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Z

*Separate catalog available on request.

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Wheel Adapters for Abrasive (Gardner), DeVlieg, and ELB Grinders.

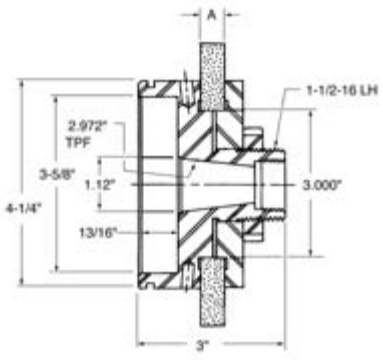
2.972" TPF, 3.000" TPF, AND 11° 20' INC ANGLE TAPER WITH 1.12", 1.00", AND .98" DIAMETER AT LARGE END OF TAPER. FOR 3.000" AND 1.250" ID WHEELS.

The 00813 ABRASIVE (GARDNER) No. 1-1/2, 10"x15" manual surface grinder adapter features a 13/16" deep shrouded design to keep contaminants away from the spindle. To maximize cutting conditions and to prolong wheel life, Sopko provides PRECISION GROUND TAPERS, and CONCENTRIC AND SQUARE SURFACES. OD threads are GROUND and hubs and nuts are HEAT TREATED FOR STRENGTH.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		A
00813	ABR 1-1/2	1/2 to 2



00813

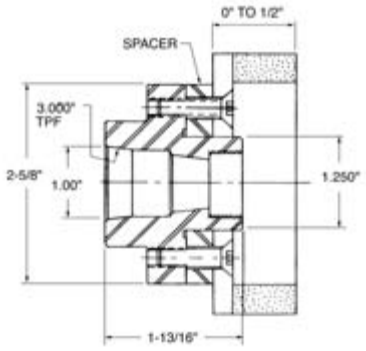


The 00191 DEVLIEG MICRO-POINT GRINDER ADAPTER is designed for plate-mounted grinding wheels with the abrasive medium bonded to a steel wheel. Four 1/4-20 tapped holes, used to lock the wheel in place, are positioned on a 2" diameter center-line. Assembled with hub and 3/8" spacer, 1/4-20 screws are not included.

SOPKO CATALOG NO.	SOPKO PART NO.
00191	DV262



00191



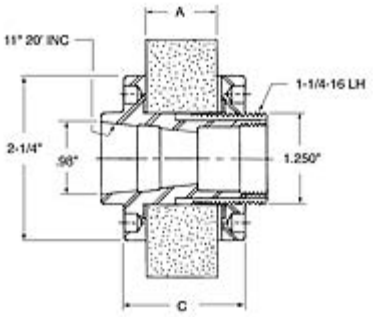
For older ELB GRINDERS and new MIGHTY FREEPORT 618 GRINDERS.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	C
00177 *	ELB200-1	3/8 to 1/2	1-3/4
00178 *	ELB300-1	3/4 to 1	2-1/4

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00179 *	ELB400-1A	1 to 2	3-3/16





00177

* For small Elb surface grinders.
Larger Elb adapters can be manufactured as specials.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Short I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All SHORT IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 1-1/4" wrench flat on the body makes installation and removal easy.

CHECK THESE FEATURES!

- ALL DIAMETERS GROUND for concentricity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- ALL COMPONENT PARTS HEAT TREATED for strength and long life.
- THREAD GROUND EXTERNAL THREADS for maximum concentricity and squareness.
- SPECIALS can be made to your requirements. Please specify wheel OD, width, and ID.



00759



00765



00769

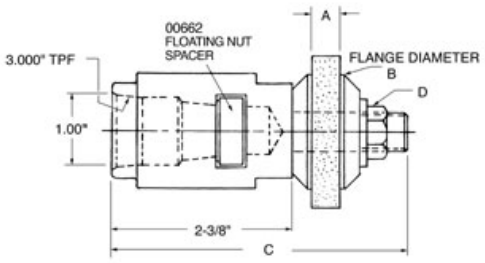


00773



00775

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00759	200-3/8LH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16LH HEX
00760	200-3/8RH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16RH HEX
00761		1/2 to 3/4	2	3-7/8	3/8-16LH HEX
00762		1/2 to 3/4	2	3-7/8	3/8-16RH HEX
00763	200-1/2LH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13LH HEX
00764	200-1/2RH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13RH HEX
00765		3/8 to 5/8	2	3-7/8	1/2-13LH HEX
00766		3/8 to 5/8	2	3-7/8	1/2-13RH HEX
00769		1/2	2	3-7/8	5/8-18LH HEX
00770		1/2	2	3-7/8	5/8-18RH HEX
00773		1/2	2	4	3/4-16LH HEX
00774		1/2	2	4	3/4-16RH HEX
00775	200-1LH-S	1/2	2-1/2	4	1-20LH ROUND
00776	200-1RH-S	1/2	2-1/2	4	1-20RH ROUND



Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16” wrench flat on the step makes installation and removal easy.

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See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

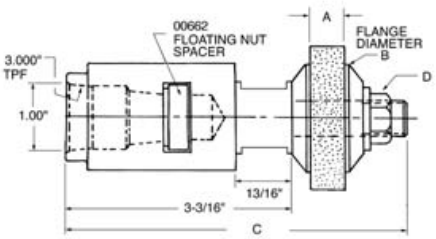


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

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All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16” wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

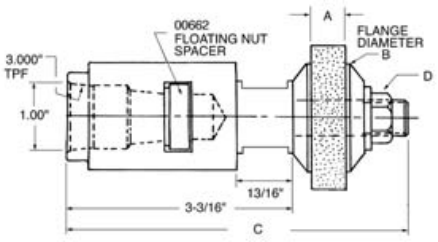


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Standard Taper Short I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All SHORT IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 1-1/4" wrench flat on the body makes installation and removal easy.

CHECK THESE FEATURES!

- ALL DIAMETERS GROUND for concentricity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- ALL COMPONENT PARTS HEAT TREATED for strength and long life.
- THREAD GROUND EXTERNAL THREADS for maximum concentricity and squareness.
- SPECIALS can be made to your requirements. Please specify wheel OD, width, and ID.



00759



00765



00769

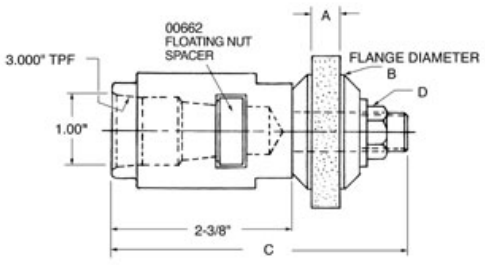


00773



00775

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00759	200-3/8LH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16LH HEX
00760	200-3/8RH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16RH HEX
00761		1/2 to 3/4	2	3-7/8	3/8-16LH HEX
00762		1/2 to 3/4	2	3-7/8	3/8-16RH HEX
00763	200-1/2LH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13LH HEX
00764	200-1/2RH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13RH HEX
00765		3/8 to 5/8	2	3-7/8	1/2-13LH HEX
00766		3/8 to 5/8	2	3-7/8	1/2-13RH HEX
00769		1/2	2	3-7/8	5/8-18LH HEX
00770		1/2	2	3-7/8	5/8-18RH HEX
00773		1/2	2	4	3/4-16LH HEX
00774		1/2	2	4	3/4-16RH HEX
00775	200-1LH-S	1/2	2-1/2	4	1-20LH ROUND
00776	200-1RH-S	1/2	2-1/2	4	1-20RH ROUND



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16" wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

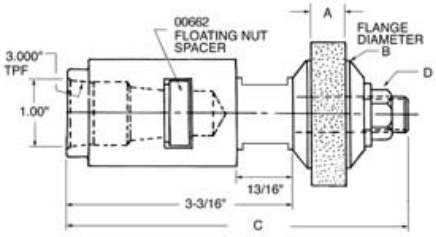


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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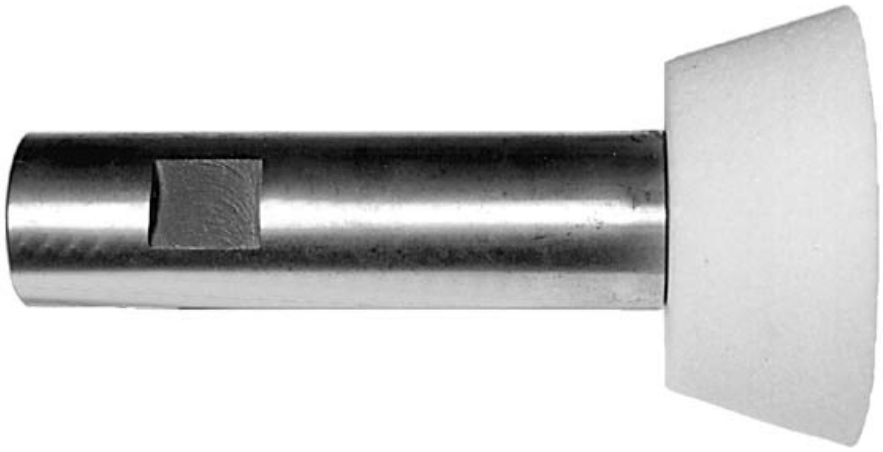
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

Cincinnati Taper Old Style I.D. Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND THE SET-UP TIME OF A HIGH SPEED ATTACHMENT.

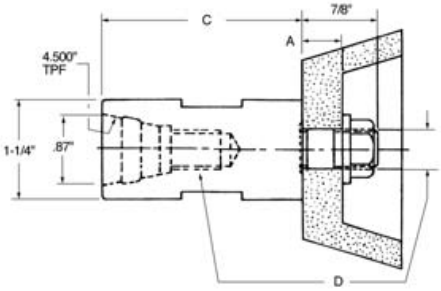
CHECK THESE FEATURES!

- GROUND diameters for CONCENTRICITY.
- HEAT TREATED for STRENGTH and SAFETY.
- PRECISION GROUND taper for RELIABLE spindle mating.
- IN STOCK for immediate shipment.



13426*

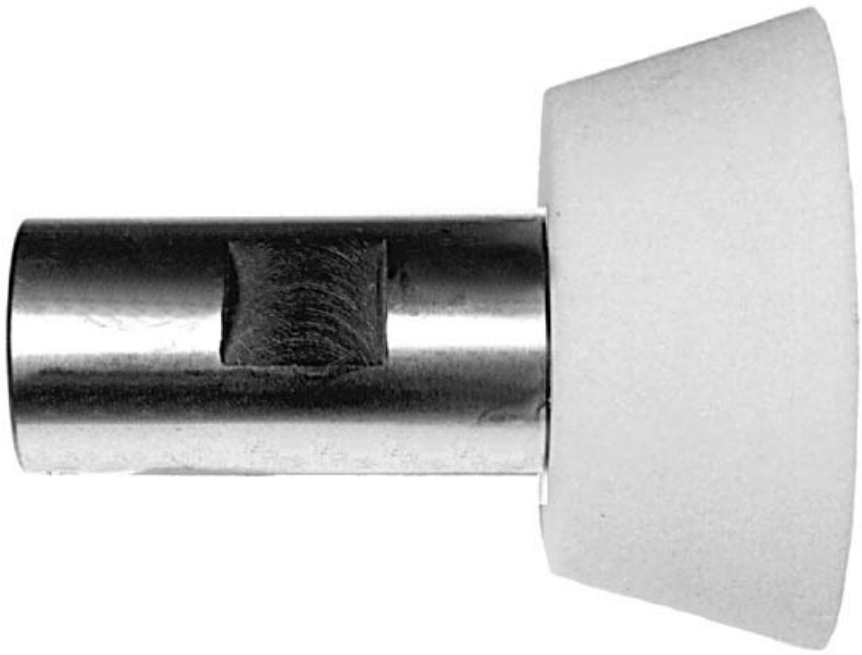
Designed for added reach, the IDWE comes complete with a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13458	134518-LH	3/8 to 1/2	4-1/2	1/2-13LH
13426	134269-RH	3/8 to 1/2	4-1/2	1/2-13RH

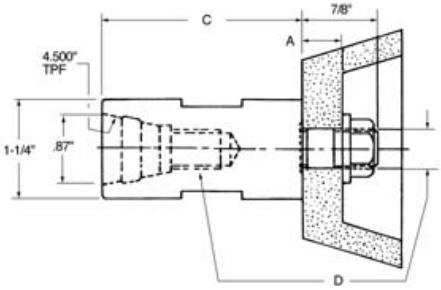
Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.

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78515*

Identical to the long series above but 2" shorter OAL. Has a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13456	134516-LH	3/8 to 1/2	2-1/2	1/2-13LH
78515	78515-RH	3/8 to 1/2	2-1/2	1/2-13RH

Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper New Style I.D. Wheel Extensions.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR .500" ID WHEELS.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

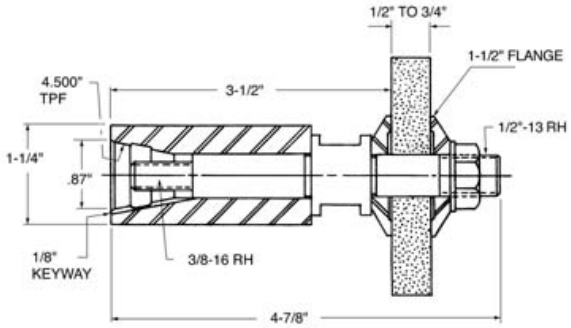
Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. The 3/8-16RH thread on the arbor 04271 acts as a draw thread to pull the extension onto the taper and a 3/4" wrench flat makes installation and removal easy. The extension comes complete with two 1-1/2" mating side flanges 00053 (F4), a 1/2-13RH hex spindle nut 05002, and an extension body 04272.



55000

SOPKO CATALOG NO.	SOPKO PART NO.

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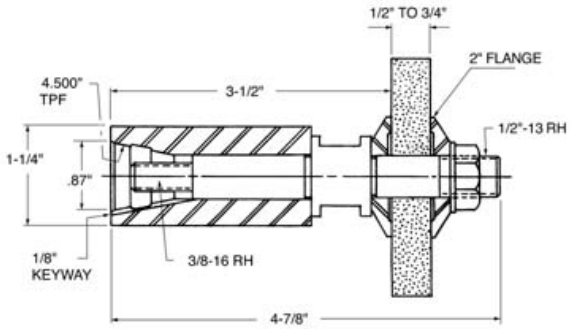


55000	NS550

Standard taper (3.000 TPF) ID wheel extension adapters on page 16 and 17.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper and furnished with two 2" mating side flanges 00054 (F1), a 1/2-13RH hex spindle nut 05002, and an extension body 04272. The 3/8-16RH thread on the arbor 04271 acts as a draw thread to pull the extension onto the taper, and a 3/4" wrench flat makes installation and removal easy.





00483

SOPKO CATALOG NO.
00483

Standard taper (3.000 TPF) ID wheel extension adapters on page 16 and 17.

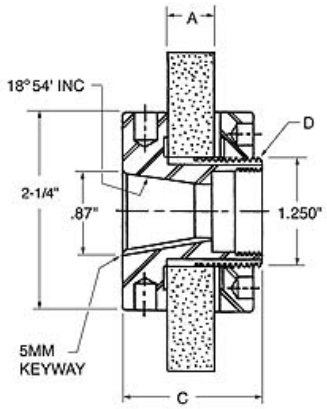
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Older Makino (Kao Ming) Grinders.

18° 54' INC ANGLE TAPER WITH .87" DIAMETER AT LARGE END OF TAPER.*
FOR .500" AND 1.250" ID WHEELS.





05254

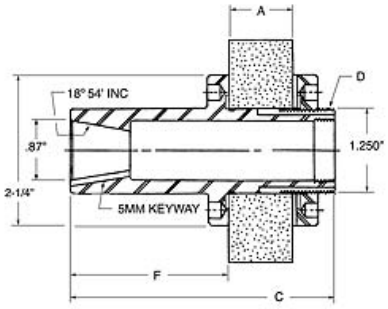
SOPKO	DIMENSIONS

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CATALOG NO.	A	C	D
05254	1/2 to 3/4	1-13/16	1-1/4-16RH
05267	1/2	1-5/16	1-1/4-16RH
05273	3/4 to 1	2	1-1/4-16LH
05265	3/4 to 1	2	1-1/4-16RH



50046

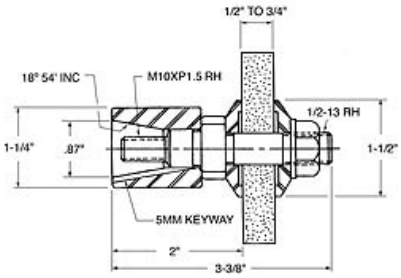


SOPKO CATALOG NO.	DIMENSIONS			
	A	C	D	F
50046	3/4 to 1	3	1-1/4-16RH	1-7/16
50047	3/4 to 1	3-7/8	1-1/4-16RH	2-5/16

This older Makino ID wheel extension adapter is furnished complete with two 1-1/2" diameter flanges 00053 (F-4), a 1/2-13RH hex spindle nut 05002 (500-2), arbor 00638, and body 01837. A 3/4" wrench flat on the arbor makes installation and removal easy.



05266



SOPKO CATALOG NO.
05266

* New Makino grinders use 4.500" TPF with .87" diameter at large end. See page 31 through 41.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Short I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All SHORT IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 1-1/4" wrench flat on the body makes installation and removal easy.

CHECK THESE FEATURES!

- ALL DIAMETERS GROUND for concentricity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- ALL COMPONENT PARTS HEAT TREATED for strength and long life.
- THREAD GROUND EXTERNAL THREADS for maximum concentricity and squareness.
- SPECIALS can be made to your requirements. Please specify wheel OD, width, and ID.



00759



00765



00769

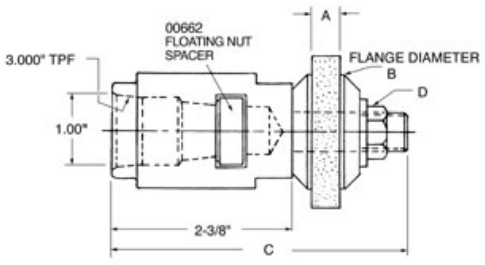


00773



00775

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00759	200-3/8LH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16LH HEX
00760	200-3/8RH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16RH HEX
00761		1/2 to 3/4	2	3-7/8	3/8-16LH HEX
00762		1/2 to 3/4	2	3-7/8	3/8-16RH HEX
00763	200-1/2LH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13LH HEX
00764	200-1/2RH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13RH HEX
00765		3/8 to 5/8	2	3-7/8	1/2-13LH HEX
00766		3/8 to 5/8	2	3-7/8	1/2-13RH HEX
00769		1/2	2	3-7/8	5/8-18LH HEX
00770		1/2	2	3-7/8	5/8-18RH HEX
00773		1/2	2	4	3/4-16LH HEX
00774		1/2	2	4	3/4-16RH HEX
00775	200-1LH-S	1/2	2-1/2	4	1-20LH ROUND
00776	200-1RH-S	1/2	2-1/2	4	1-20RH ROUND



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16” wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

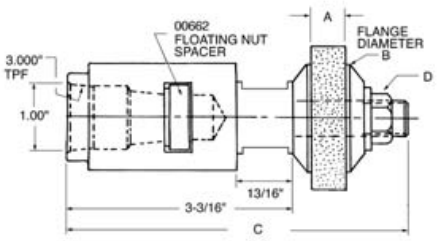


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Wheel Adapters for Wickman OPG and Sheffield Micro-Form Grinders.

3.500" TPF WITH .56" DIAMETER AT LARGE END OF TAPER.
FOR .750" AND 1.250" ID WHEELS.

Designed for the Wickman OPG Grinder and the Sheffield 121, 122, and 122A Micro-Form Grinder, these adapters feature a one piece hub design to distribute mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock. For optimum micro finishes, all surfaces have been ground concentric and square. A precision taper makes spindle mounting reliable, and the heat treated hub and nut assures long-life and safe operation. Spindle uses a 5/16-24LH spindle nut 05335 (not furnished).



00676 **00677** **00678**

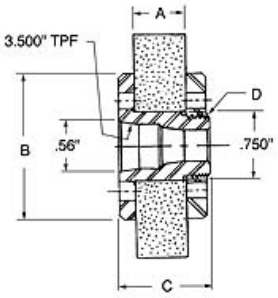


FIG. 1

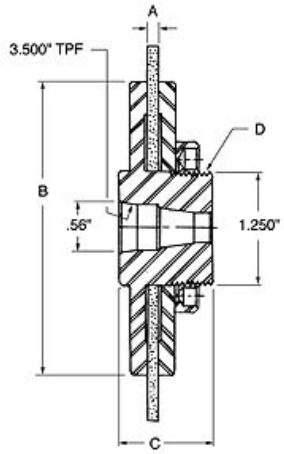


FIG. 2

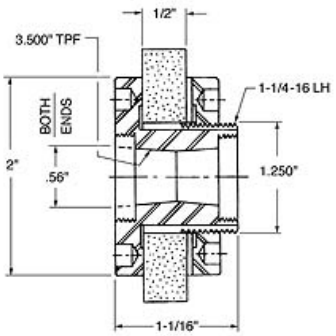
SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	B	C	D
00676*†	1	A-12930-3/4	1/2	1-7/8	1	11/16-24LH
00677*	2	A-12930-2	1/2	2	1-1/32	1-1/4-16LH
00678*	2	A-12930-3-1/4	1/16 to 1/4	3-1/4	1	1-1/4-16LH

See page 74 for accessory flanges.
*Older style Wickman grinders.
†With 11/16-24LH adapter nut 04284.

This precision ground double-taper reversible adapter is designed for the Wickman OPG Grinder and the Sheffield 121, 122, and 122A Micro-Form Grinder. The adapter is furnished with a 5/16-24LH special tapered hex spindle nut 05105.



50074



SOPKO CATALOG NO.
50074

ROTATION:

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Wheel Adapters for Wickman OPG and Sheffield Micro-Form Grinders.

3.500" TPF WITH .56" DIAMETER AT LARGE END OF TAPER.
FOR .750" AND 1.250" ID WHEELS.

Designed for the Wickman OPG Grinder and the Sheffield 121, 122, and 122A Micro-Form Grinder, these adapters feature a one piece hub design to distribute mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock. For optimum micro finishes, all surfaces have been ground concentric and square. A precision taper makes spindle mounting reliable, and the heat treated hub and nut assures long-life and safe operation. Spindle uses a 5/16-24LH spindle nut 05335 (not furnished).



00676 **00677** **00678**

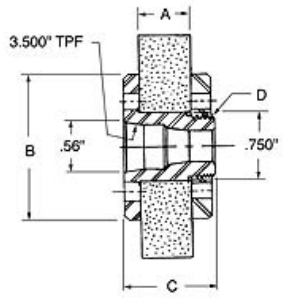


FIG. 1

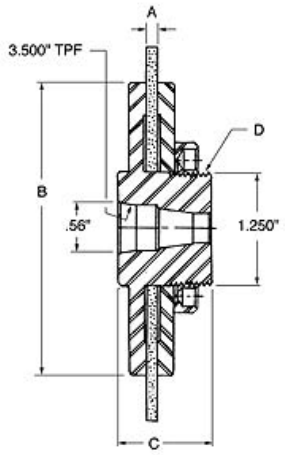


FIG. 2

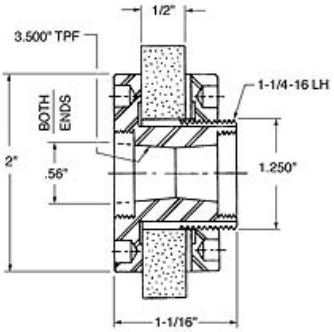
SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	B	C	D
00676*†	1	A-12930-3/4	1/2	1-7/8	1	11/16-24LH
00677*	2	A-12930-2	1/2	2	1-1/32	1-1/4-16LH
00678*	2	A-12930-3-1/4	1/16 to 1/4	3-1/4	1	1-1/4-16LH

See page 74 for accessory flanges.
*Older style Wickman grinders.
†With 11/16-24LH adapter nut 04284.

This precision ground double-taper reversible adapter is designed for the Wickman OPG Grinder and the Sheffield 121, 122, and 122A Micro-Form Grinder. The adapter is furnished with a 5/16-24LH special tapered hex spindle nut 05105.



50074



SOPKO CATALOG NO.
50074

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Call Rapp Industrial for your discounted pricing 724-789-7853 - 888-789-7277. Email us - sales@rappindustrialsales.com

Wheel Adapters for Heald Sleeve Style Internal Grinding Spindles.

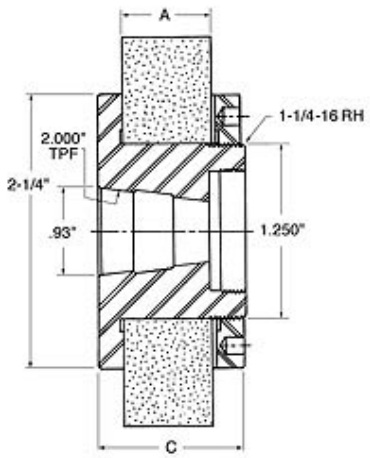
2.000" TPF AND 3.000" TPF WITH .60", .93", 1.25", 1.63", 2.00", AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 0.875", 1.250", 1.500", 2.500", 2.750", AND 3.000" ID WHEELS.



00653



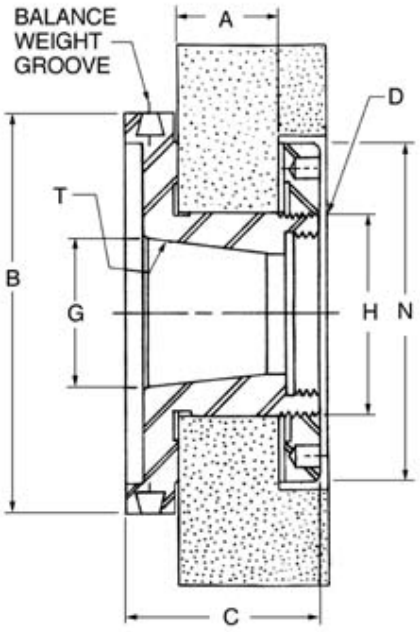
00654



SOPKO CATALOG NO.	HEALD PART NO.	DIMENSIONS		WHEEL HEAD SERIES
		A	C	
00653	H405-500	1/2	1-11/16	405
00654	H405-1000	1	2-3/16	405



50065



SOPKO CATALOG NO.	HEALD PART NO.	DIMENSIONS							WHEEL HEAD T	WHEEL HEAD SERIES
		A	B	C	D	G	H	N		
00655	7-4946A	1-1/4	2	2-1/8	7/8-16RH	.60	0.875	1-5/8	2.000 TPF	403
00657	7-7757A	1	2-1/2	1-11/16	1-1/2-16RH	.93	1.500	2-1/2	2.000 TPF	405
00656	7-4927A	1	2-5/8	1-15/16	1-1/2-16RH	.93	1.500	2-5/8	2.000 TPF	405
00658	7-4908A	1-1/4	3-3/8	2-1/4	2-16RH	1.25	2.500	3-3/8	3.000 TPF	407
00659	7-4935A	1-1/4	3-7/8	2	2-1/8-16RH	1.63	2.500	3-7/8	3.000 TPF	409
00660	7-5025A	1	5-1/8	1-7/8	2-3/4-16RH	2.00	2.750	5-1/8	3.000 TPF	411
50065 *	7-5022A	1-1/2	6	2-3/4	3-16RH	2.25	3.000	4-7/8	3.000 TPF	413

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00841	Three piece steel weight set for 00655.	00845	Three piece steel weight set for 00659.
00842	Three piece steel weight set for 00656.	00846	Three piece steel weight set for 00660.
00843	Three piece steel weight set for 00657.	00847	Three piece steel weight set for 50065.
00844	Three piece steel weight set for 00658.		



00847

All balancing style adapters include the three piece steel balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 82 for adapter puller.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters.

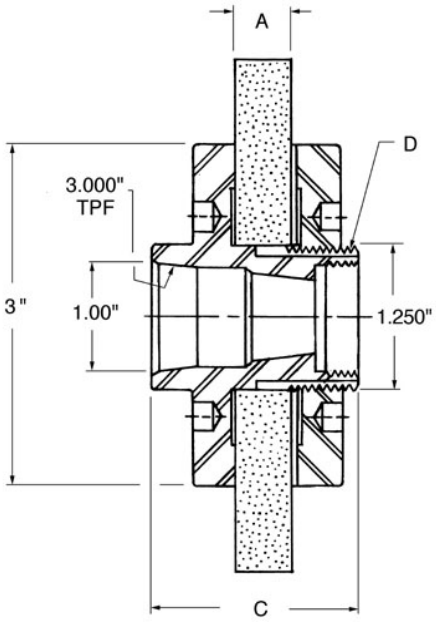
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250", 1.500", AND 2.000" ID WHEELS.



00130



00430

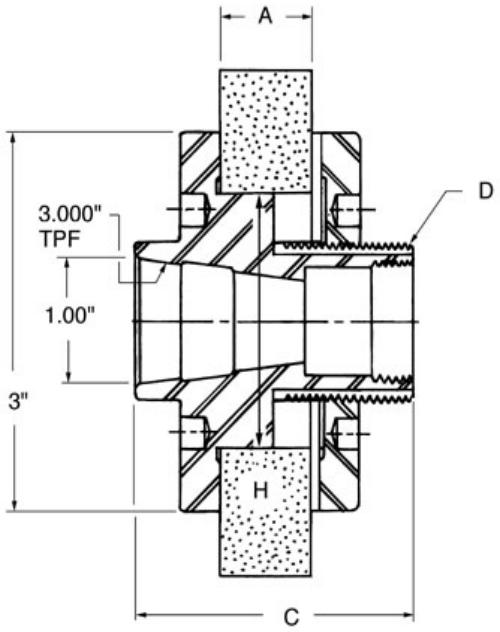


SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D
00130	130-1	3/4	1-15/16	1-1/4-16LH
00132	130-2	3/4	1-15/16	1-1/4-16RH
00230	230-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00232	230-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00330	330-1	3/4 to 1	2-1/4	1-1/4-16LH
00332	330-2	3/4 to 1	2-1/4	1-1/4-16RH
00331	330-1S	3/8 to 1	2-1/4	1-1/4-16LH
00386	330-2S	3/8 to 1	2-1/4	1-1/4-16RH
00430	430-1A	2	3-1/4	1-1/4-16LH
00432	430-2A	2	3-1/4	1-1/4-16RH
00431	430-1B	1 to 2	3-1/4	1-1/4-16LH
00433	430-2B	1 to 2	3-1/4	1-1/4-16RH
00434	430-1D	2-1/4 to 2-1/2	3-3/4	1-1/4-16LH
00435	430-1E	1-1/2 to 2	3-1/4	1-1/4-16LH

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00334



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	H
00333	330-1-1.500	1/2 to 1	2-1/4	1-1/4-16LH	1.500
00334	330-1-2.000	1/2 to 1	2-1/4	1-1/4-16LH	2.000

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Heald Sleeve Style Internal Grinding Spindles.

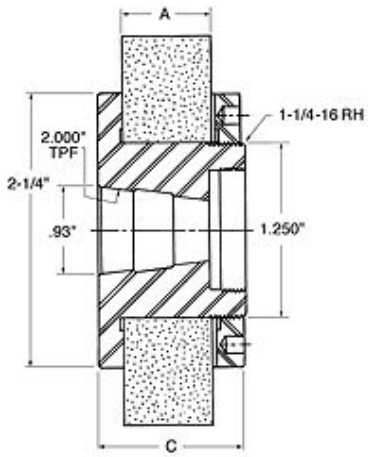
2.000" TPF AND 3.000" TPF WITH .60", .93", 1.25", 1.63", 2.00", AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 0.875", 1.250", 1.500", 2.500", 2.750", AND 3.000" ID WHEELS.



00653



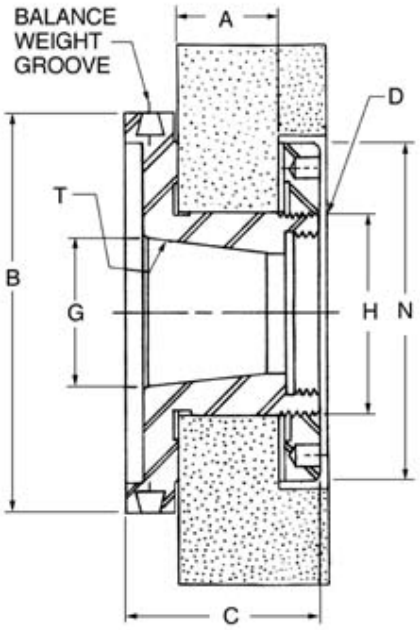
00654



SOPKO CATALOG NO.	HEALD PART NO.	DIMENSIONS		WHEEL HEAD SERIES
		A	C	
00653	H405-500	1/2	1-11/16	405
00654	H405-1000	1	2-3/16	405

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50065

SOPKO CATALOG NO.	HEALD PART NO.	DIMENSIONS							WHEEL HEAD T	WHEEL HEAD SERIES
		A	B	C	D	G	H	N		
00655	7-4946A	1-1/4	2	2-1/8	7/8-16RH	.60	0.875	1-5/8	2.000 TPF	403
00657	7-7757A	1	2-1/2	1-11/16	1-1/2-16RH	.93	1.500	2-1/2	2.000 TPF	405
00656	7-4927A	1	2-5/8	1-15/16	1-1/2-16RH	.93	1.500	2-5/8	2.000 TPF	405
00658	7-4908A	1-1/4	3-3/8	2-1/4	2-16RH	1.25	2.500	3-3/8	3.000 TPF	407
00659	7-4935A	1-1/4	3-7/8	2	2-1/8-16RH	1.63	2.500	3-7/8	3.000 TPF	409
00660	7-5025A	1	5-1/8	1-7/8	2-3/4-16RH	2.00	2.750	5-1/8	3.000 TPF	411
50065 *	7-5022A	1-1/2	6	2-3/4	3-16RH	2.25	3.000	4-7/8	3.000 TPF	413

00841	Three piece steel weight set for 00655.	00845	Three piece steel weight set for 00659.
00842	Three piece steel weight set for 00656.	00846	Three piece steel weight set for 00660.
00843	Three piece steel weight set for 00657.	00847	Three piece steel weight set for 50065.
00844	Three piece steel weight set for 00658.		

All balancing style adapters include the three piece steel balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 82 for adapter puller.



00847

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters For Metric Bore Wheels.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 32MM (1.217") ID WHEELS.



00174



00176

For 32MM Metric Bore Wheels



00170



00172

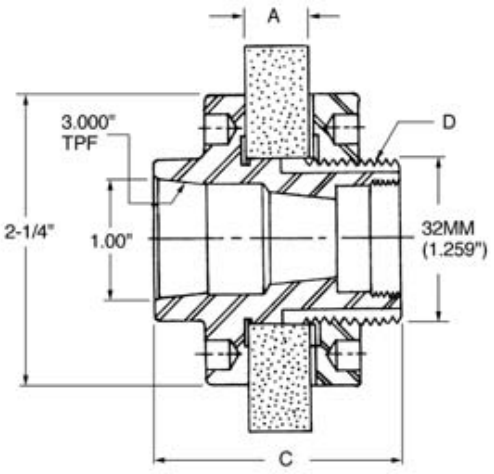


FIG. 1
For 32MM Metric Bore Wheels

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00170	1	1-100-1	1/2 to 3/4	1-7/8	1-1/4-16LH
00171	1	1-100-2	1/2 to 3/4	1-7/8	1-1/4-16RH
00172	1	2-200-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00173	1	2-200-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00174	1	3-300-1	3/4 to 1	2-1/4	1-1/4-16LH
00175	1	3-300-2	3/4 to 1	2-1/4	1-1/4-16RH
00176	2	2-230-1	1/4 to 1/2	1-3/4	1-1/4-16LH

*Other metric sizes quoted on request.

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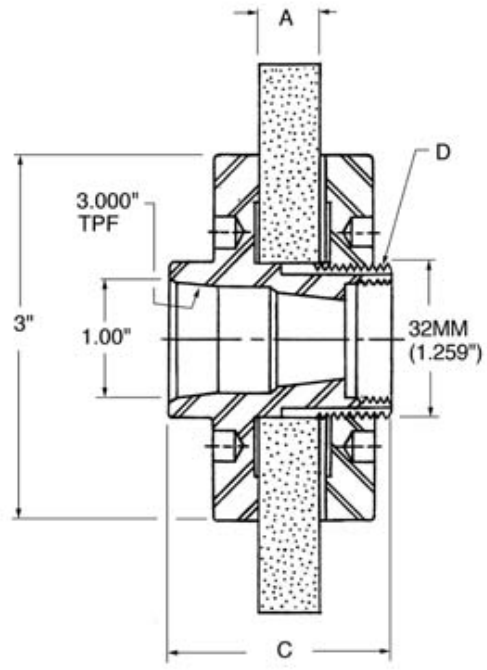


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Wheel Adapters for CNC Tool & Cutter Grinders
Mfg. by Strausak Corporation, Lohn, Switzerland.

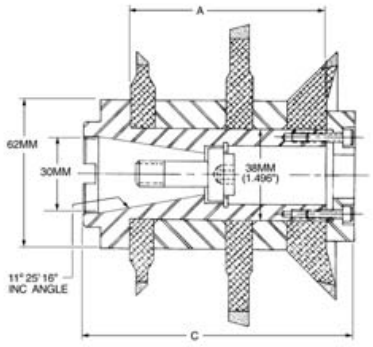
11° 25' 16" INC ANGLE TAPER WITH 30MM (1.18”) DIAMETER AT LARGE END OF TAPER.
FOR 38MM (1.496”) AND 1.250" ID WHEELS.

You need adapters that can handle the demanding applications that the Strausak Ecoflex CNC Tool & Cutter Grinder was designed to provide. Engineered specifically for the double ended spindle geometry of the Ecoflex system, Sopko adapters feature a bolt-on flange design that secures the wheel-pack regardless of spindle rotation. A pin-slot at the large end of the taper provides positive hub engagement for bi-directional rotation. Sopko adapters maximize the Strausak Ecoflex performance with precision ground tapers, carburized and hardened component parts for toughness, and ground, square and concentric flange faces that provide identical radial load-bearing surfaces to lock the multi-wheel-pack securely. Adapters are furnished with a M10xP1.5 draw-bolt 00037, bolt-on flange 00607, retaining ring 00486, and six M4xP.70 SHCS 01003 to clamp the flange and wheel-hub together.





(Front Side) **00383** **(Taper Side)**



SOPKO CATALOG NO.	STRAUSAK PART NO.	DIMENSIONS	
		A	C
00383	91-12-902	60MM (2.36”)	79MM (3.11”)
00382	91-12-901	80MM (3.15”)	100MM (3.94”)

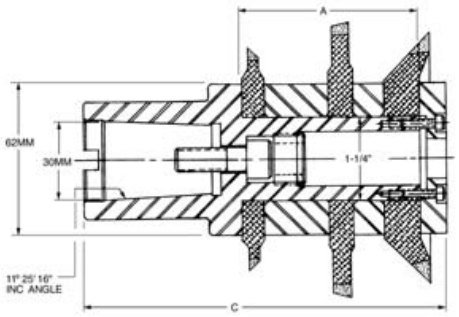
Incorporating all of the quality design features and benefits of the Strausak Ecoflex CNC Tool & Cutter adapters above, these adapters are made for 1-1/4" ID wheels. Now Strausak Ecoflex users have access to the wide variety of “standard bore”, 1-1/4" ID, wheels that are available.
Adapters are furnished with a M10XP1.5RH draw-bolt 02723, bolt-on flange 00588, 3/4-16 RH hollow set screw 02630, and six M4XP.70RH SHCS 01003 to clamp the flange and wheel-hub together.





00026
(Front Side)

00645
(Taper Side)



SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00026	60MM (2.36”)	120MM (4.72”)
00645	80MM (3.15”)	141MM (5.55”)

ROTATION:

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Standard Taper Wheel Adapters.

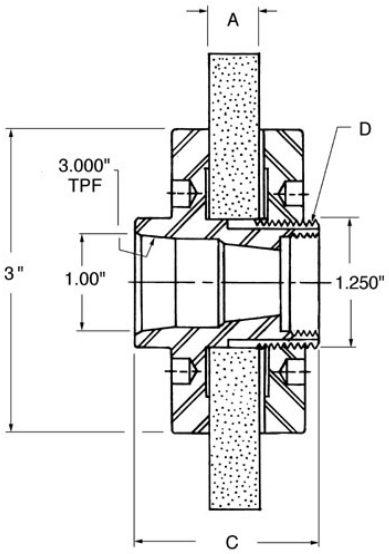
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250", 1.500", AND 2.000" ID WHEELS.



00130



00430



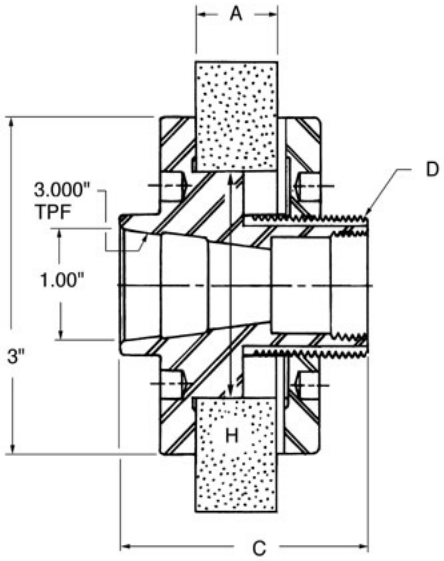
SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D
00130	130-1	3/4	1-15/16	1-1/4-16LH
00132	130-2	3/4	1-15/16	1-1/4-16RH
00230	230-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00232	230-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00330	330-1	3/4 to 1	2-1/4	1-1/4-16LH
00332	330-2	3/4 to 1	2-1/4	1-1/4-16RH
00331	330-1S	3/8 to 1	2-1/4	1-1/4-16LH
00386	330-2S	3/8 to 1	2-1/4	1-1/4-16RH
00430	430-1A	2	3-1/4	1-1/4-16LH
00432	430-2A	2	3-1/4	1-1/4-16RH
00431	430-1B	1 to 2	3-1/4	1-1/4-16LH
00433	430-2B	1 to 2	3-1/4	1-1/4-16RH
00434	430-1D	2-1/4 to 2-1/2	3-3/4	1-1/4-16LH
00435	430-1E	1-1/2 to 2	3-1/4	1-1/4-16LH



00334

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	H
00333	330-1-1.500	1/2 to 1	2-1/4	1-1/4-16LH	1.500
00334	330-1-2.000	1/2 to 1	2-1/4	1-1/4-16LH	2.000

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.* FOR 2.000" AND 3.000" ID WHEELS.

Now you can extend the useful working life of 2.000" and 3.000" ID grinding wheels. There is no need to waste money by throwing worn wheels away. Extend wheel life, use Sopko 4-1/2" flanged diameter wheel adapters! Machined from forged alloy steel, the one-piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

All the quality features you expect from Sopko are built into these flanged wheel adapters for 2.000" ID and 3.000" ID grinding wheels.

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.

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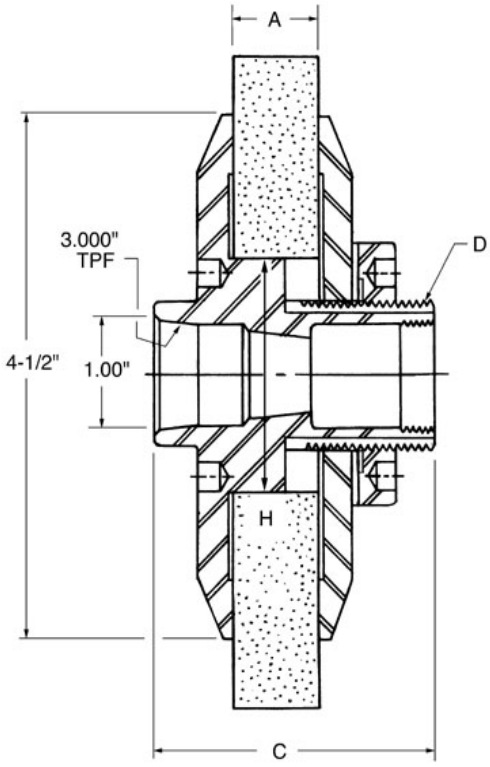
- All external threads are THREAD GROUND for concentricity and squareness.
- Not for larger surface grinders (taper is 1.00" at LE).



00453



00455



SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D	H
00453	4.5-1-2	3/8 to 3/4	2-1/8	1-1/4-16LH	2.00
00454	4.5-2-2	3/8 to 3/4	2-1/8	1-1/4-16RH	2.00
00455	4.5-1-3	3/8 to 1	2-3/8	1-1/4-16LH	3.00
00456	4.5-2-3	3/8 to 1	2-3/8	1-1/4-16RH	3.00

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

William Sopko & Sons Co., Inc.

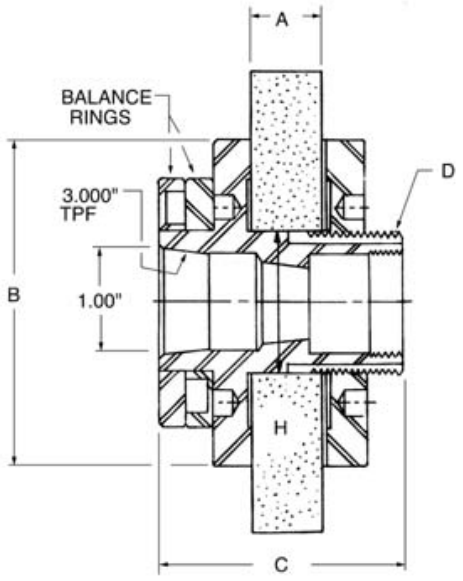
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.



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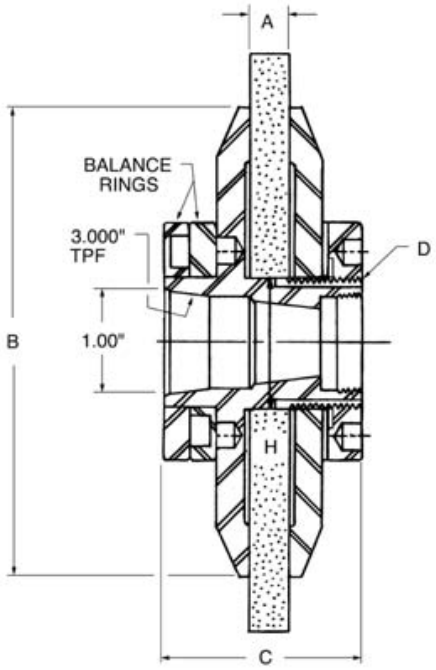
00460



00248
(Front Side)

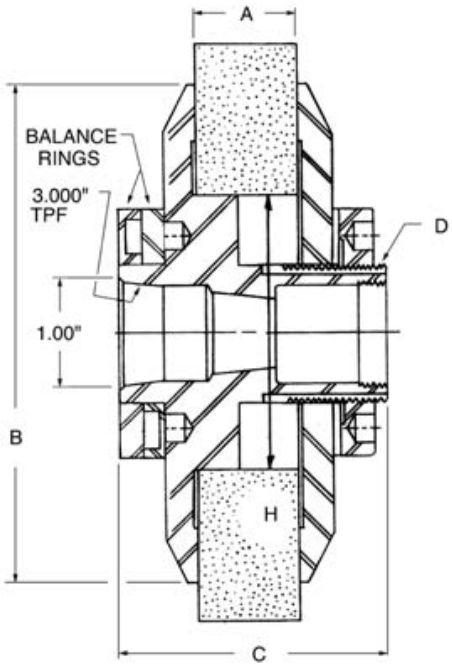


00251
(Taper Side)



SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000

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*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

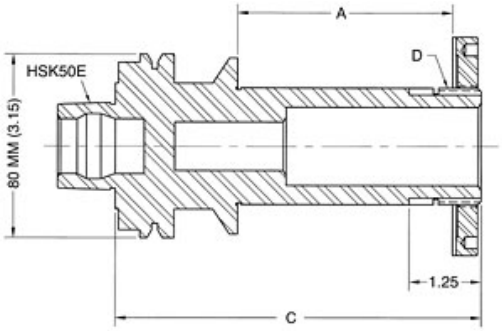
Wheel Adapters for Grinding Machines Manufactured by ANCA, Victoria, Australia.

HSK50EMOD TAPER AND 19º 05' 06" INC ANGLE TAPER WITH .85" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 2.000" ID WHEELS.

Sopko quality Anca FASTGRIND adapters are made for the operator expecting the highest standard of performance required by today's fast set-up times and short production runs. Sopko assures this standard with quality features like PRECISION GROUND TAPERS for reliable spindle mating and CONCENTRICALLY GROUND AND SQUARE surfaces to optimize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions. Every Anca adapter is furnished complete with a spindle mounting bolt, lock washer and recessed washer.



00318



SOPKO CATALOG NO.	ANCA PART NO.	A	C	D	MACHINE
50356	-	2-5/32	4-3/4	1-1/4-16RH	TGX
01137*	-	2-5/32	4-3/4	1-1/4-16RH	TGX
00318	-	3-3/8	6-11/32	2-16RH	TGX

* For cupwheel use.

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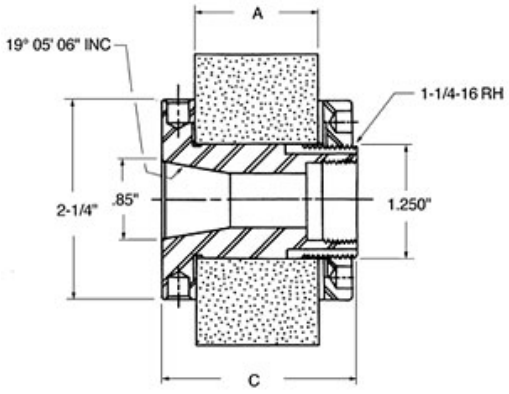


FIG.1

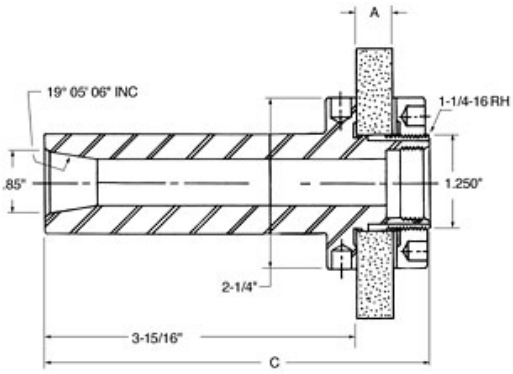


FIG.2

SOPKO CATALOG NO.	FIG.	ANCA PART NO.	DIMENSIONS		
			A	C	MACHINE
00621	1	AT901-0-00-0175	2-1/8 to 2-3/8	3-3/16	TG4
00622	1	AT901-0-00-0175-1	3-5/8	4-3/8	TG4
00623	1	AT901-0-00-0179	1-1/8 to 1-3/8	2-3/16	TG4
00624	1	AT901-0-00-0183	1/4 to 1/2	1-5/16	TG4
00620	2	AT901-0-00-0174	1/2	4-7/8	TG4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

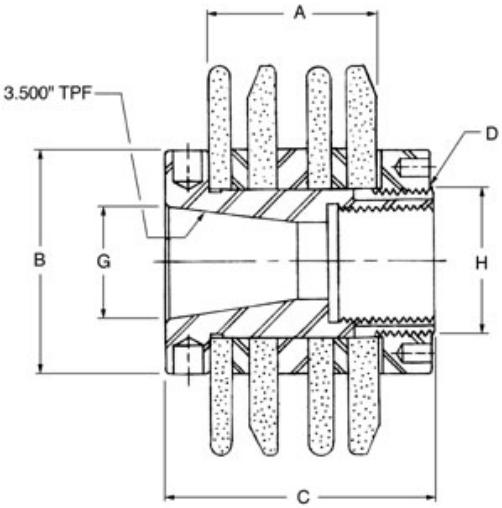
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Grinding Machines Manufactured by ANCA, Victoria, Australia.

3.500" TPF WITH 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 2.000" ID WHEELS.

Sopko quality Anca FASTGRIND adapters are made for the operator expecting the highest standard of performance required by today's fast set-up times and short production runs. Sopko assures this standard with quality features like PRECISION GROUND TAPERS for reliable spindle mating and CONCENTRICALLY GROUND AND SQUARE surfaces to optimize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these FASTGRIND adapters because Sopko HEAT TREATS every one. Every Anca adapter is furnished complete with a spindle mounting bolt, lock washer and recessed washer.

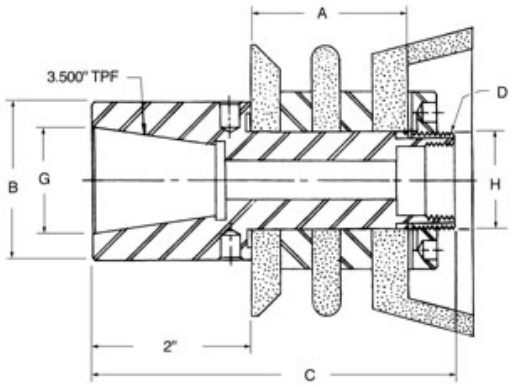



00626


50163

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SOPKO CATALOG NO.	FIG.	ANCA PART NO.	DIMENSIONS A	B	C	D	G	H	MACHINE
00625	1	AT902-0-00-5026	1-1/8 to1-1/4	3	2-3/16	2-16RH	1.38	2.000	TG7/DM7
00626	1	AT902-0-00-5027	1-7/8 to 2	3	2-31/32	2-16RH	1.38	2.000	TG7/DM7
50063	1	-	2-5/8	3	3-9/16	2-16RH	1.38	2.000	TG7/DM7
00823	1	AT937-0-00-1009	3-1/4	3	4-1/8	2-16RH	1.38	2.000	TG7/DM7
00627	1	-	3-3/8 to 3-1/2	3	4-3/8	2-16RH	1.38	2.000	TG7/DM7
00822	1	AT937-0-00-1010	4-3/8	3	5-5/16	2-16RH	1.38	2.000	TG7/DM7
50163	2	AT902-0-01-5037	2	2	4.613	1-1/4-16RH	1.38	1.250	TG7/DM7
00628	1	AT913-0-00-1024	1-1/8	1-31/32	1-31/32	1-1/4-16RH	1.02	1.250	MG7/RG7
00629	1	AT913-0-00-1025	1-7/16 to 1-1/2	1-31/32	2-3/8	1-1/4-16RH	1.02	1.250	MG7/RG7
50186	1	-	2-1/8	1-31/32	3-1/32	1-1/4-16RH	1.02	1.250	MG7/RG7
50187	1	-	2-5/8	1-31/32	3-1/2	1-1/4-16RH	1.02	1.250	MG7/RG7
50188	1	-	3-1/8	1-31/32	4	1-1/4-16RH	1.02	1.250	MG7/RG7
50350*	1	-	2-1/2	3	3-7/16	2-16RH	1.02	2.000	MG7/RG7
00496**	1	AT913-2-00-1010	1-1/2 to 1-3/4	1-31/32	2-5/8	1-1/4-16RH	1.02	1.250	RGX
00521***	1	AT913-2-00-1020	2 to 2-1/2	1-31/32	3-19/64	1-1/4-16RH	1.02	1.250	RGX
00398***	1	AT913-2-00-1030	2-5/8 to 3	1-31/32	3-13/16	1-1/4-16RH	1.02	1.250	RGX
00879***	1	AT913-2-00-1040	3 to 3-3/8	1-31/32	4-7/32	1-1/4-16RH	1.02	1.250	RGX

* Allows use of 2" ID wheels on MG7/RG7 machines.

** Includes two 5MM spacers 01305, one 10MM spacer 01310, and bi-directional nut 00067.

*** Includes two 5MM spacers 01305, two 10MM spacers 01310, and bi-directional nut 00067.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Tool & Cutter Grinders
Manufactured by S.E. Huffman Co., Clover, SC.

3.000"TPF WITH 1.63" DIAMETER AT LARGE END OF TAPER.
FOR 2.000" ID WHEELS.

Sure we have a lot to offer...performance, value, and a tradition built by decades of competence in our field. Look no further if you've been searching for an adapter that can help maintain superlative finishes and high rates of production. Our S.E. Huffman adapter series features a PRECISION GROUND TAPER, and CONCENTRICALLY GROUND and SQUARE SURFACES to maximize cutting conditions and prolong wheel life. Safe, reliable grinding wheel lock is achieved using THREAD GROUND OD THREADS on the hub. Adapter hubs are HEAT TREATED, nuts are made from pre-heat treated alloy steel, and protected with a BLACK OXIDE finish.

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50169



50037

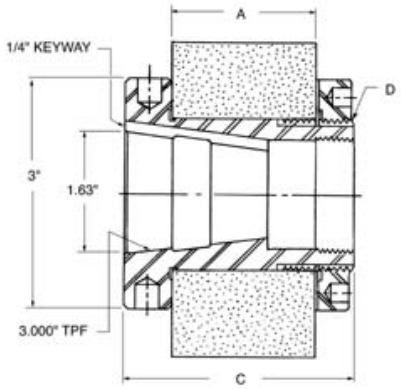


50036



50035

SOPKO CATALOG NO.	DIMENSIONS		
	A	C	D
50035 50038	1/2 to 1 1/2 to 1	2-1/4 2-1/4	2-16LH 2-16RH
50036 50039	2 to 2-1/2 2 to 2-1/2	3-5/8 3-5/8	2-16LH 2-16RH
50049 50169	3 3	4-1/8 4-1/8	2-16LH 2-16RH
50037 50040	3 to 3-1/2 3 to 3-1/2	4-5/8 4-5/8	2-16LH 2-16RH



See page 82 for S.E. Huffman adapter puller assembly.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Clausing 1020, 4020, Covel 35, Covel 35B, Ingersoll Milling Co. and Brown & Sharpe No. 5 Grinders.

1:5 TAPER RATIO, 3.500" TPF AND 3.000" TPF, WITH 1.03", 1.31" AND 1.50" DIAMETER AT LARGE END OF TAPER. FOR 1.25O", 2.000" AND 3.000" ID WHEELS.

FOR CLAUSING
1020 GRINDERS.

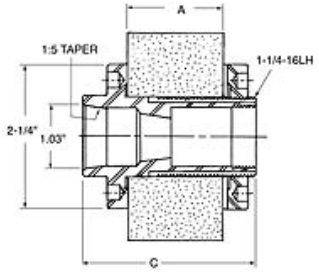
SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00473	2	3-3/16
00474*	3	4-3/16



00473



00474



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* Balancing style adapter.

FOR CLAUSING 4020, COVEL 35, AND COVEL 35B GRINDERS.

SOPKO CATALOG NO.	SOPKO PART NO.
00693	17-17H

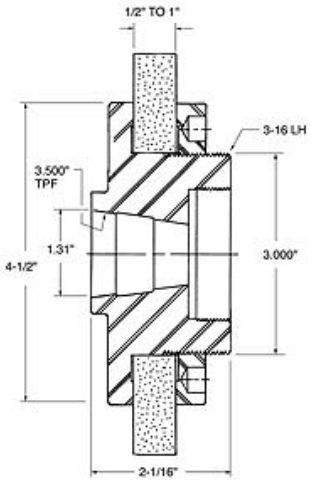


(Front Side)

00693



(Taper Side)



These shrouded adapters, for Brown & Sharpe No. 5 surface grinders and the Ingersoll Milling Machine grinders, feature a 3/4" deep shroud that surrounds the wheelhead spindle nose and provides optimum protection against contamination. Fully HEAT TREATED, you can expect years of performance and with standard features like PRECISION GROUND TAPERS, and CONCENTRICALLY GROUND AND SQUARE surfaces, you're assured of optimum cutting conditions too.

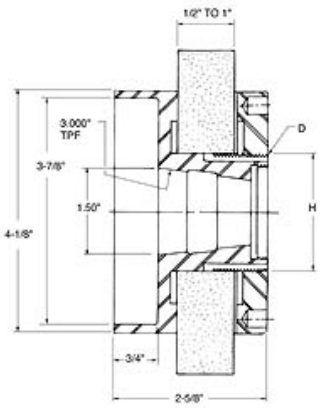


(Front Side)

00182



(Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		D	H
00182	23-1569	2-16LH	2.000
00183*	25-1569	3-16LH	3.000

* Most popular.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.25" AND 1.50" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000", AND 5.000" ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.

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01312
(Front Side)



01316
(Taper Side)

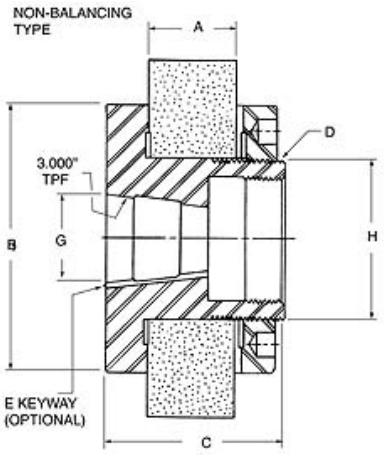


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
01312	1	5/8 to 1	3-1/2	2	2-18RH	1/4	1.25	2.000
01313	2	1/2 to 1	4-1/4	2-5/8	2-16RH	1/4	1.25	2.000
01316	2	1/2 to 1	4-1/4	2-3/4	3-16RH	1/4	1.25	3.000
01317	2	1/2 to 1	4-1/4	2-3/4	3-16LH	1/4	1.25	3.000
01318	2	3/4 to 2	5	3-3/8	3-16LH	-	1.50	3.000
01319	2	3/4 to 2	5	3-3/8	3-16RH	-	1.50	3.000
01320	2	1	6	3-3/8	4-16LH	-	1.50	4.000
01321	2	1	6	3-3/8	4-16RH	-	1.50	4.000
01322	2	3/4 to 2	7	3-3/8	5-16LH	-	1.50	5.000
01323	2	3/4 to 2	7	3-3/8	5-16RH	-	1.50	5.000

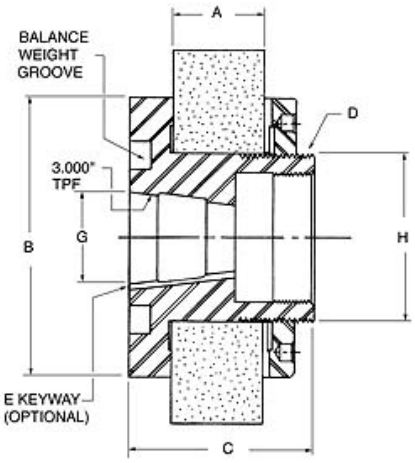


FIG. 2

00838	Three piece bronze balancing weight set for 01318, 01319, 01320, 01321, 01322, 01323
00830	Three piece bronze balancing weight set for 01312, 01316, 01317.
00832	Three piece bronze balancing weight set for 01313.



00830

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 2.000”, 3.000", 4.000", AND 5.000" ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.

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01337

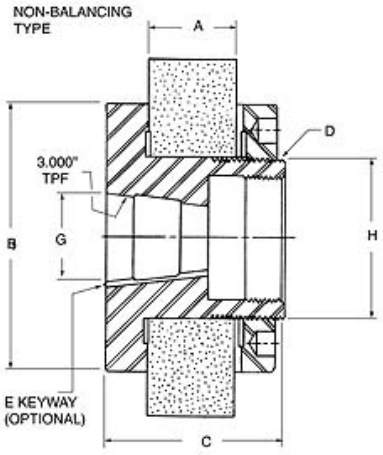


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
50328	2	1 to 1-1/2	5	3-1/4	3-16LH	1/4	1.62	3.000
01330	2	1-1/4 to 2	5	3-9/16	3-16LH	1/4	1.62	3.000
01324	2	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01325	1	1-1/4 to 2	5	3-9/16	2-16LH	1/4	1.62	2.000
01326	1	1-1/4 to 2	5	3-3/8	3-16RH	1/4	1.62	3.000
01327	2	3/4 to 2	5	3-3/8	3-16LH	-	1.62	3.000
01328	2	3/4 to 2	5	3-3/8	3-16RH	-	1.62	3.000
01329	1	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01332 *	2	1-1/4 to 2	7	3-9/16	3-16LH	1/4	1.62	3.000
01331 *	2	1-1/4 to 2	7	3-9/16	3-16RH	1/4	1.62	3.000
01333	2	3/4 to 2	6	3-3/8	4-16LH	-	1.62	4.000
01334	2	3/4 to 2	6	3-3/8	4-16RH	-	1.62	4.000
01335	2	3/4 to 2	7	3-3/8	5-16LH	-	1.62	5.000
01336	2	3/4 to 2	7	3-3/8	5-16RH	-	1.62	5.000
01337	2	1 to 2-1/2	5	4-1/4	3-16RH	1/4	2.25	3.000
01338	2	1 to 2-1/2	5	4-1/4	3-16LH	1/4	2.25	3.000
01339 *	2	1 to 2-1/2	7	4-1/4	3-16RH	1/4	2.25	3.000
01340 *	2	1 to 2-1/2	7	4-1/4	3-16LH	1/4	2.25	3.000

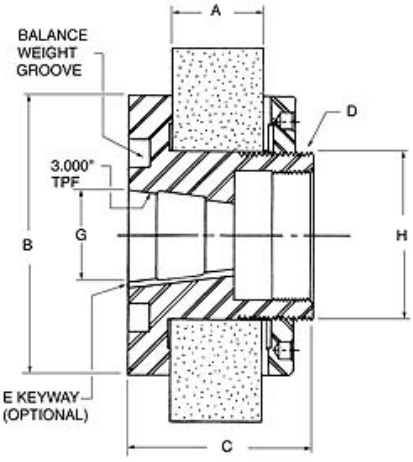


FIG. 2

00831	Three piece bronze balancing weight set for 01324, 01330, 01331, 01332, 01337, 01338, 01339, 01340.
00834	Three piece bronze balancing weight set for 01326.



00831

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* 5" diameter nut.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters.

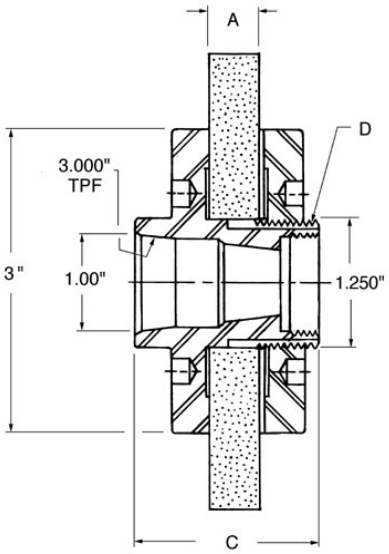
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250", 1.500", AND 2.000" ID WHEELS.



00130



00430



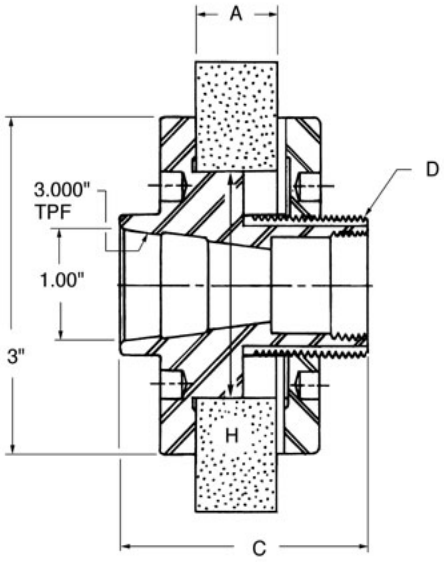
SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D
00130	130-1	3/4	1-15/16	1-1/4-16LH
00132	130-2	3/4	1-15/16	1-1/4-16RH
00230	230-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00232	230-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00330	330-1	3/4 to 1	2-1/4	1-1/4-16LH
00332	330-2	3/4 to 1	2-1/4	1-1/4-16RH
00331	330-1S	3/8 to 1	2-1/4	1-1/4-16LH
00386	330-2S	3/8 to 1	2-1/4	1-1/4-16RH
00430	430-1A	2	3-1/4	1-1/4-16LH
00432	430-2A	2	3-1/4	1-1/4-16RH
00431	430-1B	1 to 2	3-1/4	1-1/4-16LH
00433	430-2B	1 to 2	3-1/4	1-1/4-16RH
00434	430-1D	2-1/4 to 2-1/2	3-3/4	1-1/4-16LH
00435	430-1E	1-1/2 to 2	3-1/4	1-1/4-16LH



00334

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	H
00333	330-1-1.500	1/2 to 1	2-1/4	1-1/4-16LH	1.500
00334	330-1-2.000	1/2 to 1	2-1/4	1-1/4-16LH	2.000

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.* FOR 2.000" AND 3.000" ID WHEELS.

Now you can extend the useful working life of 2.000" and 3.000" ID grinding wheels. There is no need to waste money by throwing worn wheels away. Extend wheel life, use Sopko 4-1/2" flanged diameter wheel adapters! Machined from forged alloy steel, the one-piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

All the quality features you expect from Sopko are built into these flanged wheel adapters for 2.000" ID and 3.000" ID grinding wheels.

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

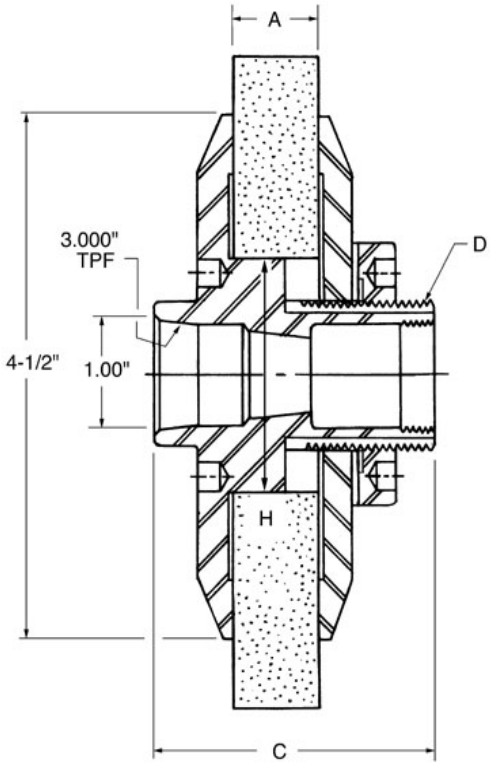
- All external threads are THREAD GROUND for concentricity and squareness.
- Not for larger surface grinders (taper is 1.00" at LE).



00453



00455



SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D	H
00453	4.5-1-2	3/8 to 3/4	2-1/8	1-1/4-16LH	2.00
00454	4.5-2-2	3/8 to 3/4	2-1/8	1-1/4-16RH	2.00
00455	4.5-1-3	3/8 to 1	2-3/8	1-1/4-16LH	3.00
00456	4.5-2-3	3/8 to 1	2-3/8	1-1/4-16RH	3.00

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

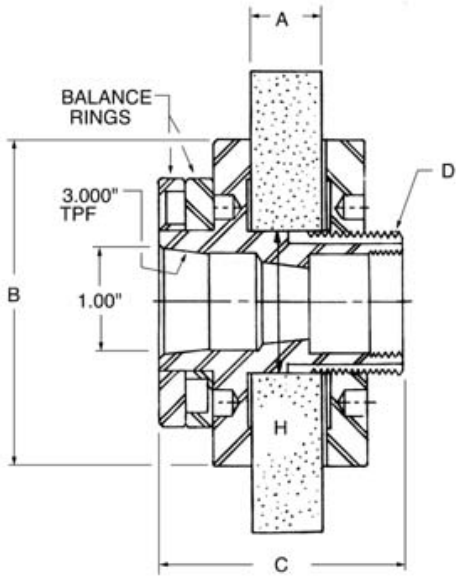
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.



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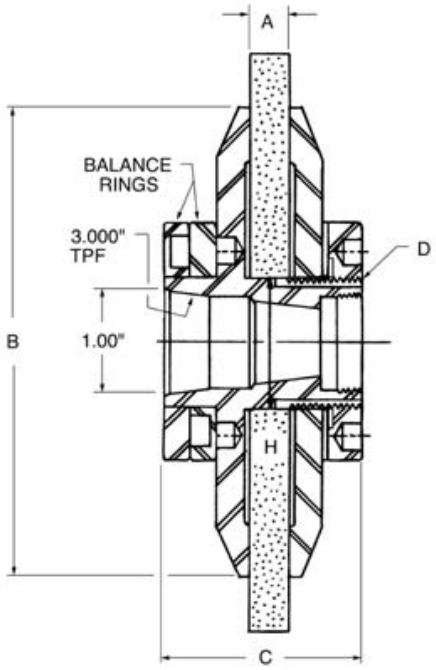
00460



00248
(Front Side)

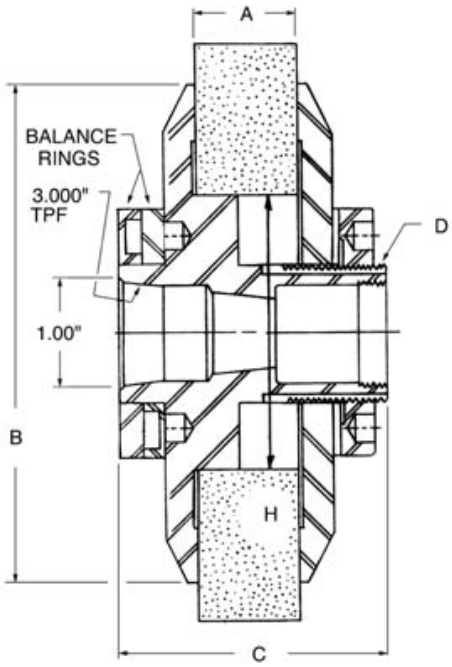


00251
(Taper Side)



SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000

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*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See p2 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

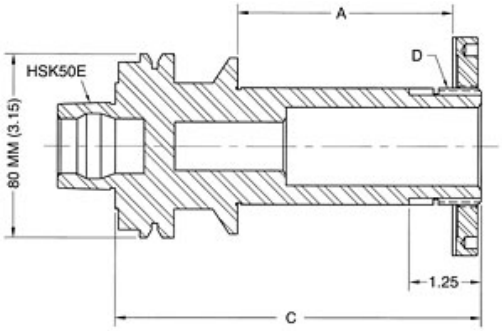
Wheel Adapters for Grinding Machines Manufactured by ANCA, Victoria, Australia.

HSK50EMOD TAPER AND 19º 05' 06" INC ANGLE TAPER WITH .85" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 2.000" ID WHEELS.

Sopko quality Anca FASTGRIND adapters are made for the operator expecting the highest standard of performance required by today's fast set-up times and short production runs. Sopko assures this standard with quality features like PRECISION GROUND TAPERS for reliable spindle mating and CONCENTRICALLY GROUND AND SQUARE surfaces to optimize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions. Every Anca adapter is furnished complete with a spindle mounting bolt, lock washer and recessed washer.



00318



SOPKO CATALOG NO.	ANCA PART NO.	A	C	D	MACHINE
50356	-	2-5/32	4-3/4	1-1/4-16RH	TGX
01137*	-	2-5/32	4-3/4	1-1/4-16RH	TGX
00318	-	3-3/8	6-11/32	2-16RH	TGX

* For cupwheel use.

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00623 00624

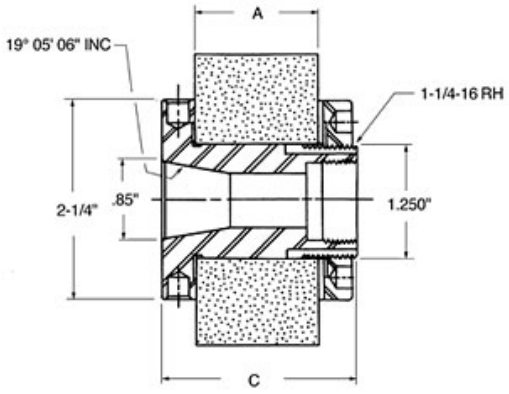


FIG.1

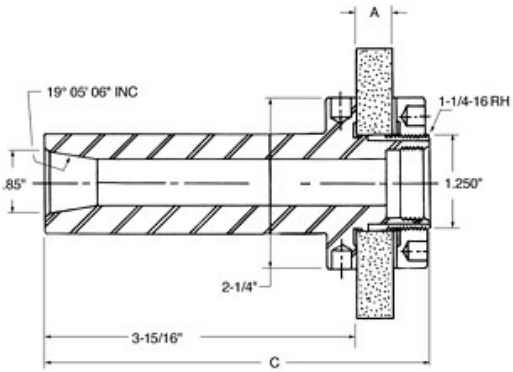


FIG.2

SOPKO CATALOG NO.	FIG.	ANCA PART NO.	DIMENSIONS		
			A	C	MACHINE
00621	1	AT901-0-00-0175	2-1/8 to 2-3/8	3-3/16	TG4
00622	1	AT901-0-00-0175-1	3-5/8	4-3/8	TG4
00623	1	AT901-0-00-0179	1-1/8 to 1-3/8	2-3/16	TG4
00624	1	AT901-0-00-0183	1/4 to 1/2	1-5/16	TG4
00620	2	AT901-0-00-0174	1/2	4-7/8	TG4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

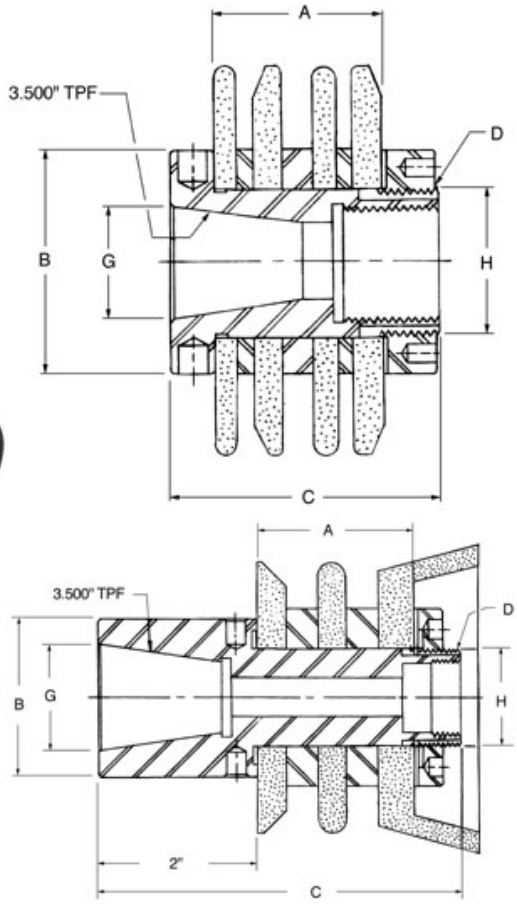
Wheel Adapters for Grinding Machines Manufactured by ANCA, Victoria, Australia.

3.500" TPF WITH 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 2.000" ID WHEELS.

Sopko quality Anca FASTGRIND adapters are made for the operator expecting the highest standard of performance required by today's fast set-up times and short production runs. Sopko assures this standard with quality features like PRECISION GROUND TAPERS for reliable spindle mating and CONCENTRICALLY GROUND AND SQUARE surfaces to optimize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these FASTGRIND adapters because Sopko HEAT TREATS every one. Every Anca adapter is furnished complete with a spindle mounting bolt, lock washer and recessed washer.

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SOPKO CATALOG NO.	FIG.	ANCA PART NO.	DIMENSIONS						
			A	B	C	D	G	H	MACHINE
00625	1	AT902-0-00-5026	1-1/8 to1-1/4	3	2-3/16	2-16RH	1.38	2.000	TG7/DM7
00626	1	AT902-0-00-5027	1-7/8 to 2	3	2-31/32	2-16RH	1.38	2.000	TG7/DM7
50063	1	-	2-5/8	3	3-9/16	2-16RH	1.38	2.000	TG7/DM7
00823	1	AT937-0-00-1009	3-1/4	3	4-1/8	2-16RH	1.38	2.000	TG7/DM7
00627	1	-	3-3/8 to 3-1/2	3	4-3/8	2-16RH	1.38	2.000	TG7/DM7
00822	1	AT937-0-00-1010	4-3/8	3	5-5/16	2-16RH	1.38	2.000	TG7/DM7
50163	2	AT902-0-01-5037	2	2	4.613	1-1/4-16RH	1.38	1.250	TG7/DM7
00628	1	AT913-0-00-1024	1-1/8	1-31/32	1-31/32	1-1/4-16RH	1.02	1.250	MG7/RG7
00629	1	AT913-0-00-1025	1-7/16 to 1-1/2	1-31/32	2-3/8	1-1/4-16RH	1.02	1.250	MG7/RG7
50186	1	-	2-1/8	1-31/32	3-1/32	1-1/4-16RH	1.02	1.250	MG7/RG7
50187	1	-	2-5/8	1-31/32	3-1/2	1-1/4-16RH	1.02	1.250	MG7/RG7
50188	1	-	3-1/8	1-31/32	4	1-1/4-16RH	1.02	1.250	MG7/RG7
50350*	1	-	2-1/2	3	3-7/16	2-16RH	1.02	2.000	MG7/RG7
00496**	1	AT913-2-00-1010	1-1/2 to 1-3/4	1-31/32	2-5/8	1-1/4-16RH	1.02	1.250	RGX
00521***	1	AT913-2-00-1020	2 to 2-1/2	1-31/32	3-19/64	1-1/4-16RH	1.02	1.250	RGX
00398***	1	AT913-2-00-1030	2-5/8 to 3	1-31/32	3-13/16	1-1/4-16RH	1.02	1.250	RGX
00879***	1	AT913-2-00-1040	3 to 3-3/8	1-31/32	4-7/32	1-1/4-16RH	1.02	1.250	RGX

* Allows use of 2" ID wheels on MG7/RG7 machines.

** Includes two 5MM spacers 01305, one 10MM spacer 01310, and bi-directional nut 00067.

*** Includes two 5MM spacers 01305, two 10MM spacers 01310, and bi-directional nut 00067.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Wheel Adapters for Tool & Cutter Grinders
Manufactured by S.E. Huffman Co., Clover, SC.

3.000"TPF WITH 1.63" DIAMETER AT LARGE END OF TAPER.
FOR 2.000" ID WHEELS.

Sure we have a lot to offer...performance, value, and a tradition built by decades of competence in our field. Look no further if you've been searching for an adapter that can help maintain superlative finishes and high rates of production. Our S.E. Huffman adapter series features a PRECISION GROUND TAPER, and CONCENTRICALLY GROUND and SQUARE SURFACES to maximize cutting conditions and prolong wheel life. Safe, reliable grinding wheel lock is achieved using THREAD GROUND OD THREADS on the hub. Adapter hubs are HEAT TREATED, nuts are made from pre-heat treated alloy steel, and protected with a BLACK OXIDE finish.



50169



50037

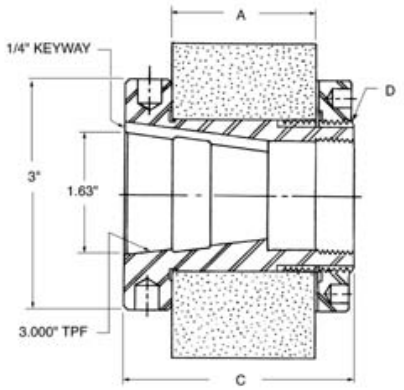


50036



50035

SOPKO CATALOG NO.	DIMENSIONS		
	A	C	D
50035 50038	1/2 to 1 1/2 to 1	2-1/4 2-1/4	2-16LH 2-16RH
50036 50039	2 to 2-1/2 2 to 2-1/2	3-5/8 3-5/8	2-16LH 2-16RH
50049 50169	3 3	4-1/8 4-1/8	2-16LH 2-16RH
50037 50040	3 to 3-1/2 3 to 3-1/2	4-5/8 4-5/8	2-16LH 2-16RH



See page 82 for S.E. Huffman adapter puller assembly.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Clausing 1020, 4020, Covel 35, Covel 35B, Ingersoll Milling Co. and Brown & Sharpe No. 5 Grinders.

1:5 TAPER RATIO, 3.500" TPF AND 3.000" TPF, WITH 1.03", 1.31" AND 1.50" DIAMETER AT LARGE END OF TAPER. FOR 1.25O", 2.000" AND 3.000" ID WHEELS.

FOR CLAUSING
1020 GRINDERS.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

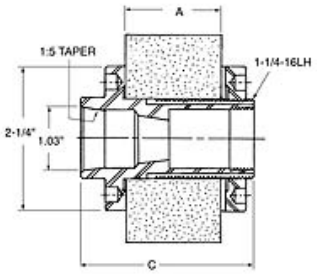
SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00473	2	3-3/16
00474*	3	4-3/16



00473



00474



* Balancing style adapter.

FOR CLAUSING 4020, COVEL 35, AND COVEL 35B GRINDERS.

SOPKO CATALOG NO.	SOPKO PART NO.
00693	17-17H

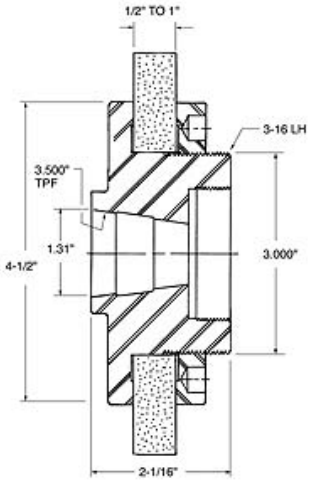


(Front Side)

00693



(Taper Side)



These shrouded adapters, for Brown & Sharpe No. 5 surface grinders and the Ingersoll Milling Machine grinders, feature a 3/4" deep shroud that surrounds the wheelhead spindle nose and provides optimum protection against contamination. Fully HEAT TREATED, you can expect years of performance and with standard features like PRECISION GROUND TAPERS, and CONCENTRICALLY GROUND AND SQUARE surfaces, you're assured of optimum cutting conditions too.

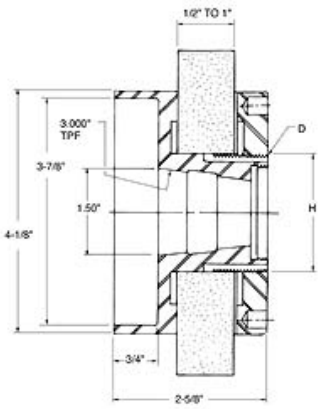


(Front Side)

00182



(Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		D	H
00182	23-1569	2-16LH	2.000
00183*	25-1569	3-16LH	3.000

* Most popular.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.25” AND 1.50" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000”, AND 5.000” ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01312
(Front Side)



01316
(Taper Side)

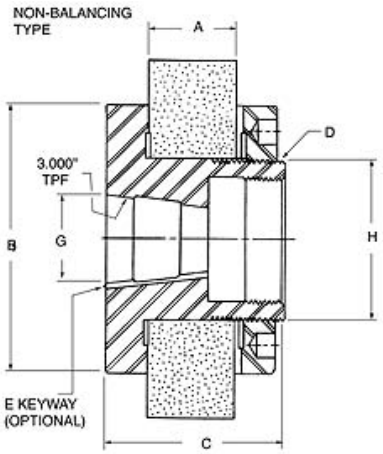


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
01312	1	5/8 to 1	3-1/2	2	2-18RH	1/4	1.25	2.000
01313	2	1/2 to 1	4-1/4	2-5/8	2-16RH	1/4	1.25	2.000
01316	2	1/2 to 1	4-1/4	2-3/4	3-16RH	1/4	1.25	3.000
01317	2	1/2 to 1	4-1/4	2-3/4	3-16LH	1/4	1.25	3.000
01318	2	3/4 to 2	5	3-3/8	3-16LH	-	1.50	3.000
01319	2	3/4 to 2	5	3-3/8	3-16RH	-	1.50	3.000
01320	2	1	6	3-3/8	4-16LH	-	1.50	4.000
01321	2	1	6	3-3/8	4-16RH	-	1.50	4.000
01322	2	3/4 to 2	7	3-3/8	5-16LH	-	1.50	5.000
01323	2	3/4 to 2	7	3-3/8	5-16RH	-	1.50	5.000

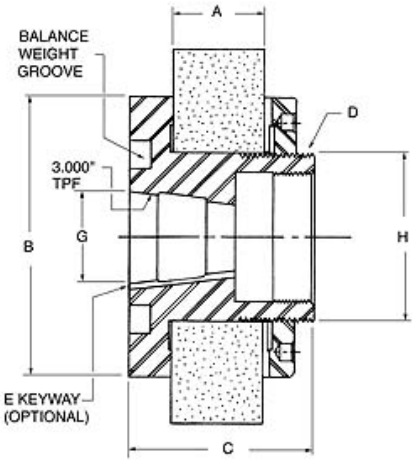


FIG. 2

00838	Three piece bronze balancing weight set for 01318, 01319, 01320, 01321, 01322, 01323
00830	Three piece bronze balancing weight set for 01312, 01316, 01317.
00832	Three piece bronze balancing weight set for 01313.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.



00830

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Wheel Adapters for Larger Grinders.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 2.000”, 3.000", 4.000", AND 5.000" ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01337

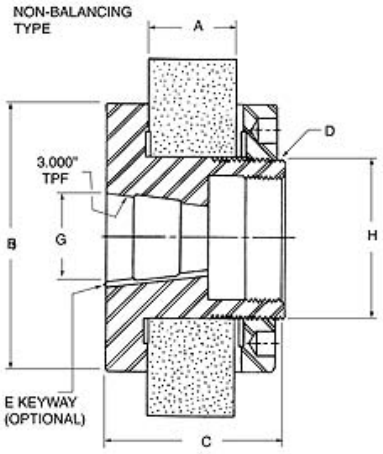


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
50328	2	1 to 1-1/2	5	3-1/4	3-16LH	1/4	1.62	3.000
01330	2	1-1/4 to 2	5	3-9/16	3-16LH	1/4	1.62	3.000
01324	2	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01325	1	1-1/4 to 2	5	3-9/16	2-16LH	1/4	1.62	2.000
01326	1	1-1/4 to 2	5	3-3/8	3-16RH	1/4	1.62	3.000
01327	2	3/4 to 2	5	3-3/8	3-16LH	-	1.62	3.000
01328	2	3/4 to 2	5	3-3/8	3-16RH	-	1.62	3.000
01329	1	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01332 *	2	1-1/4 to 2	7	3-9/16	3-16LH	1/4	1.62	3.000
01331 *	2	1-1/4 to 2	7	3-9/16	3-16RH	1/4	1.62	3.000
01333	2	3/4 to 2	6	3-3/8	4-16LH	-	1.62	4.000
01334	2	3/4 to 2	6	3-3/8	4-16RH	-	1.62	4.000
01335	2	3/4 to 2	7	3-3/8	5-16LH	-	1.62	5.000
01336	2	3/4 to 2	7	3-3/8	5-16RH	-	1.62	5.000
01337	2	1 to 2-1/2	5	4-1/4	3-16RH	1/4	2.25	3.000
01338	2	1 to 2-1/2	5	4-1/4	3-16LH	1/4	2.25	3.000
01339 *	2	1 to 2-1/2	7	4-1/4	3-16RH	1/4	2.25	3.000
01340 *	2	1 to 2-1/2	7	4-1/4	3-16LH	1/4	2.25	3.000

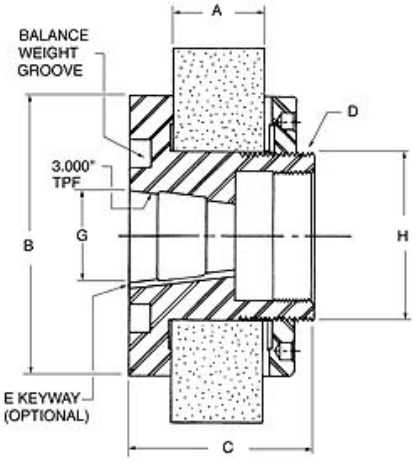


FIG. 2

00831	Three piece bronze balancing weight set for 01324, 01330, 01331, 01332, 01337, 01338, 01339, 01340.
00834	Three piece bronze balancing weight set for 01326.



00831

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* 5" diameter nut.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Heald Sleeve Style Internal Grinding Spindles.

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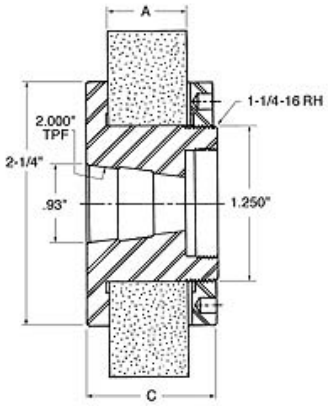
2.000" TPF AND 3.000" TPF WITH .60", .93", 1.25", 1.63", 2.00", AND 2.25"
DIAMETER AT LARGE END OF TAPER.
FOR 0.875", 1.250", 1.500", 2.500", 2.750", AND 3.000" ID WHEELS.



00653



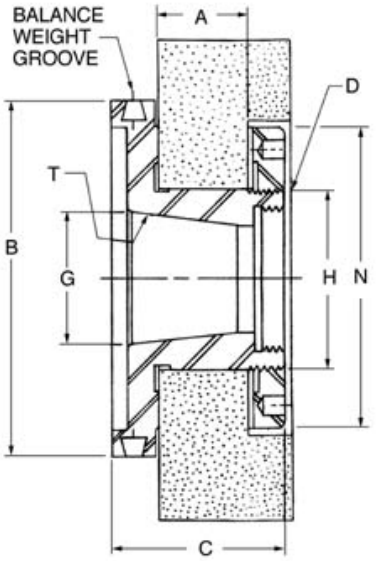
00654



SOPKO CATALOG NO.	HEALD PART NO.	DIMENSIONS A	DIMENSIONS C	WHEEL HEAD SERIES
00653	H405-500	1/2	1-11/16	405
00654	H405-1000	1	2-3/16	405



50065



SOPKO CATALOG NO.	HEALD PART NO.	DIMENSIONS A	B	C	D	G	H	N	WHEEL HEAD T	WHEEL HEAD SERIES
00655	7-4946A	1-1/4	2	2-1/8	7/8-16RH	.60	0.875	1-5/8	2.000 TPF	403
00657	7-7757A	1	2-1/2	1-11/16	1-1/2-16RH	.93	1.500	2-1/2	2.000 TPF	405
00656	7-4927A	1	2-5/8	1-15/16	1-1/2-16RH	.93	1.500	2-5/8	2.000 TPF	405
00658	7-4908A	1-1/4	3-3/8	2-1/4	2-16RH	1.25	2.500	3-3/8	3.000 TPF	407
00659	7-4935A	1-1/4	3-7/8	2	2-1/8-16RH	1.63	2.500	3-7/8	3.000 TPF	409
00660	7-5025A	1	5-1/8	1-7/8	2-3/4-16RH	2.00	2.750	5-1/8	3.000 TPF	411
50065 *	7-5022A	1-1/2	6	2-3/4	3-16RH	2.25	3.000	4-7/8	3.000 TPF	413

00841	Three piece steel weight set for 00655.	00845	Three piece steel weight set for 00659.
00842	Three piece steel weight set for 00656.	00846	Three piece steel weight set for 00660.
00843	Three piece steel weight set for 00657.	00847	Three piece steel weight set for 50065.
00844	Three piece steel weight set for 00658.		



00847

All balancing style adapters include the three piece steel balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 82 for adapter puller.

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Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.25” AND 1.50" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000”, AND 5.000” ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01312
(Front Side)



01316
(Taper Side)

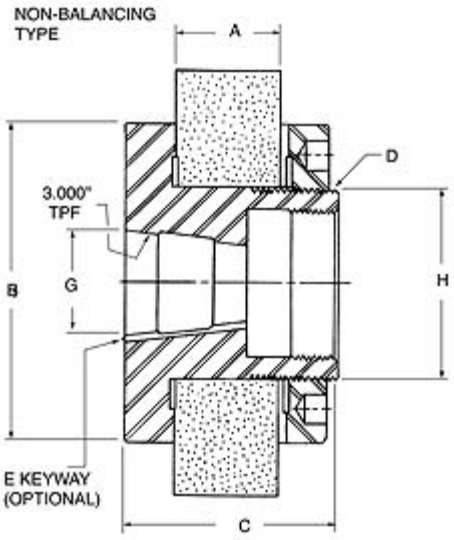


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
01312	1	5/8 to 1	3-1/2	2	2-18RH	1/4	1.25	2.000
01313	2	1/2 to 1	4-1/4	2-5/8	2-16RH	1/4	1.25	2.000
01316	2	1/2 to 1	4-1/4	2-3/4	3-16RH	1/4	1.25	3.000
01317	2	1/2 to 1	4-1/4	2-3/4	3-16LH	1/4	1.25	3.000
01318	2	3/4 to 2	5	3-3/8	3-16LH	-	1.50	3.000
01319	2	3/4 to 2	5	3-3/8	3-16RH	-	1.50	3.000
01320	2	1	6	3-3/8	4-16LH	-	1.50	4.000
01321	2	1	6	3-3/8	4-16RH	-	1.50	4.000
01322	2	3/4 to 2	7	3-3/8	5-16LH	-	1.50	5.000
01323	2	3/4 to 2	7	3-3/8	5-16RH	-	1.50	5.000

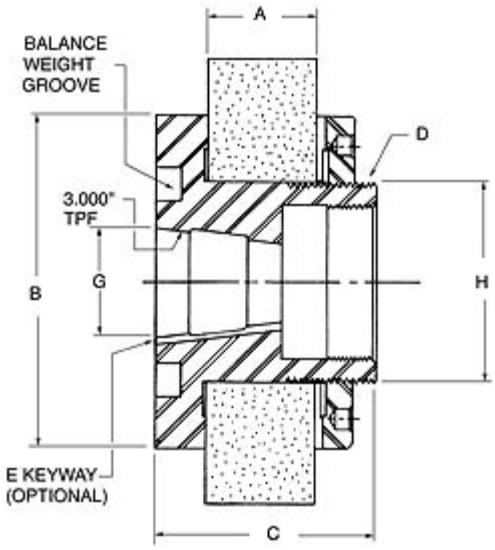


FIG. 2

00838	Three piece bronze balancing weight set for 01318, 01319, 01320, 01321, 01322, 01323
00830	Three piece bronze balancing weight set for 01312, 01316, 01317.
00832	Three piece bronze balancing weight set for 01313.



00830

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.

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Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000", AND 5.000" ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01337

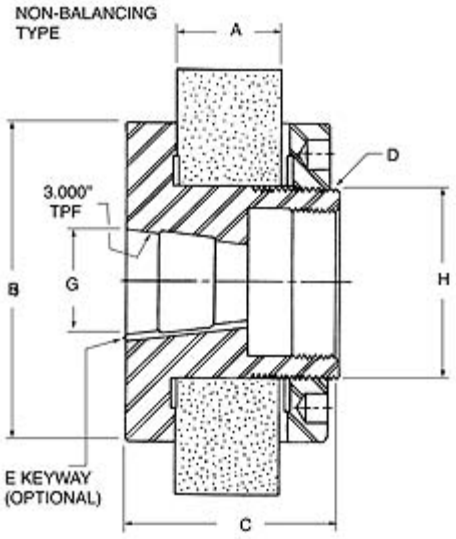


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
50328	2	1 to 1-1/2	5	3-1/4	3-16LH	1/4	1.62	3.000
01330	2	1-1/4 to 2	5	3-9/16	3-16LH	1/4	1.62	3.000
01324	2	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01325	1	1-1/4 to 2	5	3-9/16	2-16LH	1/4	1.62	2.000
01326	1	1-1/4 to 2	5	3-3/8	3-16RH	1/4	1.62	3.000
01327	2	3/4 to 2	5	3-3/8	3-16LH	-	1.62	3.000
01328	2	3/4 to 2	5	3-3/8	3-16RH	-	1.62	3.000
01329	1	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01332 *	2	1-1/4 to 2	7	3-9/16	3-16LH	1/4	1.62	3.000
01331 *	2	1-1/4 to 2	7	3-9/16	3-16RH	1/4	1.62	3.000
01333	2	3/4 to 2	6	3-3/8	4-16LH	-	1.62	4.000
01334	2	3/4 to 2	6	3-3/8	4-16RH	-	1.62	4.000
01335	2	3/4 to 2	7	3-3/8	5-16LH	-	1.62	5.000
01336	2	3/4 to 2	7	3-3/8	5-16RH	-	1.62	5.000
01337	2	1 to 2-1/2	5	4-1/4	3-16RH	1/4	2.25	3.000

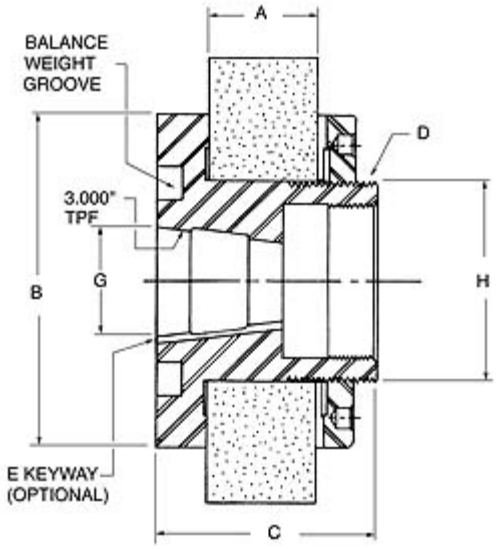


FIG. 2

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01338	2	1 to 2-1/2	5	4-1/4	3-16LH	1/4	2.25	3.000
01339 *	2	1 to 2-1/2	7	4-1/4	3-16RH	1/4	2.25	3.000
01340 *	2	1 to 2-1/2	7	4-1/4	3-16LH	1/4	2.25	3.000

00831	Three piece bronze balancing weight set for 01324, 01330, 01331, 01332, 01337, 01338, 01339, 01340.
00834	Three piece bronze balancing weight set for 01326.



00831

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* 5" diameter nut.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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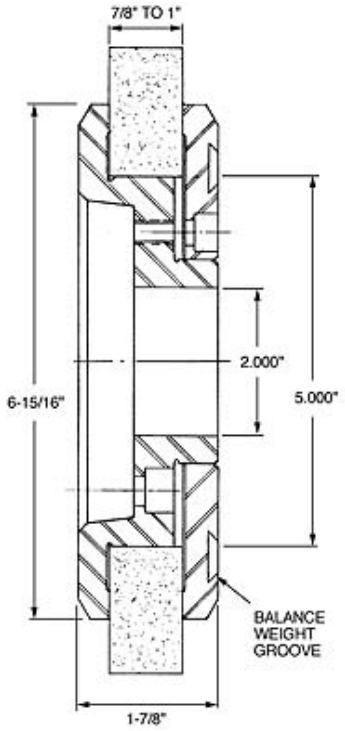
Wheel Adapters for Jones & Shipman Grinders.

FOR 13° 43’ 08” INC ANGLE TAPER* AND 2" STRAIGHT BORE WITH 1.605" DIAMETER AT LARGE END OF TAPER. FOR 5.000" ID WHEELS.

A tradition of quality manufacturing makes this Jones and Shipman series 1076 straight bore bolt-on flange balancing adapter an outstanding value. Two precison ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, the adapter is furnished with a three piece steel balancing weight set 00859, three 5/16-18RH x 1/2" SHCS 05941 flange bolts.



01195
(Front Side)

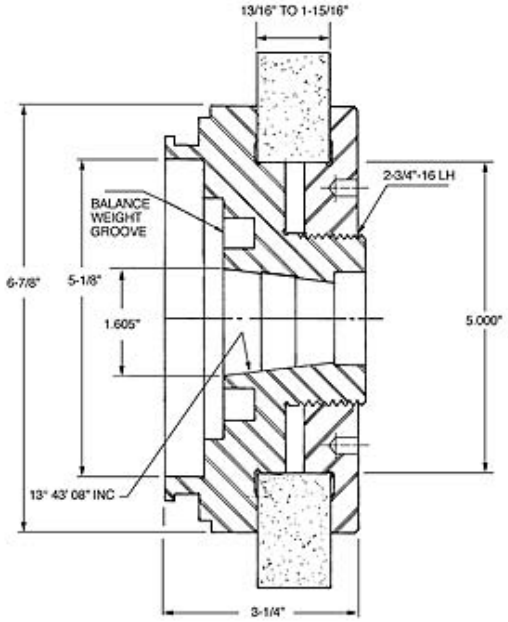


SOPKO CATALOG NO.
01195

This premium quality Jones & Shipman series 1310 universal cylindrical grinder balancing adapter features the highest quality 13° 43’ 08” INC angle internal taper for precise spindle mounting and pre-heat treated hubs and nuts for strength and long life. Precision ground surfaces and thread ground threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes. Adapter furnished with three piece bronze balancing weight set 00861.

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SOPKO CATALOG NO.
01836

01836
(Taper Side)

*Europe and Canada only.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Okamoto DX Series Grinders.

3.000" TPF AND 1:5 TAPER RATIO WITH 1.00" AND 1.75" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 5.000" ID WHEELS.

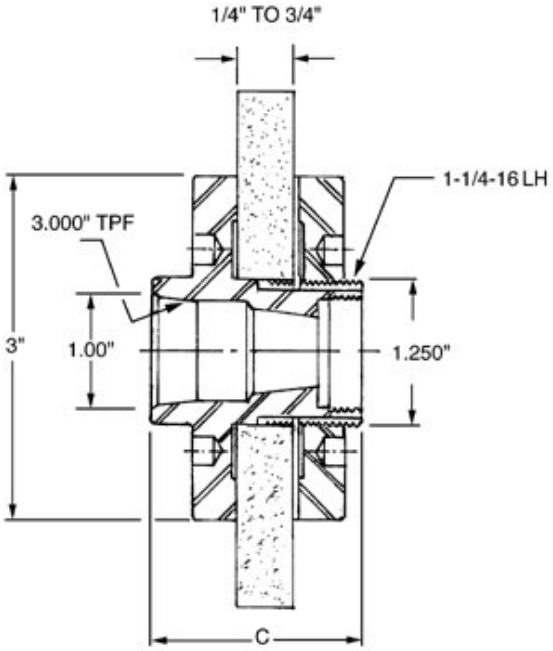
Standard adapter for 6.18DX and 8.20DX saddle type surface grinders.

SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS C
00129	A521	1-15/16
02681*	-	2-3/64

* Balancing style adapter includes weight set 00862.



00129



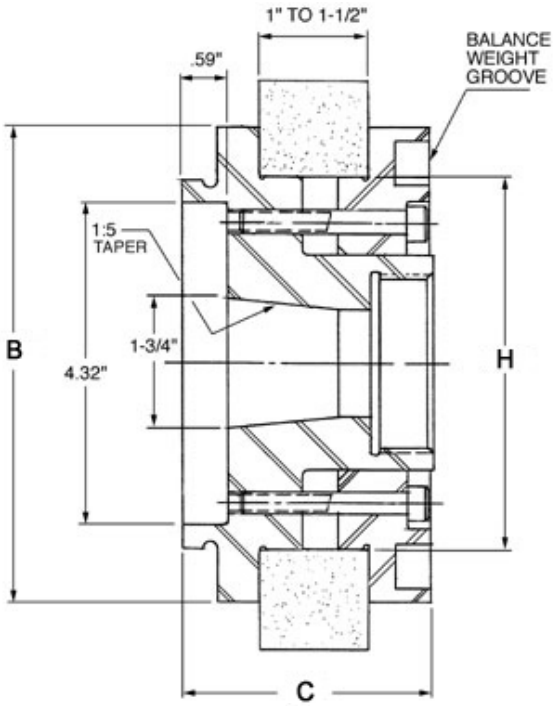
Bolt-on flange balancing adapter for 12.24DX, 16.24DX,

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16.32DX, 20.24DX, 20.36DX and 20.40DX saddle type surface grinders.



00636



SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS		
		B	C	H
00908†	A621-3	5	3-1/4	3.000
00636**	A621-5	6-3/8	3-3/8	5.000

† Includes balancing weight set 00831 and 6 piece SHCS set 00614.
** Includes balancing weight set 00864 and 6 piece SHCS set 00614.

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
00636	27MM to 38MM (1" to 1.50")	01834	5/16-18 X 2-1/4	6
00908	1"	00614	5/16-18 X 1-1/4	6
	1-1/2"	00615	5/16-18 X 1-1/2	6

** Includes balancing weight set 00864.

Select proper length screw sets from tabulation to lock specific grinding wheel widths.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.25” AND 1.50" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000”, AND 5.000” ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.

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01312
(Front Side)



01316
(Taper Side)

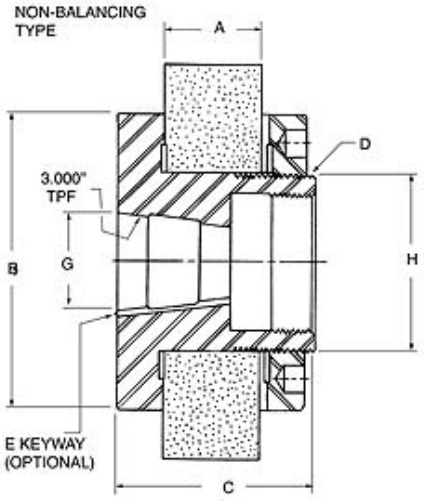


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
01312	1	5/8 to 1	3-1/2	2	2-18RH	1/4	1.25	2.000
01313	2	1/2 to 1	4-1/4	2-5/8	2-16RH	1/4	1.25	2.000
01316	2	1/2 to 1	4-1/4	2-3/4	3-16RH	1/4	1.25	3.000
01317	2	1/2 to 1	4-1/4	2-3/4	3-16LH	1/4	1.25	3.000
01318	2	3/4 to 2	5	3-3/8	3-16LH	-	1.50	3.000
01319	2	3/4 to 2	5	3-3/8	3-16RH	-	1.50	3.000
01320	2	1	6	3-3/8	4-16LH	-	1.50	4.000
01321	2	1	6	3-3/8	4-16RH	-	1.50	4.000
01322	2	3/4 to 2	7	3-3/8	5-16LH	-	1.50	5.000
01323	2	3/4 to 2	7	3-3/8	5-16RH	-	1.50	5.000

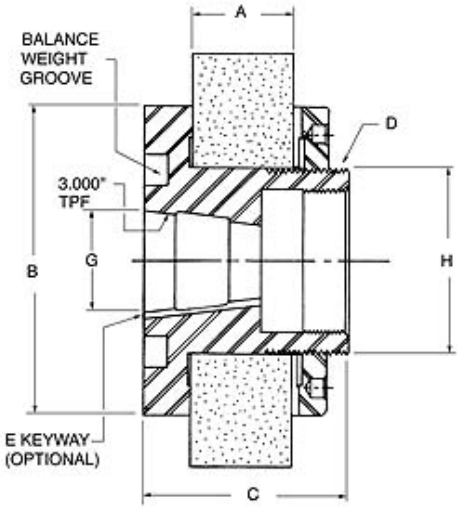


FIG. 2

00838	Three piece bronze balancing weight set for 01318, 01319, 01320, 01321, 01322, 01323
00830	Three piece bronze balancing weight set for 01312, 01316, 01317.
00832	Three piece bronze balancing weight set for 01313.



00830

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000", AND 5.000" ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum

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strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01337

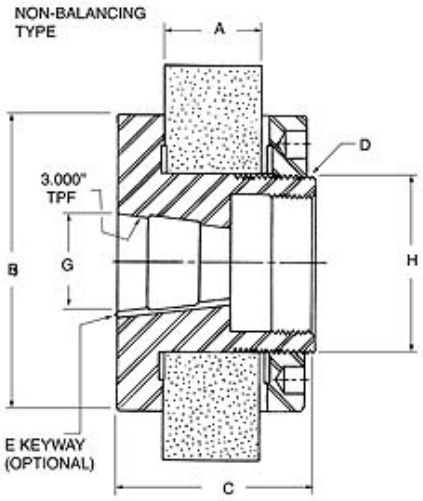


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
50328	2	1 to 1-1/2	5	3-1/4	3-16LH	1/4	1.62	3.000
01330	2	1-1/4 to 2	5	3-9/16	3-16LH	1/4	1.62	3.000
01324	2	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01325	1	1-1/4 to 2	5	3-9/16	2-16LH	1/4	1.62	2.000
01326	1	1-1/4 to 2	5	3-3/8	3-16RH	1/4	1.62	3.000
01327	2	3/4 to 2	5	3-3/8	3-16LH	-	1.62	3.000
01328	2	3/4 to 2	5	3-3/8	3-16RH	-	1.62	3.000
01329	1	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01332 *	2	1-1/4 to 2	7	3-9/16	3-16LH	1/4	1.62	3.000
01331 *	2	1-1/4 to 2	7	3-9/16	3-16RH	1/4	1.62	3.000
01333	2	3/4 to 2	6	3-3/8	4-16LH	-	1.62	4.000
01334	2	3/4 to 2	6	3-3/8	4-16RH	-	1.62	4.000
01335	2	3/4 to 2	7	3-3/8	5-16LH	-	1.62	5.000
01336	2	3/4 to 2	7	3-3/8	5-16RH	-	1.62	5.000
01337	2	1 to 2-1/2	5	4-1/4	3-16RH	1/4	2.25	3.000
01338	2	1 to 2-1/2	5	4-1/4	3-16LH	1/4	2.25	3.000
01339 *	2	1 to 2-1/2	7	4-1/4	3-16RH	1/4	2.25	3.000
01340 *	2	1 to 2-1/2	7	4-1/4	3-16LH	1/4	2.25	3.000

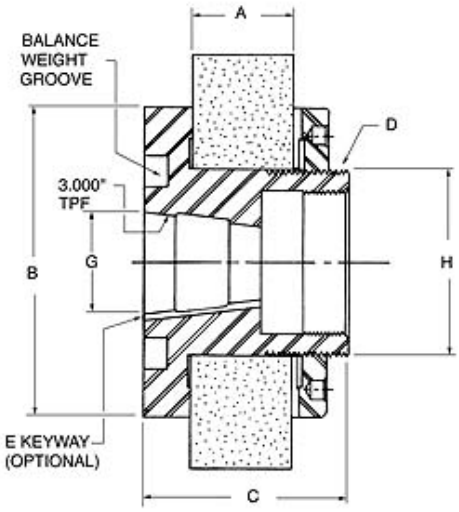


FIG. 2

00831	Three piece bronze balancing weight set for 01324, 01330, 01331, 01332, 01337, 01338, 01339, 01340.
00834	Three piece bronze balancing weight set for 01326.



00831

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* 5" diameter nut.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

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Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000” TPF WITH 1.62” AND 2.25” DIAMETER AT LARGE END OF TAPER.
FOR 5.000” AND 8.000” ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use.



01342

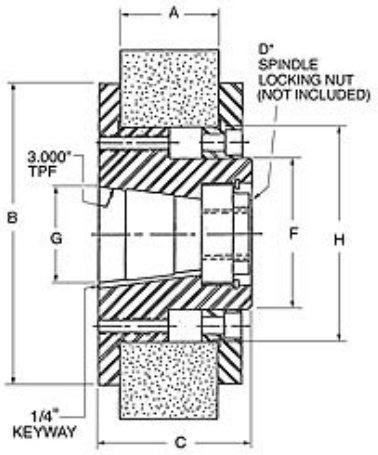


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS A	B	C	D*	F	G	H	SNAP RING
01341	1	3/4 to 1-1/2	7	2-9/16	3/4-16	3-1/2	1.62	5.000	04248
01357	1	1 to 2-1/2	7	3-9/16	1-1/8-12	3-1/2	2.25	5.000	04358
01342	2	3/4 to 1-3/4	7	2-13/16	3/4-16	3-5/8	1.62	5.000	01830
01343	2	1 to 2-1/2	7	3-9/16	1-1/8-12	3-5/8	2.25	5.000	01830
01344	2	1-3/4 to 3	10	4-1/16	1-1/8-12	4	2.25	8.000	01830

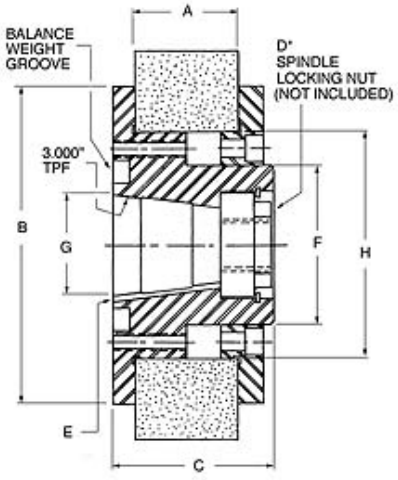


FIG. 2

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01341	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
01342	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
	1-1/2 to 1-3/4	01797	3/8-16X2-1/4	4
01343	1 to 1-1/2	01798	3/8-16X1-1/2	4
	1-3/4 to 2	01797	3/8-16X2-1/4	4
01357	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
01344	1-3/4 to 2	01797	3/8-16X2-1/4	4
	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	2-3/4 to 3	01800	3/8-16X3-1/4	4



01797

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00828	Three piece bronze balancing weight set for 01342 and 01343.
00826	Three piece bronze balancing weight set for 01344.



00828

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 3.000" AND 5.000" ID WHEELS.



01353 (Front Side)



01351 (Taper Side)

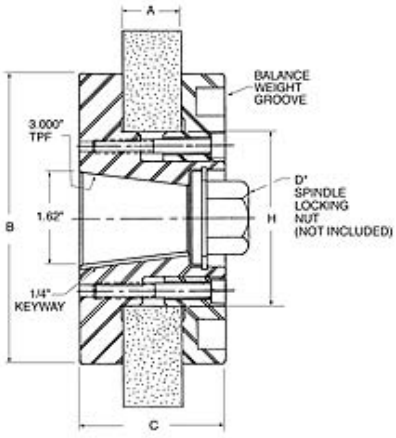


FIG. 1

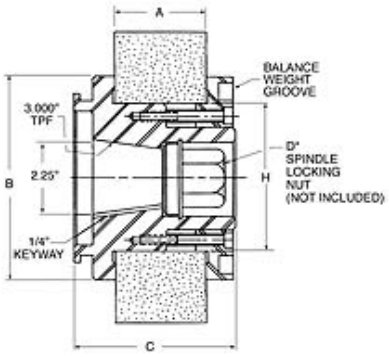


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS			
		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

OPTIONAL SOCKET HEAD CAP SCREW SETS.

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ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.
00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000" TPF WITH 2.62", 3.00" AND 3.75" DIAMETER AT LARGE END OF TAPER.
FOR 5.000", 8.000" AND 12.000" ID WHEELS.

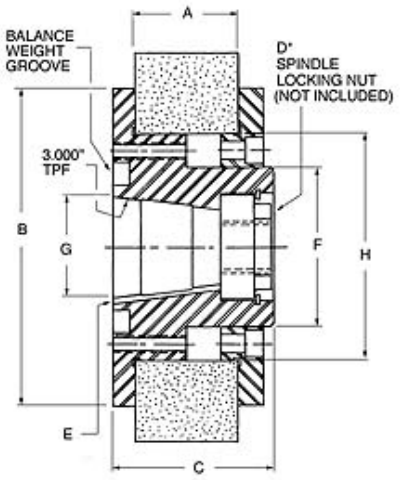
The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use. And of course, the high quality internal taper is unsurpassed for precision spindle mounting.



01345

DIMENSIONS

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SOPKO CATALOG NO.	A	B	C	D*	E	F	G	H	SNAP RING
01345	1-1/2 to 2-3/4	7	4-3/16	1-1/2-12	1/4	3-5/8	2.62	5.000	01830
01346	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	2.62	12.000	01830
01347	1-3/4 to 3	7	4-11/16	1-1/2-12	1/4	3-5/8	3.00	5.000	01830
01348	1-3/4 to 3	10	4-5/16	1-1/2-12	1/4	5-1/2	3.00	8.000	01830
01349	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	3.00	12.000	01830
01350	2-1/4 to 4	10	5-1/2	2-1/4-12	3/8	5-1/2	3.75	8.000	04331



01801

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01345	1-1/2 to 2	01801	3/8-16X2-1/2	4
	2-1/4 to 2-3/4	01800	3/8-16X3-1/4	4
01346	1-3/4 to 2-1/4	01811	3/8-16X3	6
01347	2-1/2 to 3	01802	3/8-16X3-1/2	4
01349	6			
01348	1-3/4 to 2-1/4	01803	1/2-13X3	6
	2-1/2 to 3	01804	1/2-13X3-1/2	6
	2-1/4 to 2-3/4	01805	1/2-13X2-1/2	6
01350	3 to 3-1/2	01806	1/2-13X3-1/4	6
	4	01807	1/2-13X4	6



00829

00829	Three piece bronze balancing weight set for 01346 and 01349.
00826	Three piece bronze balancing weight set for 01345, 01347, 01348, and 01350.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000” TPF WITH 1.62” AND 2.25” DIAMETER AT LARGE END OF TAPER.
FOR 5.000” AND 8.000” ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use.



01342

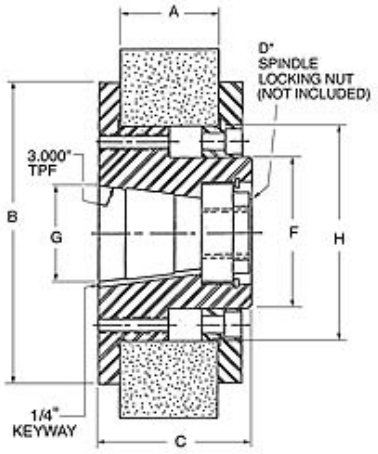


FIG. 1

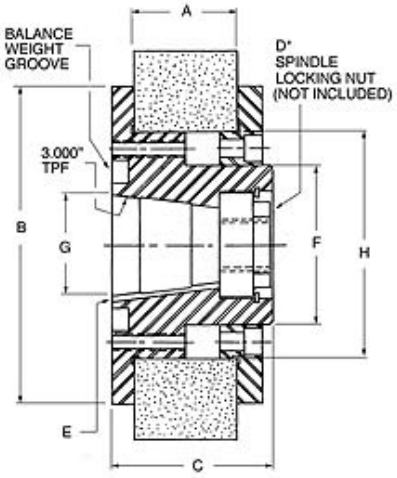


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS A	B	C	D*	F	G	H	SNAP RING
01341	1	3/4 to 1-1/2	7	2-9/16	3/4-16	3-1/2	1.62	5.000	04248
01357	1	1 to 2-1/2	7	3-9/16	1-1/8-12	3-1/2	2.25	5.000	04358
01342	2	3/4 to 1-3/4	7	2-13/16	3/4-16	3-5/8	1.62	5.000	01830
01343	2	1 to 2-1/2	7	3-9/16	1-1/8-12	3-5/8	2.25	5.000	01830
01344	2	1-3/4 to 3	10	4-1/16	1-1/8-12	4	2.25	8.000	01830

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01341	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
01342	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
	1-1/2 to 1-3/4	01797	3/8-16X2-1/4	4
01343	1 to 1-1/2	01798	3/8-16X1-1/2	4
01357	1-3/4 to 2	01797	3/8-16X2-1/4	4
	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
01344	1-3/4 to 2	01797	3/8-16X2-1/4	4
	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	2-3/4 to 3	01800	3/8-16X3-1/4	4



01797

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00828	Three piece bronze balancing weight set for 01342 and 01343.
00826	Three piece bronze balancing weight set for 01344.



00828

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

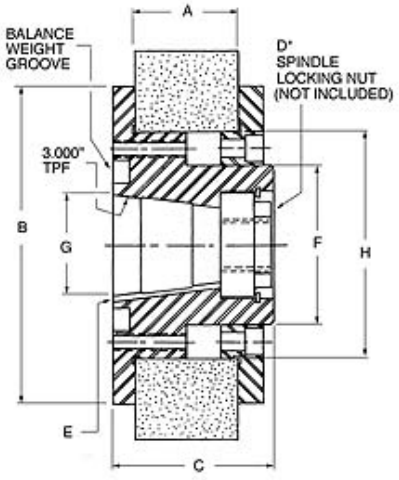
Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000" TPF WITH 2.62", 3.00" AND 3.75" DIAMETER AT LARGE END OF TAPER.
FOR 5.000", 8.000" AND 12.000" ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use. And of course, the high quality internal taper is unsurpassed for precision spindle mounting.



01345



SOPKO CATALOG NO.	DIMENSIONS								SNAP RING
	A	B	C	D*	E	F	G	H	
01345	1-1/2 to 2-3/4	7	4-3/16	1-1/2-12	1/4	3-5/8	2.62	5.000	01830
01346	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	2.62	12.000	01830
01347	1-3/4 to 3	7	4-11/16	1-1/2-12	1/4	3-5/8	3.00	5.000	01830
01348	1-3/4 to 3	10	4-5/16	1-1/2-12	1/4	5-1/2	3.00	8.000	01830
01349	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	3.00	12.000	01830
01350	2-1/4 to 4	10	5-1/2	2-1/4-12	3/8	5-1/2	3.75	8.000	04331

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01801



00829

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01345	1-1/2 to 2	01801	3/8-16X2-1/2	4
	2-1/4 to 2-3/4	01800	3/8-16X3-1/4	4
01346	1-3/4 to 2-1/4	01811	3/8-16X3	6
01347	2-1/2 to 3	01802	3/8-16X3-1/2	4
01349	6			
01348	1-3/4 to 2-1/4	01803	1/2-13X3	6
	2-1/2 to 3	01804	1/2-13X3-1/2	6
	2-1/4 to 2-3/4	01805	1/2-13X2-1/2	6
01350	3 to 3-1/2	01806	1/2-13X3-1/4	6
	4	01807	1/2-13X4	6

00829	Three piece bronze balancing weight set for 01346 and 01349.
00826	Three piece bronze balancing weight set for 01345, 01347, 01348, and 01350.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Flute Grinders Manufactured by Hertlein Special Tool Co., Mt. Vernon, NY.

3.000" TPF WITH 1.63" DIAMETER AT LARGE END OF TAPER.
FOR 12.000" ID WHEELS.

Starting with a precision ground internal taper, this Sopko bolt-on flange balancing adapter offers today's Hertlein CO-100 grinding professional the best in quality features. Two precisely ground flanges provide identical load-bearing surfaces for reliable grinding wheel lock and to maximize spindle driving torque. Made from pre-hardened alloy steel and finished with black oxide, the adapter is furnished with a bronze balancing weight set 00849.



(Front Side)

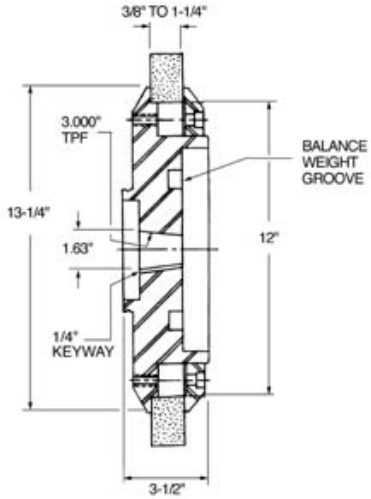
50182



(Taper Side)



01809



OPTIONAL SOCKET HEAD CAP SCREW SETS. *

WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
3/8 to 3/4	01809	3/8-16X1-3/4	8
1 to 1-1/4	01810	3/8-16X2-1/4	8

* Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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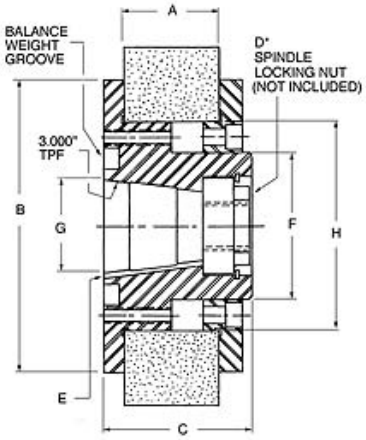
Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000" TPF WITH 2.62", 3.00" AND 3.75" DIAMETER AT LARGE END OF TAPER.
FOR 5.000", 8.000" AND 12.000" ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use. And of course, the high quality internal taper is unsurpassed for precision spindle mounting.



01345



SOPKO CATALOG NO.	DIMENSIONS								SNAP RING
	A	B	C	D*	E	F	G	H	
01345	1-1/2 to 2-3/4	7	4-3/16	1-1/2-12	1/4	3-5/8	2.62	5.000	01830
01346	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	2.62	12.000	01830
01347	1-3/4 to 3	7	4-11/16	1-1/2-12	1/4	3-5/8	3.00	5.000	01830
01348	1-3/4 to 3	10	4-5/16	1-1/2-12	1/4	5-1/2	3.00	8.000	01830
01349	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	3.00	12.000	01830
01350	2-1/4 to 4	10	5-1/2	2-1/4-12	3/8	5-1/2	3.75	8.000	04331



01801

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01345	1-1/2 to 2	01801	3/8-16X2-1/2	4
	2-1/4 to 2-3/4	01800	3/8-16X3-1/4	4
01346	1-3/4 to 2-1/4	01811	3/8-16X3	6
01347	2-1/2 to 3	01802	3/8-16X3-1/2	4
01349	6			
01348	1-3/4 to 2-1/4	01803	1/2-13X3	6
	2-1/2 to 3	01804	1/2-13X3-1/2	6
	2-1/4 to 2-3/4	01805	1/2-13X2-1/2	6
01350	3 to 3-1/2	01806	1/2-13X3-1/4	6
	4	01807	1/2-13X4	6



00829

00829	Three piece bronze balancing weight set for 01346 and 01349.
00826	Three piece bronze balancing weight set for 01345, 01347, 01348, and 01350.

All balancing style adapters include the three piece bronze balancing weight set.

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See page 12 and 13 for standard taper balancing adapters.
* See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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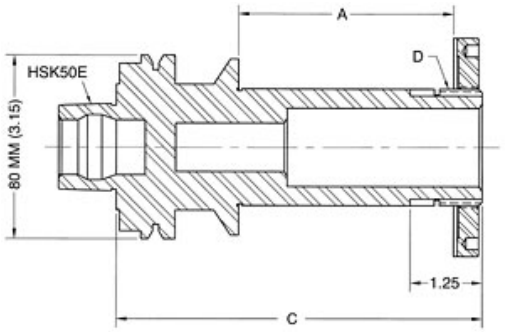
Wheel Adapters for Grinding Machines Manufactured by ANCA, Victoria, Australia.

HSK50EMOD TAPER AND 19º 05' 06" INC ANGLE TAPER WITH .85" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 2.000" ID WHEELS.

Sopko quality Anca FASTGRIND adapters are made for the operator expecting the highest standard of performance required by today's fast set-up times and short production runs. Sopko assures this standard with quality features like PRECISION GROUND TAPERS for reliable spindle mating and CONCENTRICALLY GROUND AND SQUARE surfaces to optimize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions. Every Anca adapter is furnished complete with a spindle mounting bolt, lock washer and recessed washer.



00318



SOPKO CATALOG NO.	ANCA PART NO.	A	C	D	MACHINE
50356	-	2-5/32	4-3/4	1-1/4-16RH	TGX
01137*	-	2-5/32	4-3/4	1-1/4-16RH	TGX
00318	-	3-3/8	6-11/32	2-16RH	TGX

* For cupwheel use.



00623 00624

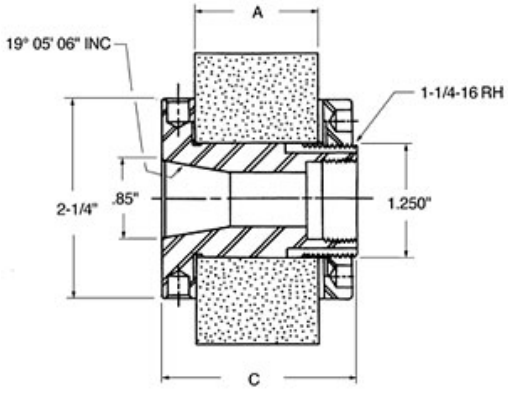


FIG.1

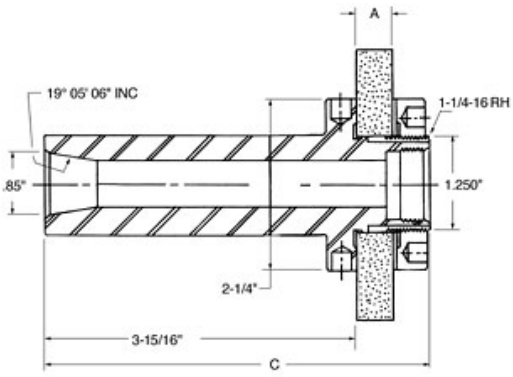


FIG.2

SOPKO CATALOG NO.	FIG.	ANCA PART NO.	DIMENSIONS A	C	MACHINE
00621	1	AT901-0-00-0175	2-1/8 to 2-3/8	3-3/16	TG4
00622	1	AT901-0-00-0175-1	3-5/8	4-3/8	TG4
00623	1	AT901-0-00-0179	1-1/8 to 1-3/8	2-3/16	TG4
00624	1	AT901-0-00-0183	1/4 to 1/2	1-5/16	TG4
00620	2	AT901-0-00-0174	1/2	4-7/8	TG4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Grinding Machines Manufactured by ANCA, Victoria, Australia.

3.500" TPF WITH 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 2.000" ID WHEELS.

Sopko quality Anca FASTGRIND adapters are made for the operator expecting the highest standard of performance required by today's fast set-up times and short production runs. Sopko assures this standard with quality features like PRECISION GROUND TAPERS for reliable spindle mating and CONCENTRICALLY GROUND AND SQUARE surfaces to optimize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these FASTGRIND adapters because Sopko HEAT TREATS every one. Every Anca adapter is furnished complete with a spindle mounting bolt, lock washer and recessed washer.



00626



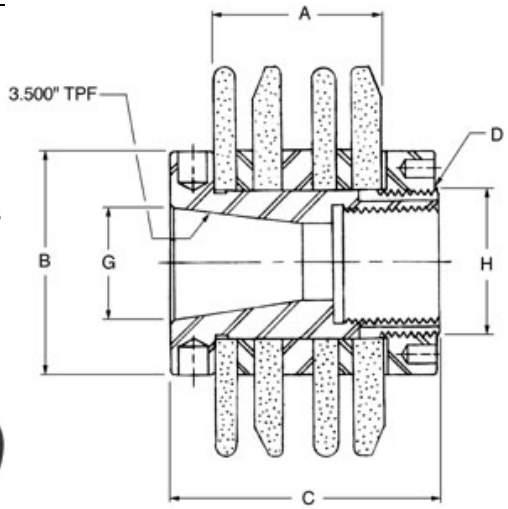
50163

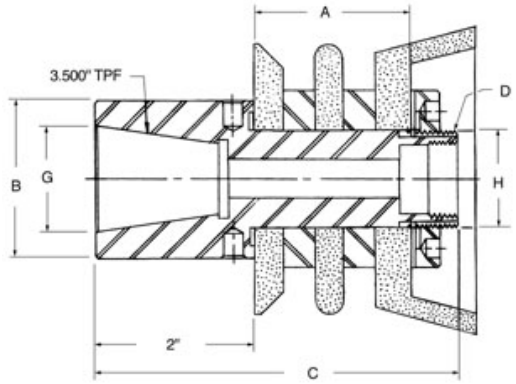


00628



00879





SOPKO CATALOG NO.	FIG.	ANCA PART NO.	DIMENSIONS A	B	C	D	G	H	MACHINE
00625	1	AT902-0-00-5026	1-1/8 to1-1/4	3	2-3/16	2-16RH	1.38	2.000	TG7/DM7
00626	1	AT902-0-00-5027	1-7/8 to 2	3	2-31/32	2-16RH	1.38	2.000	TG7/DM7
50063	1	-	2-5/8	3	3-9/16	2-16RH	1.38	2.000	TG7/DM7
00823	1	AT937-0-00-1009	3-1/4	3	4-1/8	2-16RH	1.38	2.000	TG7/DM7
00627	1	-	3-3/8 to 3-1/2	3	4-3/8	2-16RH	1.38	2.000	TG7/DM7
00822	1	AT937-0-00-1010	4-3/8	3	5-5/16	2-16RH	1.38	2.000	TG7/DM7
50163	2	AT902-0-01-5037	2	2	4.613	1-1/4-16RH	1.38	1.250	TG7/DM7
00628	1	AT913-0-00-1024	1-1/8	1-31/32	1-31/32	1-1/4-16RH	1.02	1.250	MG7/RG7
00629	1	AT913-0-00-1025	1-7/16 to 1-1/2	1-31/32	2-3/8	1-1/4-16RH	1.02	1.250	MG7/RG7
50186	1	-	2-1/8	1-31/32	3-1/32	1-1/4-16RH	1.02	1.250	MG7/RG7
50187	1	-	2-5/8	1-31/32	3-1/2	1-1/4-16RH	1.02	1.250	MG7/RG7
50188	1	-	3-1/8	1-31/32	4	1-1/4-16RH	1.02	1.250	MG7/RG7
50350*	1	-	2-1/2	3	3-7/16	2-16RH	1.02	2.000	MG7/RG7
00496**	1	AT913-2-00-1010	1-1/2 to 1-3/4	1-31/32	2-5/8	1-1/4-16RH	1.02	1.250	RGX
00521***	1	AT913-2-00-1020	2 to 2-1/2	1-31/32	3-19/64	1-1/4-16RH	1.02	1.250	RGX
00398***	1	AT913-2-00-1030	2-5/8 to 3	1-31/32	3-13/16	1-1/4-16RH	1.02	1.250	RGX
00879***	1	AT913-2-00-1040	3 to 3-3/8	1-31/32	4-7/32	1-1/4-16RH	1.02	1.250	RGX

* Allows use of 2" ID wheels on MG7/RG7 machines.

** Includes two 5MM spacers 01305, one 10MM spacer 01310, and bi-directional nut 00067.

*** Includes two 5MM spacers 01305, two 10MM spacers 01310, and bi-directional nut 00067.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Grinding Machines
Manufactured by ANCA, Victoria, Australia.

19° 05' 06" INC ANGLE TAPER AND 3.500" TPF WITH .85", 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER.

A Sopko innovation, Double Taper ANCA Conversion Adapters offer convenience and flexibility. Now, you can use conventional machines to accurately dress wheel-packs mounted on ANCA adapters without losing valuable production time. Two precision ground tapers provide reliable spindle and adapter mounting. Made from quality alloy steel, ANCA Double Taper Conversion Adapters are heat treated for strength, long-life, and rigidity. Diameters are ground for concentricity and squareness. These fine Sopko features combine to maintain the original high quality standards of the ANCA Fastgrind system. A 1-1/4” wrench flat on the body makes installation and removal easy.



50193

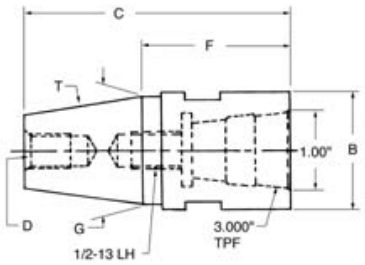


FIG. 1

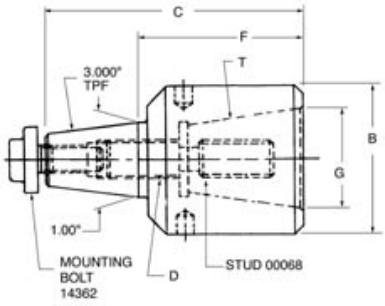


FIG. 2

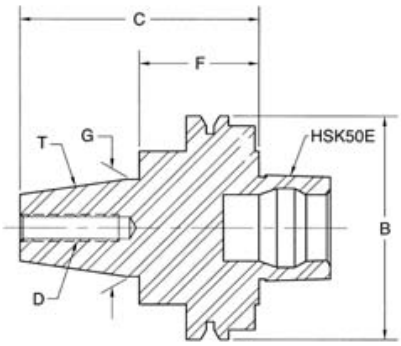


FIG. 3

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		B	C	D	F	G	T	MACHINE
50194	1	1-1/2	3	3/8-16RH	2-1/4	.85	19° 05' 06"	TG4
50354	1	1-1/2	3-3/8	M12X1.75RH	1-7/8	1.38	3.500	TG7/DM7
50192	1	1-1/2	3-3/8	M12X1.75RH	1-7/8	1.38	3.500	TG7/DM7
50178	2	2	3-1/2	M12X2.0RH	2-1/4	1.38	3.500	TG7/DM7
01150	3	80MM (3.15”)	3-7/16	M12X1.75RH	1-15/16	1.38	3.500	TG7/DM7
50193	1	1-1/2	3	M8X1.25RH	1-15/16	1.02	3.500	MG7/RG7/RGX
00497	1	1-1/2	3-23/32	M8X1.25RH	2-5/8	1.02	3.500	MG7/RG7/RGX

See ANCA spacers on page 75 and accessories on page 81 and 83.
See ANCA Mount/Dismount fixture on page 94.

SPINDLE MOUNTING BOLT AND LOCK WASHER SETS

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SOPKO CATALOG NO.	MACHINE	THREAD	LENGTH
00664	TG4 (00621)	3/8-16RH	2-3/4
00897	TG4 (00622)	3/8-16RH	4
01034	TG4 (00623)	3/8-16RH	1-3/4
01053	TG4 (00624)	3/8-16RH	3/4
01101	TG4 (00620)	3/8-16RH	4-1/2
00665	TG7/DM7	M12XP1.75RH	30MM (1.18")
00667	TG7 (50163)	M12XP1.75RH	100MM (3.94")
00666	MG7/RG7	M8XP1.25RH	30MM (1.18")



00664 **00666**



00665 **00667**

RECESSED WASHERS

SOPKO CATALOG NO.	MACHINE	OD	ID	THICKNESS
00162	TG4	21MM (.83")	10MM (.39")	6MM (.24")
00163	TG7/DM7	33MM (1.30")	13MM (.51")	7MM (.28")
00164	MG7/RG7	22MM (.87")	8.5MM (.33")	15MM (.59")



00164 **00163** **00162**

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Balancing Wheel Adapters for Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

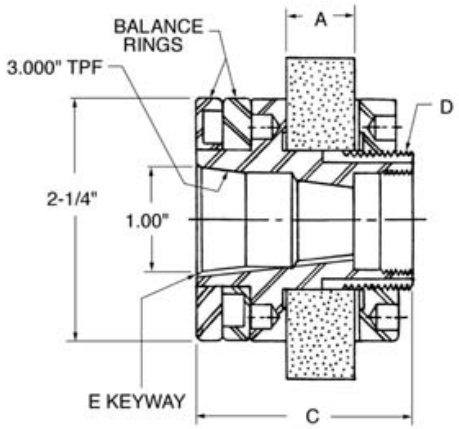
Sopko balancing rings have milled pockets with 180° arc-length. One end of the arc is permanently stamped with a reference line and arrow to designate direction of rotation. Unlike some balancing rings, Sopko “sandwiches” the milled pockets together inside the mated faces. Grinding grit can’t build up! Rings are lapped flat and ground for a precision fit. A nylon-tipped set screw secures each ring to the adapter hub. All balancing adapters furnished with a 3/32" hex wrench 00938.



00565



00106



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	E
00106	B100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00107	B100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00260	B200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00262	B200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00310	B300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00311	B300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00313	B300-1C	1	2-1/4	1-1/4-16LH	-
00312	B300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
50331**	ANB300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00338	B300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00404	B400-1A	2	3-3/16	1-1/4-16LH	-
00405	B400-2A	2	3-3/16	1-1/4-16RH	-
00410	B400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00412	B400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00504	B500-1A	3	4-3/16	1-1/4-16LH	-
00565	B500-1B	2 to 3	4-3/16	1-1/4-16LH	-
00505	B500-2A	3	4-3/16	1-1/4-16RH	-
50305	B600-1B	3 to 4	5-3/16	1-1/4-16LH	-
50393	B1000-1A	8	9-3/16	1-1/4-16LH	-

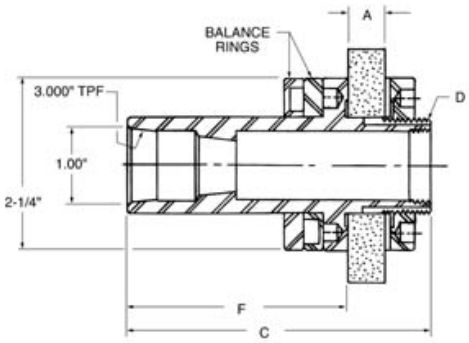
Use Sopko Balancing Adapters to:

- Increase productivity.
- Reduce downtime and maintenance.
- Produce low micro-finishes.
- Reduce wheel wear and truing frequency.
- Reduce costly spindle failures.

**Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.



00228



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	F

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00228	B200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00229	B200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00244	B200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00219	B200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16

*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

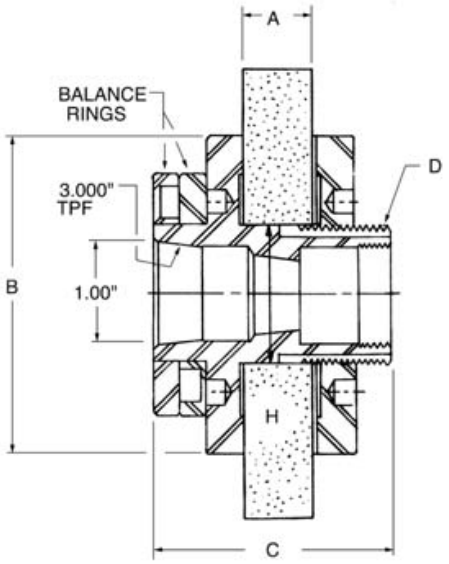
Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.



00460

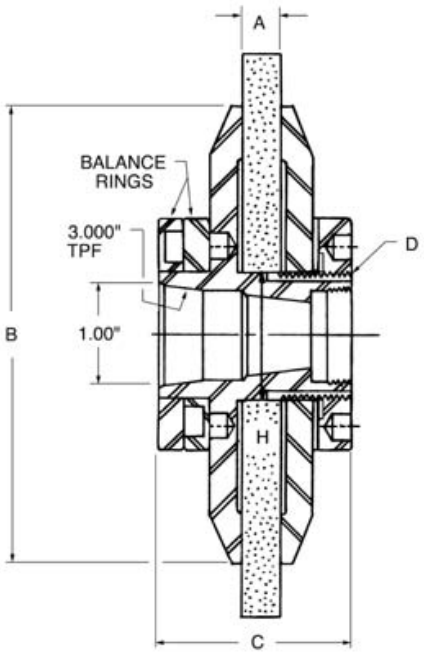




00248
(Front Side)



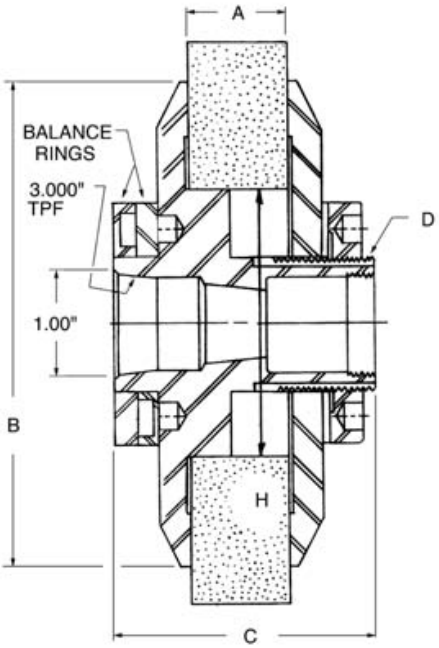
00251
(Taper Side)



SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250

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00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000



*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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01112



00651



00358



00360

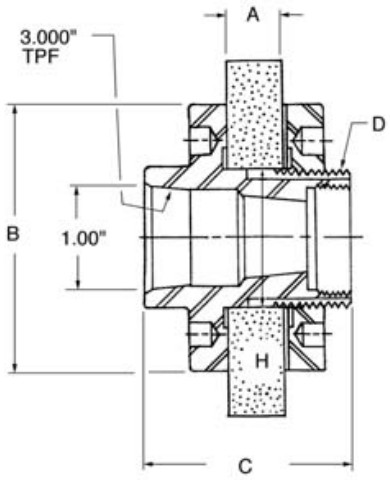


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250
00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250

Electroless nickel plating available on all Sopko adapters at additional cost.
*Balancing style adapter.

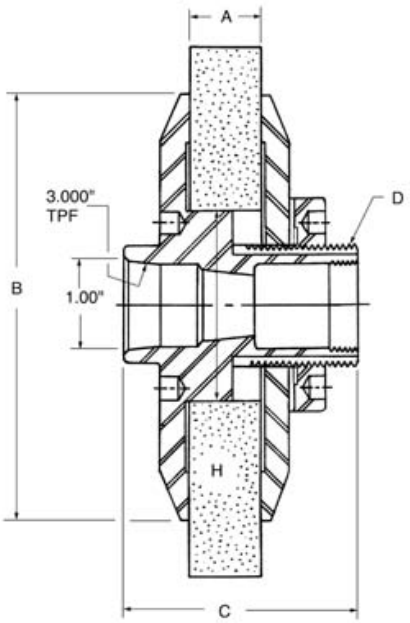


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Standard Taper Wheel Adapters
With 3/32” Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



00719



00716



00721

Note: 3/32" Keyway in small end of taper only

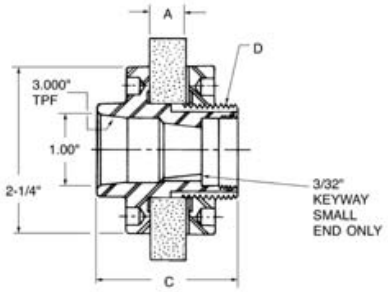


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	F
00716	1	U200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00717**	1	BU200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00718	1	U200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00719	2	U200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00720	2	U200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00721	2	U200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00423	2	U200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16
00722	1	U300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00709	1	U300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00723	1	U300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00193**	1	BU300-1	3/4 to 1	2-1/4	1-1/4-16LH	-

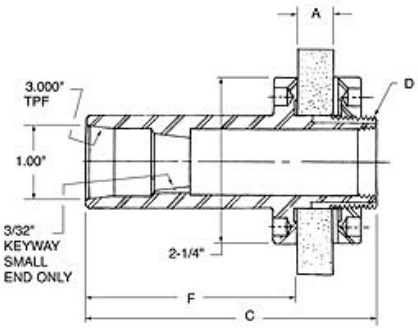


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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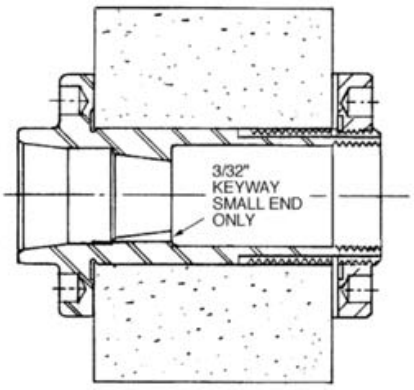
Standard Taper Wheel Adapters
With 3/32” Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250” ID WHEELS.



Note: 3/32" Keyway in small end of taper only

00725



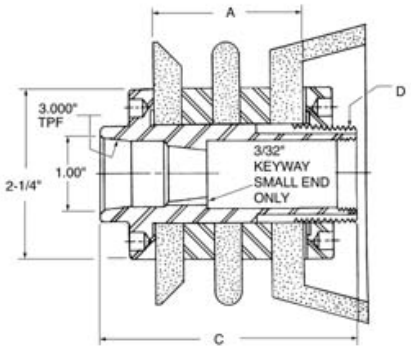


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00724	1	U400-1A	2	3-3/16	1-1/4-16LH
00725	1	U400-1B	1 to 2	3-3/16	1-1/4-16LH
00726	1	U400-2A	2	3-3/16	1-1/4-16RH
00727**	1	BU400-1B	1 to 2	3-3/16	1-1/4-16LH
00728	1	U500-1A	3	4-3/16	1-1/4-16LH
50320	1	U500-2A	3	4-3/16	1-1/4-16RH
00729	1	U500-1B	2 to 3	4-3/16	1-1/4-16LH
00730	1	U600-1A	4	5-3/16	1-1/4-16LH
00606	1	U600-1B	3 to 4	5-3/16	1-1/4-16LH
00732	2	U330-1	3/4 to 1	2-1/4	1-1/4-16LH
00733	2	U430-1A	2	3-1/4	1-1/4-16LH
00734	2	U430-1B	1 to 2	3-1/4	1-1/4-16LH

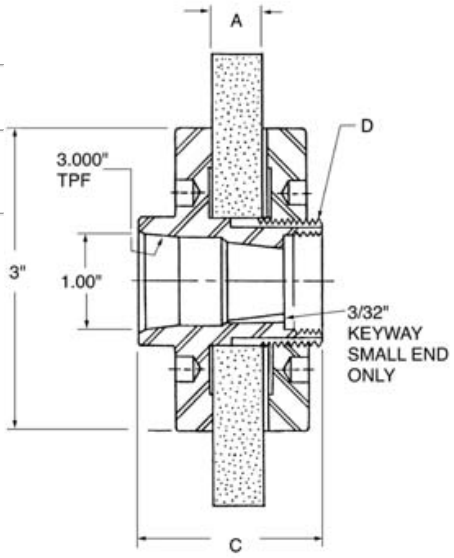


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Tool & Cutter Grinders
Manufactured by Jungner.

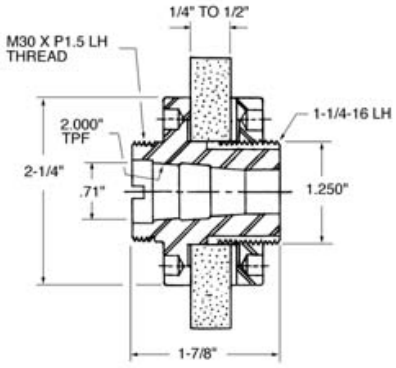
2.000" TPF WITH .71" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Jungner 450 CNC tool and cutter grinder adapter.

SOPKO CATALOG NO.

00690





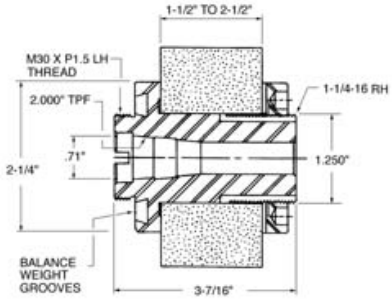
00690
(Taper Side)

Jungner 450 CNC tool and cutter grinder adapter is furnished with a three piece steel balancing weight set 00848.

SOPKO CATALOG NO.

50130





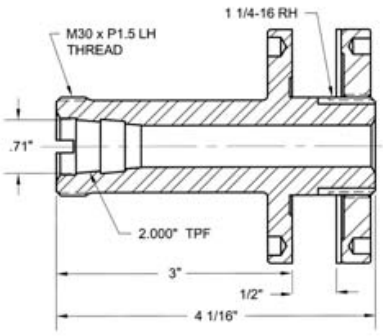
50130

Jungner 450 CNC tool and cutter grinder extended adapter.

SOPKO CATALOG NO.

50353





50353

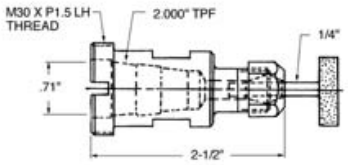
Jungner 450 CNC tool and cutter grinder collet chuck arbor.
Furnished with 4000 series nut and 1/4” collet.*
A 13/16” wrench flat on the body makes installation and removal easy.

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SOPKO CATALOG NO.
29911







* See page 97 for addtional 4000 series collets.

29911

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Flute Grinders Manufactured by Hertlein Special Tool Co., Mt. Vernon, NY.

3.000" TPF WITH 1.63" DIAMETER AT LARGE END OF TAPER.
FOR 12.000" ID WHEELS.

Starting with a precision ground internal taper, this Sopko bolt-on flange balancing adapter offers today's Hertlein CO-100 grinding professional the best in quality features. Two precisely ground flanges provide identical load-bearing surfaces for reliable grinding wheel lock and to maximize spindle driving torque. Made from pre-hardened alloy steel and finished with black oxide, the adapter is furnished with a bronze balancing weight set 00849.



(Front Side)



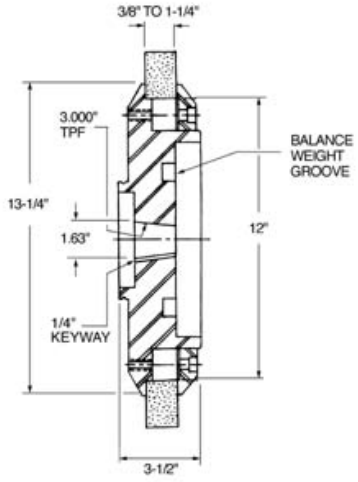
(Taper Side)

50182



01809

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OPTIONAL SOCKET HEAD CAP SCREW SETS. *

WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
3/8 to 3/4	01809	3/8-16X1-3/4	8
1 to 1-1/4	01810	3/8-16X2-1/4	8

* Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Clausing 1020, 4020, Covel 35, Covel 35B, Ingersoll Milling Co. and Brown & Sharpe No. 5 Grinders.

1:5 TAPER RATIO, 3.500" TPF AND 3.000" TPF, WITH 1.03", 1.31" AND 1.50" DIAMETER AT LARGE END OF TAPER. FOR 1.25O", 2.000" AND 3.000" ID WHEELS.

FOR CLAUSING 1020 GRINDERS.

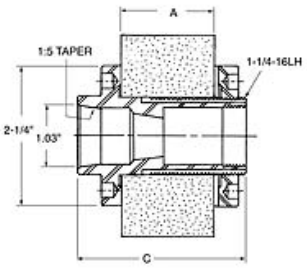
SOPKO CATALOG NO.	DIMENSIONS A	C
00473	2	3-3/16
00474*	3	4-3/16



00473



00474



* Balancing style adapter.

FOR CLAUSING 4020, COVEL 35, AND COVEL 35B GRINDERS.

SOPKO CATALOG NO.	SOPKO PART NO.
00693	17-17H

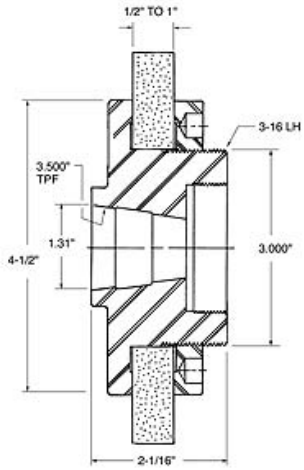


(Front Side)

00693



(Taper Side)



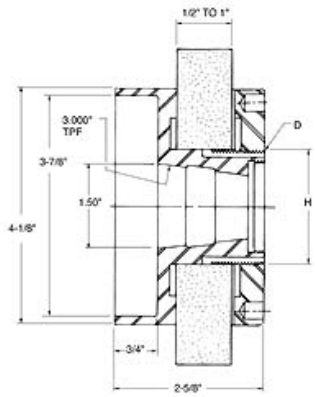
Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

These shrouded adapters, for Brown & Sharpe No. 5 surface grinders and the Ingersoll Milling Machine grinders, feature a 3/4" deep shroud that surrounds the wheelhead spindle nose and provides optimum protection against contamination. Fully HEAT TREATED, you can expect years of performance and with standard features like PRECISION GROUND TAPERS, and CONCENTRICALLY GROUND AND SQUARE surfaces, you're assured of optimum cutting conditions too.





(Front Side) **00182** **(Taper Side)**



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		D	H
00182	23-1569	2-16LH	2.000
00183*	25-1569	3-16LH	3.000

* Most popular.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

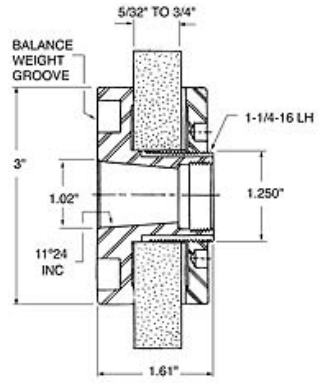
CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Kent and Norton Grinders.

11° 24' INC ANGLE TAPER AND 3.500" TPF WITH 1.02" AND 1.50" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 3.000" ID WHEELS.

The 05255 KENT BALANCING ADAPTER is furnished complete with a three piece bronze weight set 00835. Note*, some Kent grinders feature a 3.000" TPF with 1.00" diameter at the large end of taper.





SOPKO CATALOG NO.
05255

05255

*See standard taper (3.000" TPF) adapters on page 4 to 30.

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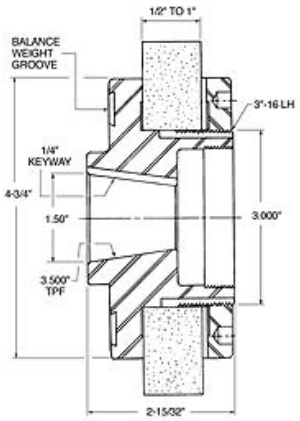
The 00824 (WSG824) BALANCING ADAPTER FOR THE NORTON S-3 GRINDER will also fit the Worcester Surface Grinder and the Warner and Swasey 8x24 grinder. The adapter is furnished complete with a three piece steel balancing weight set 00836.



(Front Side)



00824 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.
00824	WSG824

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Jones & Shipman Grinders.

15° INC ANGLE TAPER AND 3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Jones & Shipman 540 and 1400 series surface grinder adapters feature a 15° INC** high quality PRECISION GROUND TAPER for exceptional spindle engagement. Added value is achieved with CONCENTRICALLY GROUND AND SQUARE SURFACES along with THREAD GROUND OD threads to optimize cutting conditions and prolong wheel life. All adapter hubs are CARBURIZED AND HARDENED for durability.

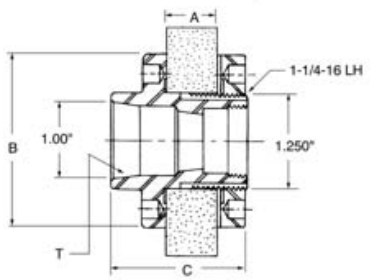


05314

SOPKO CATALOG NO.	DIMENSIONS			
	A	B	C	T
50136	1/4 to 3/4	2-1/4	1-7/8	15° INC **
50137	1/4 to 1/2	2-1/4	1-3/4	15° INC **
50111	1/2	3	1-3/4	15° INC **

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05314	1/4 to 1/2	2-1/4	1-3/4	3.000 *

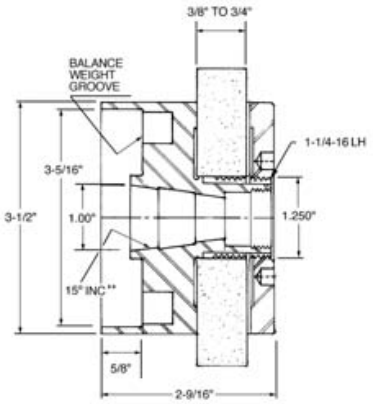


* Any 3.000" TPF, 1.00" LE adapter can be altered to taper length of 1-3/16".
** Europe and Canada only.

Now you can protect the wheelhead spindle from the harsh realities of heat, swarf, and high pressure coolants with these quality Jones & Shipman 540 and 1400 series shrouded adapters. From taper to finish Sopko has designed these shrouded adapters for performance with standard features like:

- High Quality Internal Tapers.
- Thread Ground OD threads.
- Heat Treated Component Parts.
- Concentric and Square Ground Surfaces.
- Black Oxide finish.





SOPKO CATALOG NO.
00647†
00907

00647

** Europe and Canada only.
† Includes three piece bronze balancing weight set 00861.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

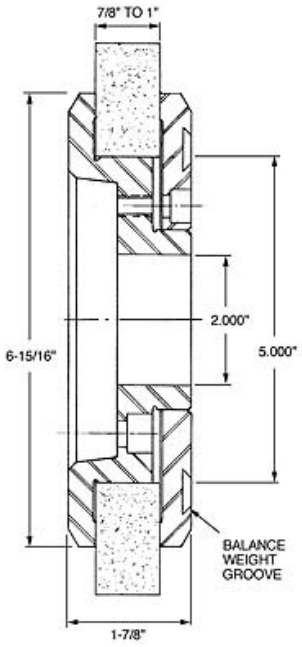
Wheel Adapters for Jones & Shipman Grinders.

FOR 13° 43' 08" INC ANGLE TAPER* AND 2" STRAIGHT BORE WITH 1.605" DIAMETER AT LARGE END OF TAPER. FOR 5.000" ID WHEELS.

A tradition of quality manufacturing makes this Jones and Shipman series 1076 straight bore bolt-on flange balancing adapter an outstanding value. Two precison ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, the adapter is furnished with a three piece steel balancing weight set 00859, three 5/16-18RH x 1/2" SHCS 05941 flange bolts.

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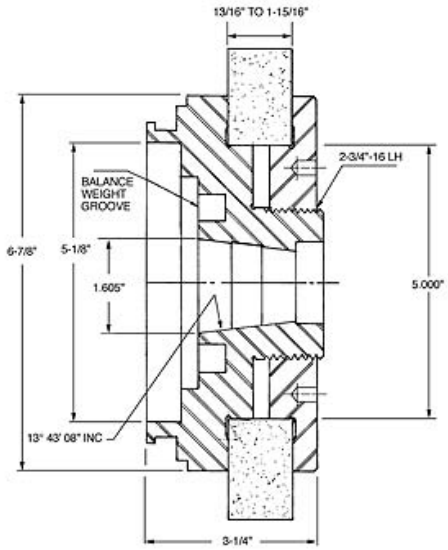
SOPKO CATALOG NO.

01195

01195
(Front Side)

This premium quality Jones & Shipman series 1310 universal cylindrical grinder balancing adapter features the highest quality 13° 43' 08" INC angle internal taper for precise spindle mounting and pre-heat treated hubs and nuts for strength and long life. Precision ground surfaces and thread ground threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes. Adapter furnished with three piece bronze balancing weight set 00861.





SOPKO CATALOG NO.

01836

01836
(Taper Side)

*Europe and Canada only.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Okamoto DX Series Grinders.

3.000" TPF AND 1:5 TAPER RATIO WITH 1.00" AND 1.75" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 5.000" ID

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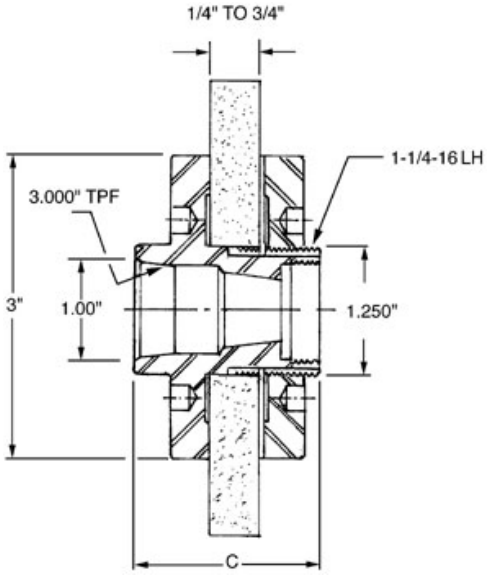
Standard adapter for 6.18DX and 8.20DX saddle type surface grinders.

SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS C
00129	A521	1-15/16
02681*	-	2-3/64

* Balancing style adapter includes weight set 00862.



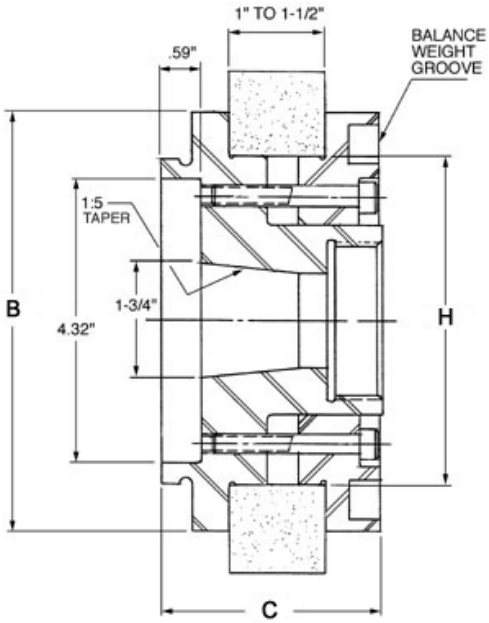
00129



Bolt-on flange balancing adapter for 12.24DX, 16.24DX, 16.32DX, 20.24DX, 20.36DX and 20.40DX saddle type surface grinders.



00636



SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS B	C	H
00908†	A621-3	5	3-1/4	3.000
00636**	A621-5	6-3/8	3-3/8	5.000

† Includes balancing weight set 00831 and 6 piece SHCS set 00614.
** Includes balancing weight set 00864 and 6 piece SHCS set 00614.



OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
00636	27MM to 38MM (1" to 1.50")	01834	5/16-18 X 2-1/4	6
00908	1"	00614	5/16-18 X 1-1/4	6
	1-1/2"	00615	5/16-18 X 1-1/2	6

** Includes balancing weight set 00864.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

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Pope Style Wheel Adapters.*

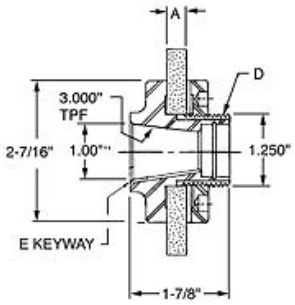
3.000” TPF and 4.500” TPF WITH 1.00" AND .87" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Balancing, non-balancing, and shrouded type adapters are available for Pope Precision spindles. Made from 32 Rc alloy steel, these Pope style adapters feature concentric and square ground surfaces for optimum surface finishes. Thread ground OD threads assure safe, square wheel locking conditions and precisely ground internal tapers offer reliable spindle engagement.

SOPKO CATALOG NO.	POPE PART NO.	DIMENSIONS		
		A	D	E
00534	WS-100-1	1/4 to 3/4	1-1/4-16LH	-
00535	WS-100-2	1/4 to 3/4	1-1/4-16RH	-
00536	-	1/4 to 3/4	1-1/4-16LH	3/16
00537	-	1/4 to 3/4	1-1/4-16RH	3/16



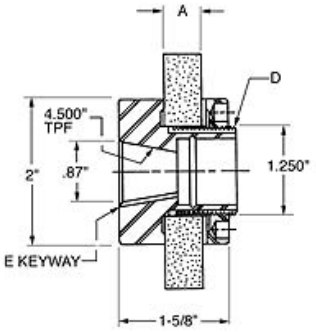
00534



SOPKO CATALOG NO.	DIMENSIONS		
	A	D	E
00529	1/8 to 5/8	1-1/4-16LH	3/16
00530	1/8 to 5/8	1-1/4-16RH	3/16
00531	1/4 to 5/8	1-1/4-16RH	1/8
00532	1/8 to 5/8	1-1/4-16LH	-
00533	1/8 to 5/8	1-1/4-16RH	-



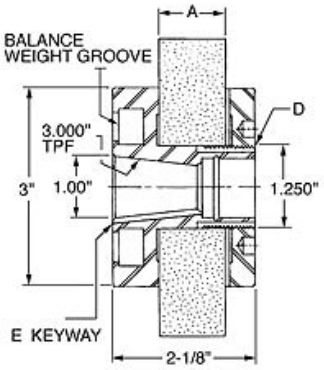
00529



SOPKO CATALOG NO.	POPE PART NO.	DIMENSIONS		
		A	D	E
00542	WS-330-1	1/4 to 1	1-1/4-16LH	-
00543	WS-330-2	3/4 to 1	1-1/4-16RH	-
00544	-	3/4 to 1	1-1/4-16LH	3/16
00545	-	3/4 to 1	1-1/4-16RH	3/16
00827	Set of three hex weights for 00542, 00543, 00544, and 00545 balancing adapters.			



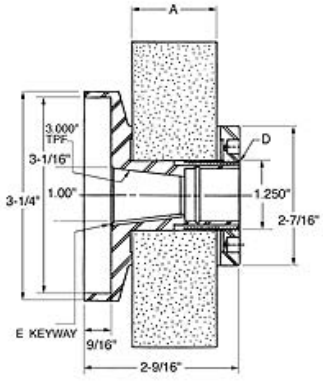
00542



SOPKO CATALOG NO.	DIMENSIONS		
	A	D	E
00546	5/8 to 1-1/4	1-1/4-16RH	1/8
00538	5/8 to 1-1/4	1-1/4-16LH	3/16
00539	5/8 to 1-1/4	1-1/4-16RH	3/16
00540	5/8 to 1-1/4	1-1/4-16LH	-
00541	5/8 to 1-1/4	1-1/4-16RH	-

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00538

* Lock ring 04278 is not included with any adapter listed on this page.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.25” AND 1.50" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000”, AND 5.000” ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01312
(Front Side)



01316
(Taper Side)

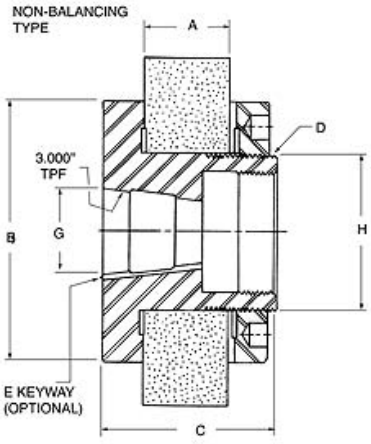


FIG. 1

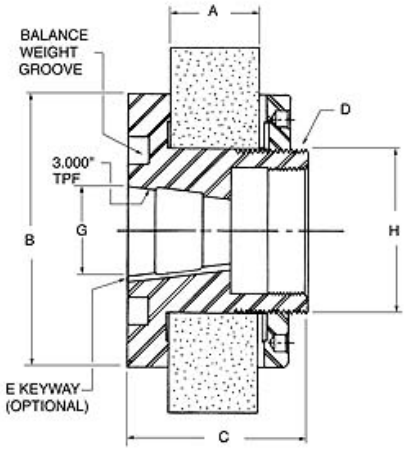


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
01312	1	5/8 to 1	3-1/2	2	2-18RH	1/4	1.25	2.000
01313	2	1/2 to 1	4-1/4	2-5/8	2-16RH	1/4	1.25	2.000
01316	2	1/2 to 1	4-1/4	2-3/4	3-16RH	1/4	1.25	3.000
01317	2	1/2 to 1	4-1/4	2-3/4	3-16LH	1/4	1.25	3.000
01318	2	3/4 to 2	5	3-3/8	3-16LH	-	1.50	3.000
01319	2	3/4 to 2	5	3-3/8	3-16RH	-	1.50	3.000
01320	2	1	6	3-3/8	4-16LH	-	1.50	4.000
01321	2	1	6	3-3/8	4-16RH	-	1.50	4.000
01322	2	3/4 to 2	7	3-3/8	5-16LH	-	1.50	5.000
01323	2	3/4 to 2	7	3-3/8	5-16RH	-	1.50	5.000

00838	Three piece bronze balancing weight set for 01318, 01319, 01320, 01321, 01322, 01323
00830	Three piece bronze balancing weight set for 01312, 01316, 01317.
00832	Three piece bronze balancing weight set for 01313.

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All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.



00830

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000", AND 5.000" ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01337

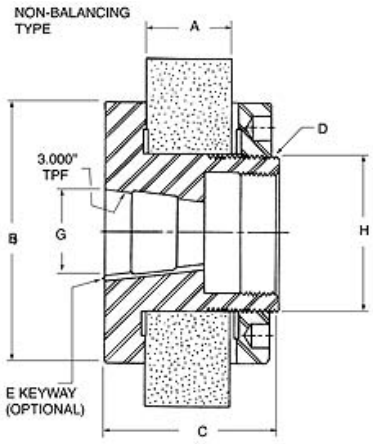


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
50328	2	1 to 1-1/2	5	3-1/4	3-16LH	1/4	1.62	3.000
01330	2	1-1/4 to 2	5	3-9/16	3-16LH	1/4	1.62	3.000
01324	2	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01325	1	1-1/4 to 2	5	3-9/16	2-16LH	1/4	1.62	2.000
01326	1	1-1/4 to 2	5	3-3/8	3-16RH	1/4	1.62	3.000
01327	2	3/4 to 2	5	3-3/8	3-16LH	-	1.62	3.000
01328	2	3/4 to 2	5	3-3/8	3-16RH	-	1.62	3.000
01329	1	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01332 *	2	1-1/4 to 2	7	3-9/16	3-16LH	1/4	1.62	3.000
01331 *	2	1-1/4 to 2	7	3-9/16	3-16RH	1/4	1.62	3.000
01333	2	3/4 to 2	6	3-3/8	4-16LH	-	1.62	4.000
01334	2	3/4 to 2	6	3-3/8	4-16RH	-	1.62	4.000
01335	2	3/4 to 2	7	3-3/8	5-16LH	-	1.62	5.000
01336	2	3/4 to 2	7	3-3/8	5-16RH	-	1.62	5.000
01337	2	1 to 2-1/2	5	4-1/4	3-16RH	1/4	2.25	3.000
01338	2	1 to 2-1/2	5	4-1/4	3-16LH	1/4	2.25	3.000
01339 *	2	1 to 2-1/2	7	4-1/4	3-16RH	1/4	2.25	3.000
01340 *	2	1 to 2-1/2	7	4-1/4	3-16LH	1/4	2.25	3.000

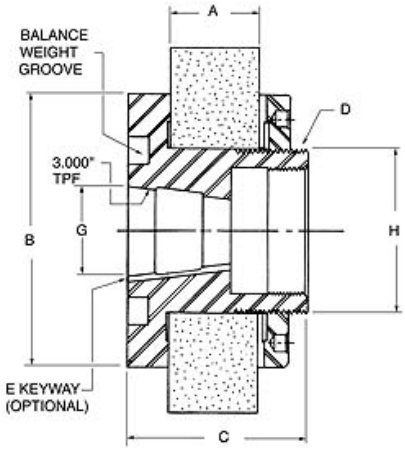


FIG. 2

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00831	Three piece bronze balancing weight set for 01324, 01330, 01331, 01332, 01337, 01338, 01339, 01340.
00834	Three piece bronze balancing weight set for 01326.



00831

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* 5" diameter nut.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 5.000" AND 8.000" ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use.



01342

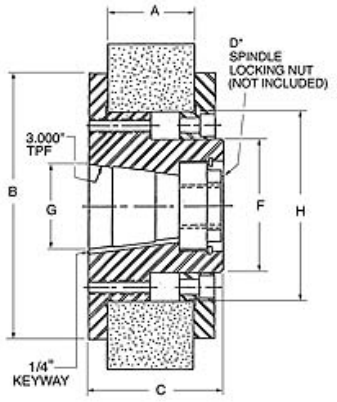


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS A	B	C	D*	F	G	H	SNAP RING
01341	1	3/4 to 1-1/2	7	2-9/16	3/4-16	3-1/2	1.62	5.000	04248
01357	1	1 to 2-1/2	7	3-9/16	1-1/8-12	3-1/2	2.25	5.000	04358
01342	2	3/4 to 1-3/4	7	2-13/16	3/4-16	3-5/8	1.62	5.000	01830
01343	2	1 to 2-1/2	7	3-9/16	1-1/8-12	3-5/8	2.25	5.000	01830
01344	2	1-3/4 to 3	10	4-1/16	1-1/8-12	4	2.25	8.000	01830

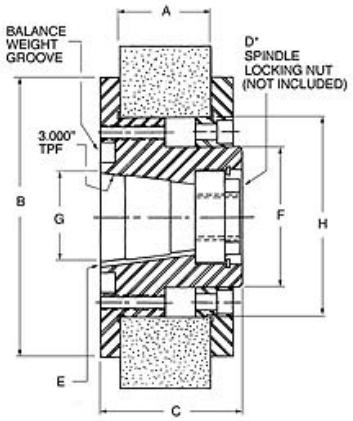


FIG. 2

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01341	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
01342	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4

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	1-1/2 to 1-3/4	01797	3/8-16X2-1/4	4
	1 to 1-1/2	01798	3/8-16X1-1/2	4
01343	1-3/4 to 2	01797	3/8-16X2-1/4	4
01357	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	1-3/4 to 2	01797	3/8-16X2-1/4	4
01344	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	2-3/4 to 3	01800	3/8-16X3-1/4	4



01797

00828	Three piece bronze balancing weight set for 01342 and 01343.
00826	Three piece bronze balancing weight set for 01344.



00828

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 3.000" AND 5.000" ID WHEELS.



01353
(Front Side)



01351
(Taper Side)

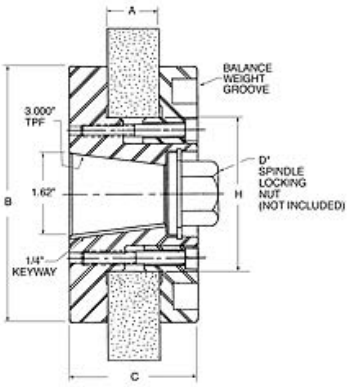


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS			
		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

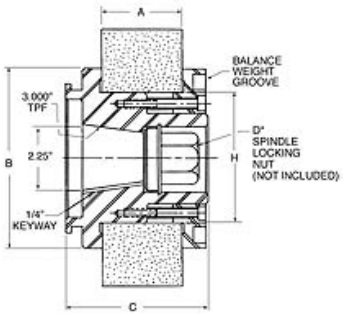


FIG. 2

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OPTIONAL SOCKET HEAD CAP SCREW SETS.

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.
00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

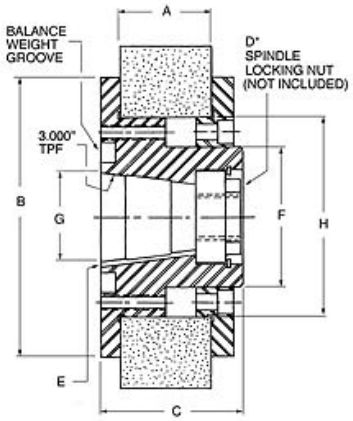
Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000" TPF WITH 2.62", 3.00" AND 3.75" DIAMETER AT LARGE END OF TAPER.
FOR 5.000", 8.000" AND 12.000" ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use. And of course, the high quality internal taper is unsurpassed for precision spindle mounting.



01345



SOPKO CATALOG NO.	DIMENSIONS								SNAP RING
	A	B	C	D*	E	F	G	H	
01345	1-1/2 to 2-3/4	7	4-3/16	1-1/2-12	1/4	3-5/8	2.62	5.000	01830
01346	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	2.62	12.000	01830
01347	1-3/4 to 3	7	4-11/16	1-1/2-12	1/4	3-5/8	3.00	5.000	01830

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01348	1-3/4 to 3	10	4-5/16	1-1/2-12	1/4	5-1/2	3.00	8.000	01830
01349	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	3.00	12.000	01830
01350	2-1/4 to 4	10	5-1/2	2-1/4-12	3/8	5-1/2	3.75	8.000	04331



01801

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01345	1-1/2 to 2	01801	3/8-16X2-1/2	4
	2-1/4 to 2-3/4	01800	3/8-16X3-1/4	4
01346	1-3/4 to 2-1/4	01811	3/8-16X3	6
01347	2-1/2 to 3	01802	3/8-16X3-1/2	4
01349	6			
01348	1-3/4 to 2-1/4	01803	1/2-13X3	6
	2-1/2 to 3	01804	1/2-13X3-1/2	6
	2-1/4 to 2-3/4	01805	1/2-13X2-1/2	6
01350	3 to 3-1/2	01806	1/2-13X3-1/4	6
	4	01807	1/2-13X4	6



00829

00829	Three piece bronze balancing weight set for 01346 and 01349.
00826	Three piece bronze balancing weight set for 01345, 01347, 01348, and 01350.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Heald Sleeve Style Internal Grinding Spindles.

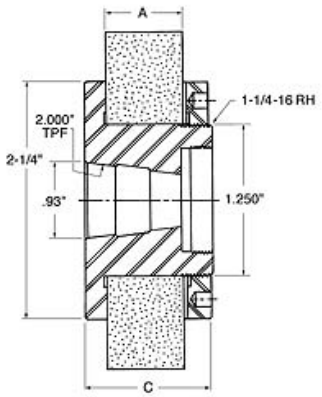
2.000" TPF AND 3.000" TPF WITH .60", .93", 1.25", 1.63", 2.00", AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 0.875", 1.250", 1.500", 2.500", 2.750", AND 3.000" ID WHEELS.



00653



00654

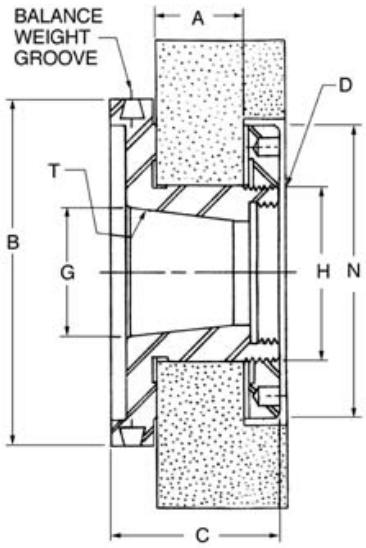


SOPKO CATALOG NO.	HEALD PART NO.	DIMENSIONS A	DIMENSIONS C	WHEEL HEAD SERIES
00653	H405-500	1/2	1-11/16	405
00654	H405-1000	1	2-3/16	405

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50065



SOPKO CATALOG NO.	HEALD PART NO.	DIMENSIONS							WHEEL HEAD T	WHEEL HEAD SERIES
		A	B	C	D	G	H	N		
00655	7-4946A	1-1/4	2	2-1/8	7/8-16RH	.60	0.875	1-5/8	2.000 TPF	403
00657	7-7757A	1	2-1/2	1-11/16	1-1/2-16RH	.93	1.500	2-1/2	2.000 TPF	405
00656	7-4927A	1	2-5/8	1-15/16	1-1/2-16RH	.93	1.500	2-5/8	2.000 TPF	405
00658	7-4908A	1-1/4	3-3/8	2-1/4	2-16RH	1.25	2.500	3-3/8	3.000 TPF	407
00659	7-4935A	1-1/4	3-7/8	2	2-1/8-16RH	1.63	2.500	3-7/8	3.000 TPF	409
00660	7-5025A	1	5-1/8	1-7/8	2-3/4-16RH	2.00	2.750	5-1/8	3.000 TPF	411
50065 *	7-5022A	1-1/2	6	2-3/4	3-16RH	2.25	3.000	4-7/8	3.000 TPF	413

00841	Three piece steel weight set for 00655.	00845	Three piece steel weight set for 00659.
00842	Three piece steel weight set for 00656.	00846	Three piece steel weight set for 00660.
00843	Three piece steel weight set for 00657.	00847	Three piece steel weight set for 50065.
00844	Three piece steel weight set for 00658.		



00847

All balancing style adapters include the three piece steel balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 82 for adapter puller.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.

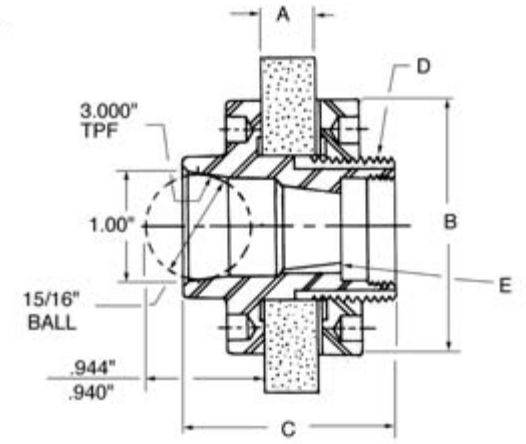


FIG. 1

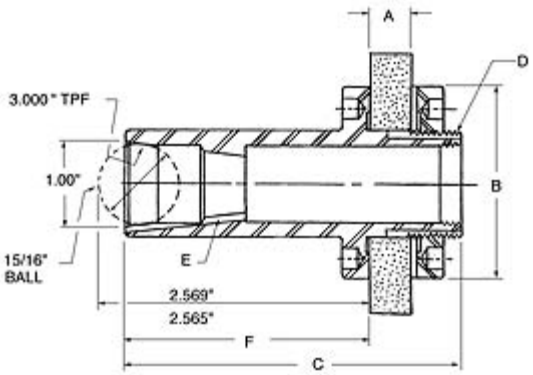


FIG. 2



00739



00738



00737

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32

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00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268** 00269***	2 2	200-1LH-1-5/8BALL AN200-1LH1-5/8BALL	1/4 to 1/2 1/4 to 1/2	2-1/4 2-1/4	3-3/8 3-3/8	1-1/4-16LH 1-1/4-16LH	- 3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

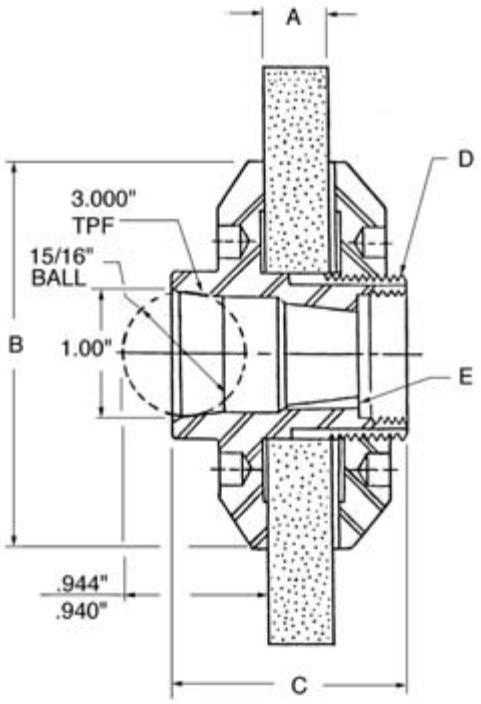


FIG. 3

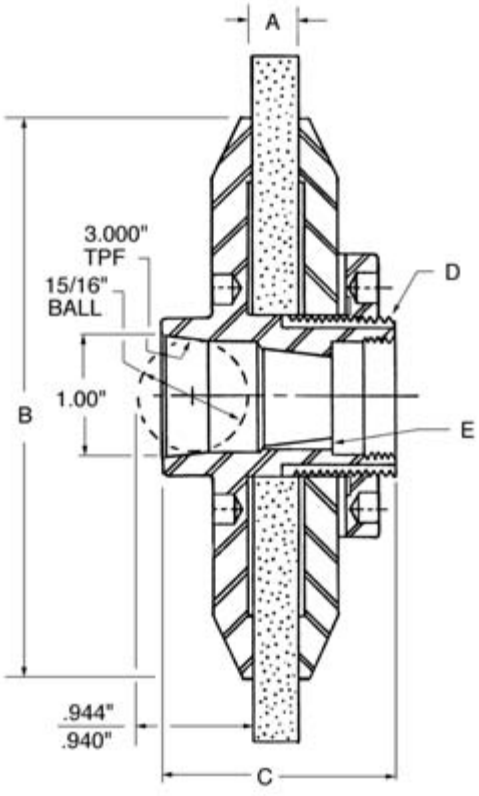


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

How did we create the Sopko legacy? Attention to detail and an unremitting commitment to quality that generations of grinding professionals have come to know as the unmatched standard of the industry. Today, customers are still asking for value, performance, and precision.
It's been nearly 50 years; we're still listening.

- HIGH QUALITY INTERNAL TAPERS for precision mounting.
- THREAD GROUND OD THREADS for maximum concentricity and squareness.
- HEAT TREATED COMPONENT PARTS for strength and reliability.
- CONCENTRIC and SQUARE GROUND SURFACES for better workpiece finishes.
- BLACK OXIDE FINISH to protect your investment.



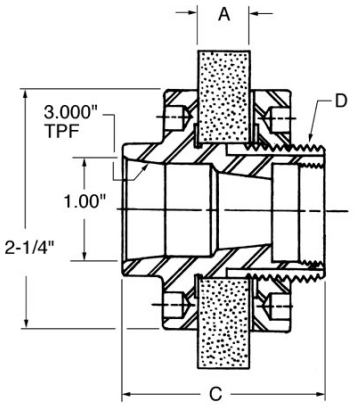


FIG. 1

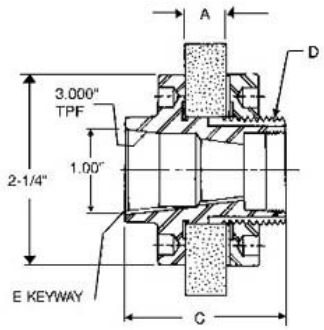


FIG. 2

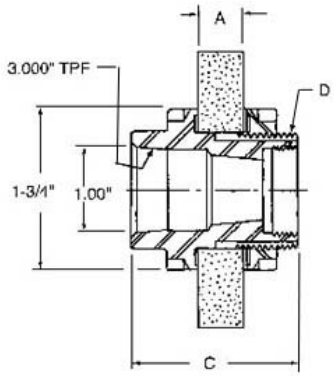


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	E
00100	1	100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00102	1	100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00105	1	100-1C	3/4	1-7/8	1-1/4-16LH	-
00101*	2	AN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	3/16
50183*	2	AN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	3/16
00112	2	KW100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	1/8
00200	1	200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00202	1	200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00208	1	K200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00216	1	K200-2	1/8 to 1/2	1-3/4	1-1/4-16RH	-
00217	1	200-1C	1/2	1-3/4	1-1/4-16LH	-
00201*	2	AN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00225*	2	AN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00226	2	KW200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	1/8
00227	2	KW200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	1/8
00300	1	300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00303*	2	AN-300-1	3/4 to 1	2-1/4	1-1/4-16LH	3/16
00308*	2	AN-300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00302	1	300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00301	1	300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00304	1	300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00305	1	300-1C	1	2-1/4	1-1/4-16LH	-
00306	1	300-2C	1	2-1/4	1-1/4-16RH	-
00307	1	R300-2B	1/2 to 1-1/2	2-11/16	1-1/4-16RH	-
50319	2	KW300-1	3/4 to 1	2-1/4	1-1/4-16LH	1/8
00686	2	KW300-2	3/4 to 1	2-1/4	1-1/4-16RH	1/8
00207	3	X200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00245	3	X200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-

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*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

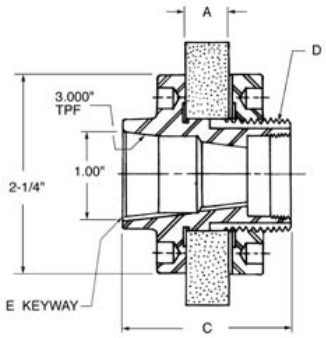
Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.



00345 **00348** **00366**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSION A	C	D	E
00345	EN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00346	EN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00347	EN100-1C	3/4	1-7/8	1-1/4-16LH	-
00348	EN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00349	EN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00350*	ENA200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00351*	ENA200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00352**	ENK200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00353**	A2031-1	1/8 to 5/8	1-3/4	1-1/4-16LH	-
00355	EN200-1C	1/2	1-3/4	1-1/4-16LH	-
00364	EN300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00365	EN300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00368	EN300-1C	1	2-1/4	1-1/4-16LH	-
00369	EN300-2C	1	2-1/4	1-1/4-16RH	-
00356	A2031-2	3/8 to 1	2-1/4	1-1/4-16LH	-
00366	EN300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00367	EN300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00370	A2031-5	3/8 to 1-1/2	2-11/16	1-1/4-16LH	-



Electroless nickel plating available on all Sopko adapters at additional cost.
*Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.
** Keyway to face.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters With Ball Location.

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3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.



00739



00738



00737

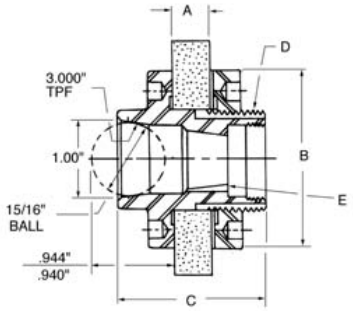


FIG. 1

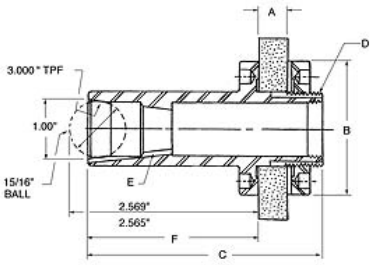


FIG. 2

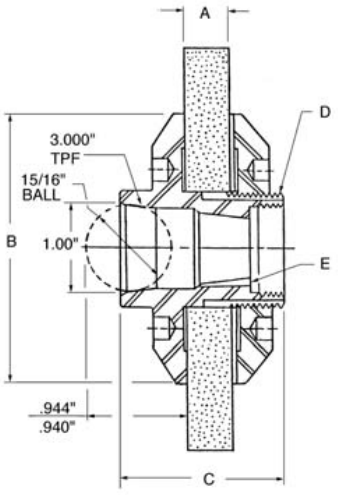


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

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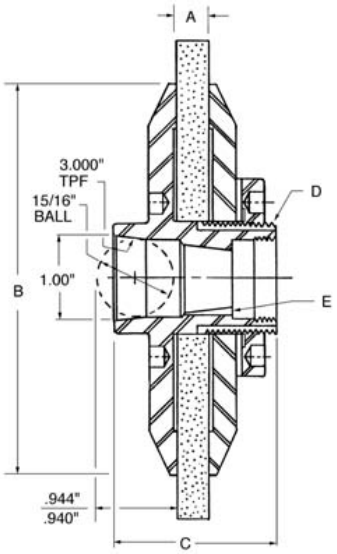


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Pin Slot Wheel Adapters for Reversing Spindles.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.

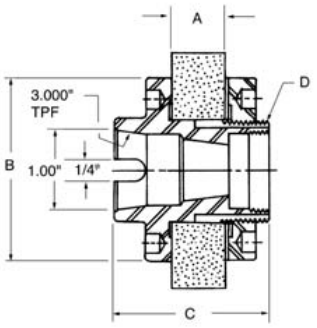


FIG. 1



00094



00275



00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F
00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-

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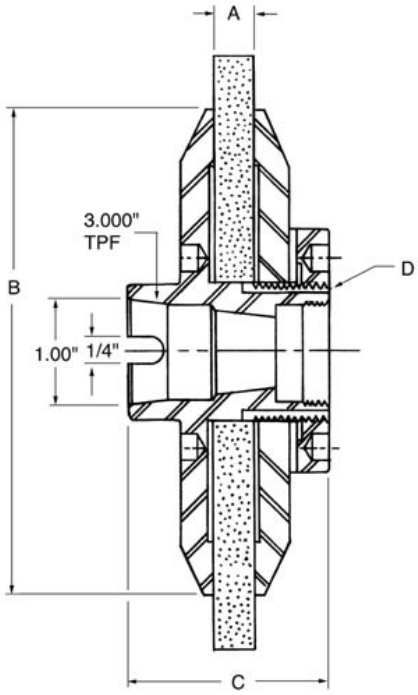


FIG. 2

00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

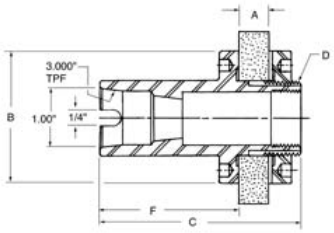


FIG. 3

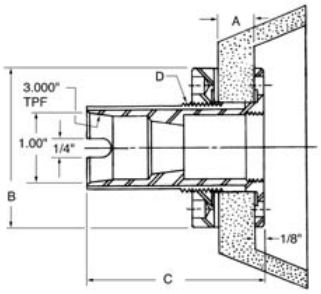


FIG. 4

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Grinding Machines Manufactured by ANCA, Victoria, Australia.

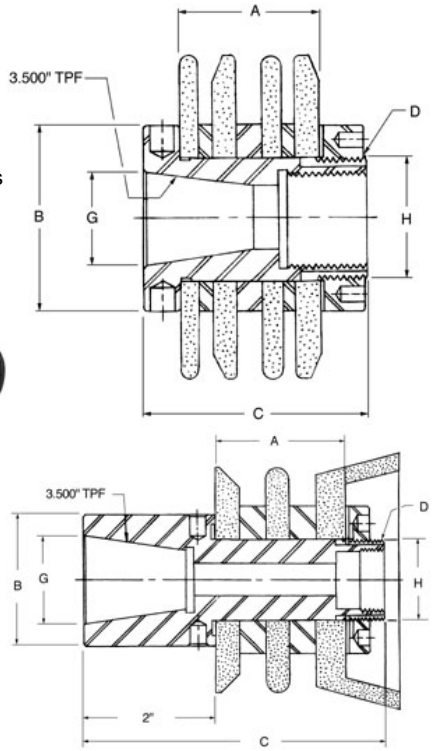
3.500" TPF WITH 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 2.000" ID WHEELS.

Sopko quality Anca FASTGRIND adapters are made for the operator expecting the highest standard of performance required by today's fast set-up times and short production runs. Sopko assures this standard with quality features like PRECISION GROUND TAPERS for reliable spindle mating and CONCENTRICALLY GROUND AND SQUARE surfaces to optimize cutting conditions and prolong wheel life. Hub

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OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these FASTGRIND adapters because Sopko HEAT TREATS every one. Every Anca adapter is furnished complete with a spindle mounting bolt, lock washer and recessed washer.





SOPKO CATALOG NO.	FIG.	ANCA PART NO.	DIMENSIONS A	B	C	D	G	H	MACHINE
00625	1	AT902-0-00-5026	1-1/8 to1-1/4	3	2-3/16	2-16RH	1.38	2.000	TG7/DM7
00626	1	AT902-0-00-5027	1-7/8 to 2	3	2-31/32	2-16RH	1.38	2.000	TG7/DM7
50063	1	-	2-5/8	3	3-9/16	2-16RH	1.38	2.000	TG7/DM7
00823	1	AT937-0-00-1009	3-1/4	3	4-1/8	2-16RH	1.38	2.000	TG7/DM7
00627	1	-	3-3/8 to 3-1/2	3	4-3/8	2-16RH	1.38	2.000	TG7/DM7
00822	1	AT937-0-00-1010	4-3/8	3	5-5/16	2-16RH	1.38	2.000	TG7/DM7
50163	2	AT902-0-01-5037	2	2	4.613	1-1/4-16RH	1.38	1.250	TG7/DM7
00628	1	AT913-0-00-1024	1-1/8	1-31/32	1-31/32	1-1/4-16RH	1.02	1.250	MG7/RG7
00629	1	AT913-0-00-1025	1-7/16 to 1-1/2	1-31/32	2-3/8	1-1/4-16RH	1.02	1.250	MG7/RG7
50186	1	-	2-1/8	1-31/32	3-1/32	1-1/4-16RH	1.02	1.250	MG7/RG7
50187	1	-	2-5/8	1-31/32	3-1/2	1-1/4-16RH	1.02	1.250	MG7/RG7
50188	1	-	3-1/8	1-31/32	4	1-1/4-16RH	1.02	1.250	MG7/RG7
50350*	1	-	2-1/2	3	3-7/16	2-16RH	1.02	2.000	MG7/RG7
00496**	1	AT913-2-00-1010	1-1/2 to 1-3/4	1-31/32	2-5/8	1-1/4-16RH	1.02	1.250	RGX
00521***	1	AT913-2-00-1020	2 to 2-1/2	1-31/32	3-19/64	1-1/4-16RH	1.02	1.250	RGX
00398***	1	AT913-2-00-1030	2-5/8 to 3	1-31/32	3-13/16	1-1/4-16RH	1.02	1.250	RGX
00879***	1	AT913-2-00-1040	3 to 3-3/8	1-31/32	4-7/32	1-1/4-16RH	1.02	1.250	RGX

* Allows use of 2" ID wheels on MG7/RG7 machines.

** Includes two 5MM spacers 01305, one 10MM spacer 01310, and bi-directional nut 00067.

*** Includes two 5MM spacers 01305, two 10MM spacers 01310, and bi-directional nut 00067.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for CNC Tool & Cutter Grinders
Mfg. by Strausak Corporation, Lohn, Switzerland.

11° 25' 16" INC ANGLE TAPER WITH 30MM (1.18") DIAMETER AT LARGE END OF TAPER.
FOR 38MM (1.496") AND 1.250" ID WHEELS.

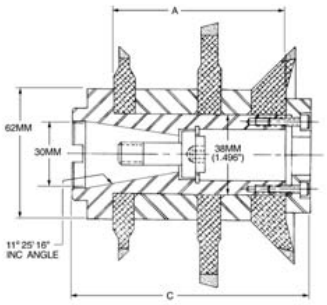
You need adapters that can handle the demanding applications that the Strausak Ecoflex CNC Tool & Cutter Grinder was designed to provide. Engineered specifically for the double ended spindle geometry of the Ecoflex system, Sopko adapters feature a bolt-on flange design that secures the wheel-pack regardless of spindle rotation. A pin-slot at the large end of the taper provides positive hub engagement for bi-directional rotation. Sopko adapters maximize the Strausak Ecoflex performance with precision ground tapers, carburized and hardened component parts for toughness, and ground, square and concentric flange faces that provide identical radial load-bearing surfaces to lock the multi-wheel-pack securely. Adapters are furnished with a M10xP1.5 draw-bolt 00037, bolt-on flange 00607, retaining ring 00486, and six M4xP.70 SHCS 01003 to clamp the flange and wheel-hub together.

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(Front Side) 00383 (Taper Side)



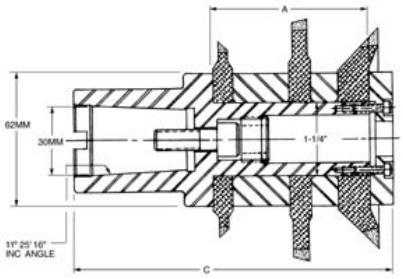
SOPKO CATALOG NO.	STRAUSAK PART NO.	DIMENSIONS	
		A	C
00383	91-12-902	60MM (2.36")	79MM (3.11")
00382	91-12-901	80MM (3.15")	100MM (3.94")

Incorporating all of the quality design features and benefits of the Strausak Ecoflex CNC Tool & Cutter adapters above, these adapters are made for 1-1/4" ID wheels. Now Strausak Ecoflex users have access to the wide variety of "standard bore", 1-1/4" ID, wheels that are available.
Adapters are furnished with a M10XP1.5RH draw-bolt 02723, bolt-on flange 00588, 3/4-16 RH hollow set screw 02630, and six M4XP.70RH SHCS 01003 to clamp the flange and wheel-hub together.





00026 (Front Side) 00645 (Taper Side)



SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00026	60MM (2.36")	120MM (4.72")
00645	80MM (3.15")	141MM (5.55")

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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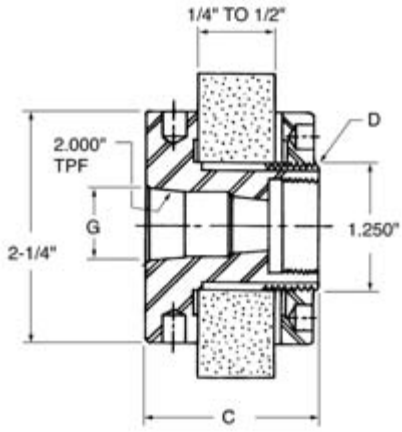
Wheel Adapters for Loewe and Levin Grinders, and Blomback and Fortuna Spindles.

2.000" TPF AND 3.000" TPF WITH .51", .57", AND .70" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The 01022 and 01023 Wheel Adapters are used on the LOEWE TO-525 OPTI-GRIND GRINDER.*



01023



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	G
01022	SA60-1	1-11/16	1-1/4-16LH	0.70
01023	SA60-2	1-11/16	1-1/4-16RH	0.70
01024	S112	1-1/8	1-1/4-16RH	0.51
50267	-	1-1/8	1-1/4-16LH	0.51

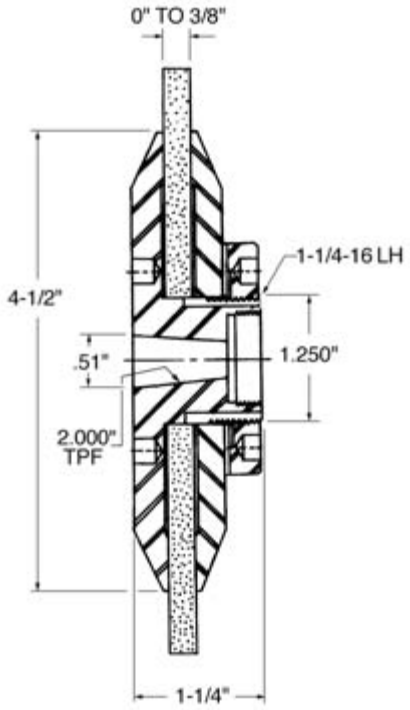
*Used with Blombach and Fortuna spindles.

The Loewe flanged adapter one piece design distributes wheel mounting pressure away from the bore, the weakest part of the grinding wheel. The resulting rigidity and the precision ground flange provides an identical radial load bearing surface for positive wheel lock. Machined from solid alloy steel, all surfaces are ground concentric and square. Completely heat treated, the Loewe flanged adapter is safe to use and maintains its rigidity.



SOPKO CATALOG NO.

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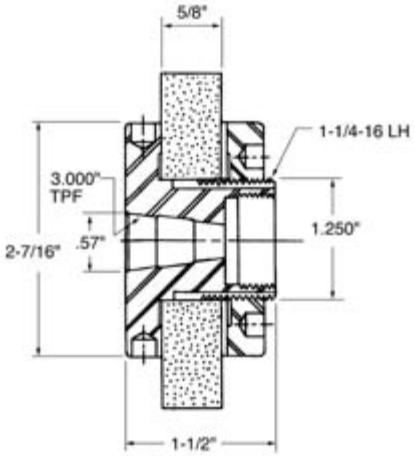


00554

00554

The 01108 Levin adapter features a high quality internal taper for a precision spindle mount and ground OD threads. All surfaces are ground square and concentric for better workpiece finish, and component parts are heat treated for strength and rigidity.





SOPKO CATALOG NO.

01108

01108

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Flute Grinders Manufactured by Hertlein Special Tool Co., Mt. Vernon, NY.

3.000" TPF WITH 1.63" DIAMETER AT LARGE END OF TAPER.
FOR 12.000" ID WHEELS.

Starting with a precision ground internal taper, this Sopko bolt-on flange balancing adapter offers today's Hertlein CO-100 grinding professional the best in quality features. Two precisely ground flanges provide identical load-bearing surfaces for reliable grinding wheel lock and to maximize spindle driving torque. Made from pre-hardened alloy steel and finished with black oxide, the adapter is furnished with a bronze balancing weight set 00849.



(Front Side)

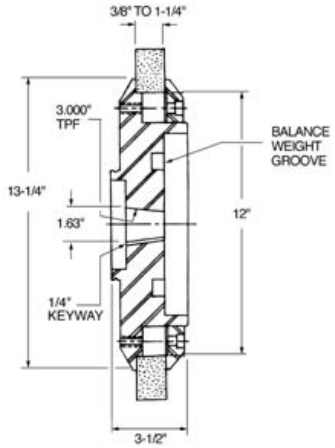
50182



(Taper Side)



01809



OPTIONAL SOCKET HEAD CAP SCREW SETS. *

WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
3/8 to 3/4	01809	3/8-16X1-3/4	8
1 to 1-1/4	01810	3/8-16X2-1/4	8

* Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for CNC Tool & Cutter Grinders Mfg. by Strausak Corporation, Lohn, Switzerland.

11° 25' 16" INC ANGLE TAPER WITH 30MM (1.18") DIAMETER AT LARGE END OF TAPER.
FOR 38MM (1.496") AND 1.250" ID WHEELS.

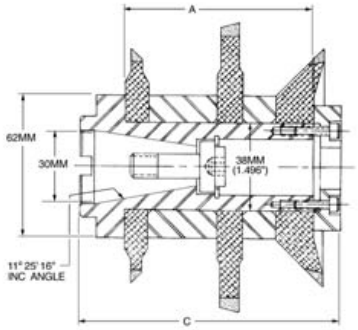
You need adapters that can handle the demanding applications that the Strausak Ecoflex CNC Tool & Cutter Grinder was designed to provide. Engineered specifically for the double ended spindle geometry of the Ecoflex system, Sopko adapters feature a bolt-on flange design that secures the wheel-pack regardless of spindle rotation. A pin-slot at the large end of the taper provides positive hub engagement for bi-directional rotation. Sopko adapters maximize the Strausak Ecoflex performance with precision

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ground tapers, carburized and hardened component parts for toughness, and ground, square and concentric flange faces that provide identical radial load-bearing surfaces to lock the multi-wheel-pack securely. Adapters are furnished with a M10xP1.5 draw-bolt 00037, bolt-on flange 00607, retaining ring 00486, and six M4xP.70 SHCS 01003 to clamp the flange and wheel-hub together.







(Front Side) 00383 (Taper Side)

SOPKO CATALOG NO.	STRAUSAK PART NO.	DIMENSIONS	
		A	C
00383	91-12-902	60MM (2.36")	79MM (3.11")
00382	91-12-901	80MM (3.15")	100MM (3.94")

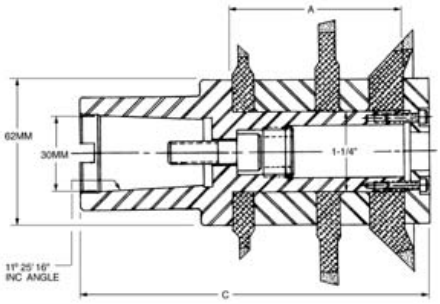
Incorporating all of the quality design features and benefits of the Strausak Ecoflex CNC Tool & Cutter adapters above, these adapters are made for 1-1/4" ID wheels. Now Strausak Ecoflex users have access to the wide variety of "standard bore", 1-1/4" ID, wheels that are available.
Adapters are furnished with a M10XP1.5RH draw-bolt 02723, bolt-on flange 00588, 3/4-16 RH hollow set screw 02630, and six M4XP.70RH SHCS 01003 to clamp the flange and wheel-hub together.





00026 (Front Side) **00645 (Taper Side)**

SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00026	60MM (2.36")	120MM (4.72")
00645	80MM (3.15")	141MM (5.55")



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Jones & Shipman Grinders.

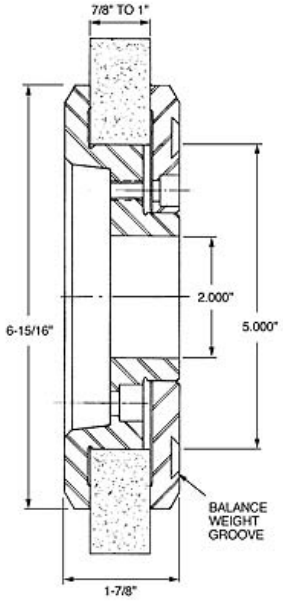
FOR 13° 43' 08" INC ANGLE TAPER* AND 2" STRAIGHT BORE WITH 1.605" DIAMETER AT LARGE END OF TAPER. FOR 5.000" ID WHEELS.

A tradition of quality manufacturing makes this Jones and Shipman series 1076 straight bore bolt-on flange balancing adapter an outstanding value. Two precison ground surfaces provide

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incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, the adapter is furnished with a three piece steel balancing weight set 00859, three 5/16-18RH x 1/2" SHCS 05941 flange bolts.



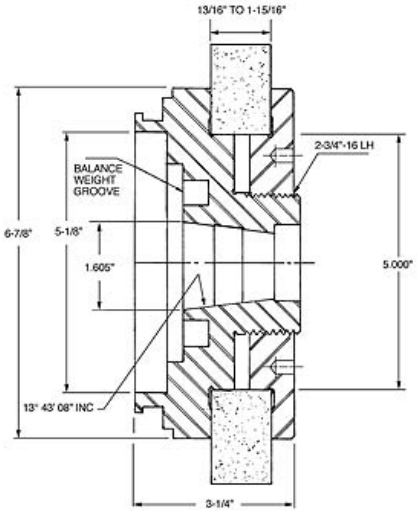


SOPKO CATALOG NO.
01195

01195
(Front Side)

This premium quality Jones & Shipman series 1310 universal cylindrical grinder balancing adapter features the highest quality 13° 43' 08" INC angle internal taper for precise spindle mounting and pre-heat treated hubs and nuts for strength and long life. Precision ground surfaces and thread ground threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes. Adapter furnished with three piece bronze balancing weight set 00861.





SOPKO CATALOG NO.
01836

01836
(Taper Side)

*Europe and Canada only.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Okamoto DX Series Grinders.

3.000" TPF AND 1:5 TAPER RATIO WITH 1.00" AND 1.75" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 5.000" ID WHEELS.

Standard adapter for 6.18DX and 8.20DX saddle type surface

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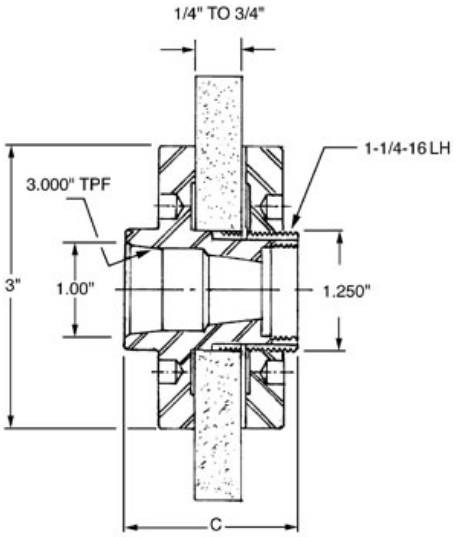
grinders.

SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS C
00129	A521	1-15/16
02681*	-	2-3/64

* Balancing style adapter includes weight set 00862.



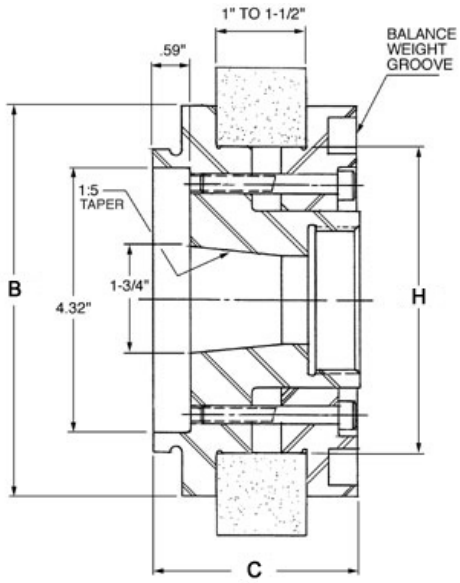
00129



Bolt-on flange balancing adapter for 12.24DX, 16.24DX, 16.32DX, 20.24DX, 20.36DX and 20.40DX saddle type surface grinders.



00636



SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS B	C	H
00908†	A621-3	5	3-1/4	3.000
00636**	A621-5	6-3/8	3-3/8	5.000

† Includes balancing weight set 00831 and 6 piece SHCS set 00614.
** Includes balancing weight set 00864 and 6 piece SHCS set 00614.

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
00636	27MM to 38MM (1" to 1.50")	01834	5/16-18 X 2-1/4	6
00908	1"	00614	5/16-18 X 1-1/4	6
	1-1/2"	00615	5/16-18 X 1-1/2	6

** Includes balancing weight set 00864.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

William Sopko & Sons Co., Inc.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000” TPF WITH 1.62” AND 2.25” DIAMETER AT LARGE END OF TAPER.
FOR 5.000” AND 8.000” ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use.



01342

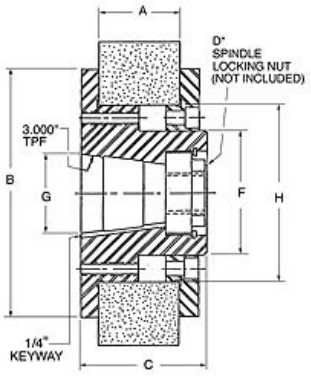


FIG. 1

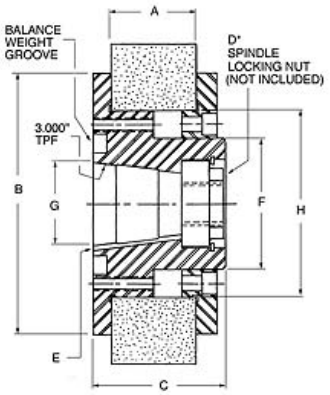


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS A	B	C	D*	F	G	H	SNAP RING
01341	1	3/4 to 1-1/2	7	2-9/16	3/4-16	3-1/2	1.62	5.000	04248
01357	1	1 to 2-1/2	7	3-9/16	1-1/8-12	3-1/2	2.25	5.000	04358
01342	2	3/4 to 1-3/4	7	2-13/16	3/4-16	3-5/8	1.62	5.000	01830
01343	2	1 to 2-1/2	7	3-9/16	1-1/8-12	3-5/8	2.25	5.000	01830
01344	2	1-3/4 to 3	10	4-1/16	1-1/8-12	4	2.25	8.000	01830

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01341	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
	3/4 to 1	01795	3/8-16X1-1/4	4
01342	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
	1-1/2 to 1-3/4	01797	3/8-16X2-1/4	4
	1 to 1-1/2	01798	3/8-16X1-1/2	4
01343	1-3/4 to 2	01797	3/8-16X2-1/4	4
01357	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	1-3/4 to 2	01797	3/8-16X2-1/4	4
01344	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	2-3/4 to 3	01800	3/8-16X3-1/4	4



01797



00828

00828	Three piece bronze balancing weight set for 01342 and 01343.
00826	Three piece bronze balancing weight set for 01344.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 3.000" AND 5.000" ID WHEELS.



01353
(Front Side)



01351
(Taper Side)

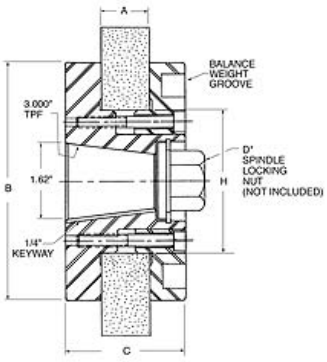


FIG. 1

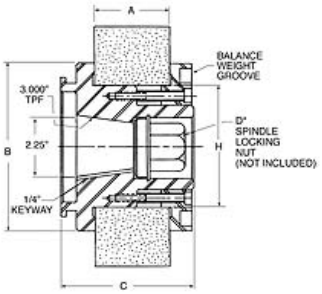


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS			
		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

OPTIONAL SOCKET HEAD CAP SCREW SETS.

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.
00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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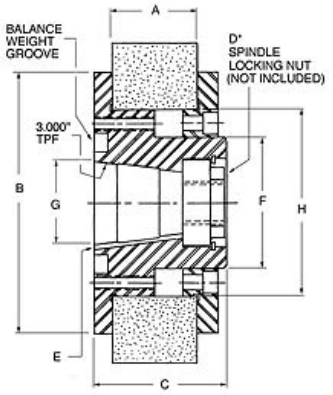
Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000" TPF WITH 2.62", 3.00" AND 3.75" DIAMETER AT LARGE END OF TAPER.
FOR 5.000", 8.000" AND 12.000" ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use. And of course, the high quality internal taper is unsurpassed for precision spindle mounting.



01345



SOPKO CATALOG NO.	DIMENSIONS								SNAP RING
	A	B	C	D*	E	F	G	H	
01345	1-1/2 to 2-3/4	7	4-3/16	1-1/2-12	1/4	3-5/8	2.62	5.000	01830
01346	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	2.62	12.000	01830
01347	1-3/4 to 3	7	4-11/16	1-1/2-12	1/4	3-5/8	3.00	5.000	01830
01348	1-3/4 to 3	10	4-5/16	1-1/2-12	1/4	5-1/2	3.00	8.000	01830
01349	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	3.00	12.000	01830
01350	2-1/4 to 4	10	5-1/2	2-1/4-12	3/8	5-1/2	3.75	8.000	04331



01801

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01345	1-1/2 to 2	01801	3/8-16X2-1/2	4
	2-1/4 to 2-3/4	01800	3/8-16X3-1/4	4
01346	1-3/4 to 2-1/4	01811	3/8-16X3	6
01347	2-1/2 to 3	01802	3/8-16X3-1/2	4
01349	6			
01348	1-3/4 to 2-1/4	01803	1/2-13X3	6
	2-1/2 to 3	01804	1/2-13X3-1/2	6
	2-1/4 to 2-3/4	01805	1/2-13X2-1/2	6
01350	3 to 3-1/2	01806	1/2-13X3-1/4	6
	4	01807	1/2-13X4	6



00829

00829	Three piece bronze balancing weight set for 01346 and 01349.
00826	Three piece bronze balancing weight set for 01345, 01347, 01348, and 01350.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

How did we create the Sopko legacy? Attention to detail and an unremitting commitment to quality that generations of grinding professionals have come to know as the unmatched standard of the industry. Today, customers are still asking for value, performance, and precision.
It's been nearly 50 years; we're still listening.

- HIGH QUALITY INTERNAL TAPERS for precision mounting.
- THREAD GROUND OD THREADS for maximum concentricity and squareness.
- HEAT TREATED COMPONENT PARTS for strength and reliability.
- CONCENTRIC and SQUARE GROUND SURFACES for better workpiece finishes.
- BLACK OXIDE FINISH to protect your investment.



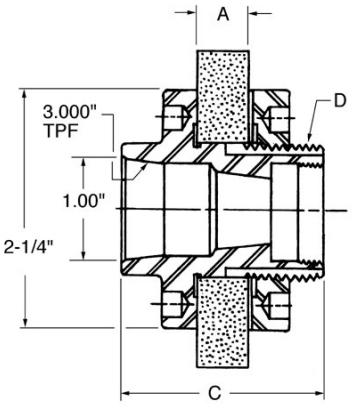


FIG. 1

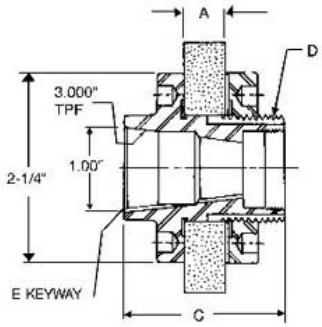


FIG. 2

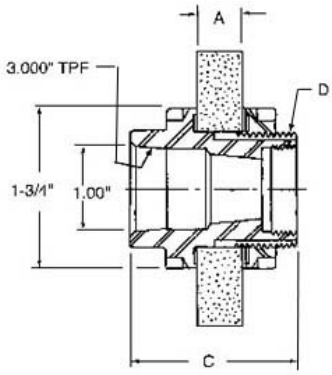


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	E
00100	1	100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00102	1	100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00105	1	100-1C	3/4	1-7/8	1-1/4-16LH	-
00101*	2	AN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	3/16
50183*	2	AN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	3/16
00112	2	KW100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	1/8
00200	1	200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00202	1	200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00208	1	K200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00216	1	K200-2	1/8 to 1/2	1-3/4	1-1/4-16RH	-
00217	1	200-1C	1/2	1-3/4	1-1/4-16LH	-
00201*	2	AN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00225*	2	AN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00226	2	KW200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	1/8
00227	2	KW200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	1/8
00300	1	300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00303*	2	AN-300-1	3/4 to 1	2-1/4	1-1/4-16LH	3/16
00308*	2	AN-300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00302	1	300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00301	1	300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00304	1	300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00305	1	300-1C	1	2-1/4	1-1/4-16LH	-
00306	1	300-2C	1	2-1/4	1-1/4-16RH	-
00307	1	R300-2B	1/2 to 1-1/2	2-11/16	1-1/4-16RH	-
50319	2	KW300-1	3/4 to 1	2-1/4	1-1/4-16LH	1/8
00686	2	KW300-2	3/4 to 1	2-1/4	1-1/4-16RH	1/8
00207	3	X200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00245	3	X200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

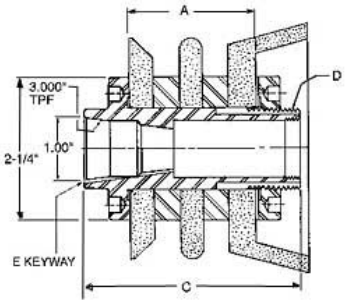
CAUTION!
Always Wear Safety Goggles When Griding.

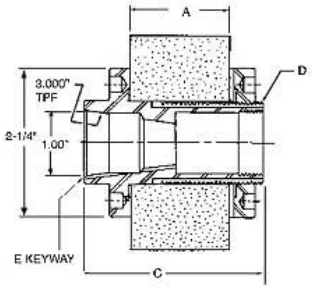
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko is more than quality products; it's quality service too. You can be sure of quick personalized service every time you call. We know you don't have a lot of time to waste listening to phone recordings. You'll be talking to real people with answers to your grinding accessory needs.

- SAME DAY shipment of standard product.
- FRIENDLY and KNOWLEDGEABLE people with INFORMATION you need.
- The LARGEST STOCK of precision grinding accessories in America.
- The source for SPECIAL GRINDING ACCESSORIES made to your specifications.







SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	E
00400	400-1A	2	3-3/16	1-1/4-16LH	-
00402	400-2A	2	3-3/16	1-1/4-16RH	-
00401	400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00403	400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00406	400-1C	1-3/4 to 2	3-3/16	1-1/4-16LH	-
00415	400-2C	1-3/4 to 2	3-3/16	1-1/4-16RH	-
00327*	AN400-1B	1 to 2	3-3/16	1-1/4-16LH	3/16
00413	-	2-1/2 to 2-3/4	3-13/16	1-1/4-16LH	-
00414	-	2-1/2 to 2-5/8	3-3/4	1-1/4-16LH	-
00500	500-1A	3	4-3/16	1-1/4-16LH	-
00502	500-2A	3	4-3/16	1-1/4-16RH	-
00501	500-1B	2 to 3	4-3/16	1-1/4-16LH	-
00503	500-2B	2 to 3	4-3/16	1-1/4-16RH	-
00506	500-1C	1-1/2 to 3	4-3/16	1-1/4-16LH	-
00600	600-1A	4	5-3/16	1-1/4-16LH	-
00602	600-2A	4	5-3/16	1-1/4-16RH	-
00601	600-1B	3 to 4	5-3/16	1-1/4-16LH	-
00604	600-2B	3 to 4	5-3/16	1-1/4-16RH	-
00605	600-1C	3-5/8 to 4	5-3/16	1-1/4-16LH	-
00701	700-1B	4-1/2	5-11/16	1-1/4-16LH	-
00702	700-1C	5	6-3/16	1-1/4-16LH	-
00800	800-1A	6	7-3/16	1-1/4-16LH	-
00801	800-1B	5 to 6	7-3/16	1-1/4-16LH	-
00900	900-1A	7	8-3/16	1-1/4-16LH	-
00999	1000-1A	8	9-3/16	1-1/4-16LH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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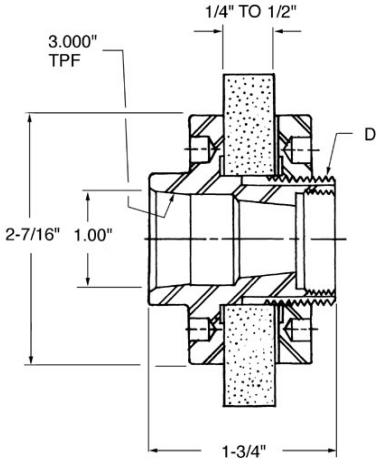
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

00220 (220-1) is the standard replacement adapter for Bridgeport-Harig and Parker PM Majestic grinding machines using 7" diameter wheels.



00220

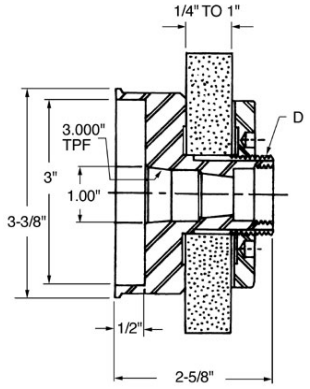


SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00220	220-1	1-1/4-16LH
00221	220-2	1-1/4-16RH

Providing optimum protection against contamination to the wheelhead spindle nose, these high-quality SHROUDED ADAPTERS are designed for performance. Sopko assures this standard with quality features like PRECISION GROUND TAPERS and CONCENTRICALLY GROUND AND SQUARE surfaces to maximize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these adapters because Sopko HEAT TREATS every one.



(Front Side) 00180 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00180	2BY-LH	1-1/4-16LH
00181	2BY-RH	1-1/4-16RH

See page 60 for Pope style shrouded adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

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Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250", 1.500", AND 2.000" ID WHEELS.

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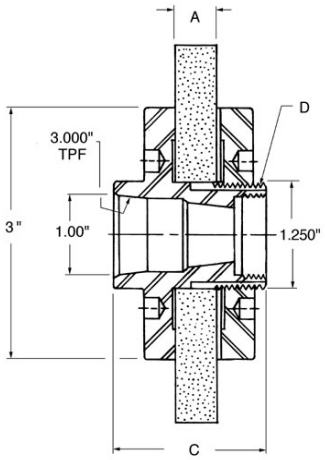


00130



00430

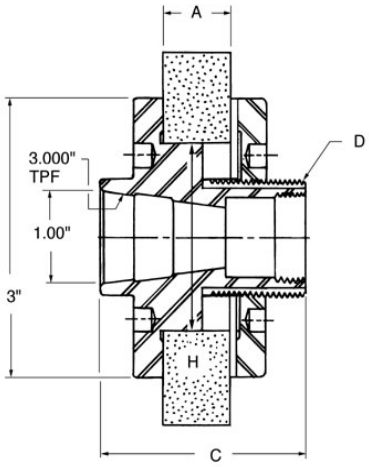
SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D
00130	130-1	3/4	1-15/16	1-1/4-16LH
00132	130-2	3/4	1-15/16	1-1/4-16RH
00230	230-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00232	230-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00330	330-1	3/4 to 1	2-1/4	1-1/4-16LH
00332	330-2	3/4 to 1	2-1/4	1-1/4-16RH
00331	330-1S	3/8 to 1	2-1/4	1-1/4-16LH
00386	330-2S	3/8 to 1	2-1/4	1-1/4-16RH
00430	430-1A	2	3-1/4	1-1/4-16LH
00432	430-2A	2	3-1/4	1-1/4-16RH
00431	430-1B	1 to 2	3-1/4	1-1/4-16LH
00433	430-2B	1 to 2	3-1/4	1-1/4-16RH
00434	430-1D	2-1/4 to 2-1/2	3-3/4	1-1/4-16LH
00435	430-1E	1-1/2 to 2	3-1/4	1-1/4-16LH





00334

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	H
00333	330-1-1.500	1/2 to 1	2-1/4	1-1/4-16LH	1.500
00334	330-1-2.000	1/2 to 1	2-1/4	1-1/4-16LH	2.000



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Play it safe with larger diameter wheels by using Sopko 3-1/2" OD wheel adapters. Manufactured with the same attention to detail, these Sopko adapters feature a high quality internal ground taper, thread ground OD threads, concentric and square ground surfaces, heat treated hub and nut with black oxide finish. Only Sopko offers all these valuable features.

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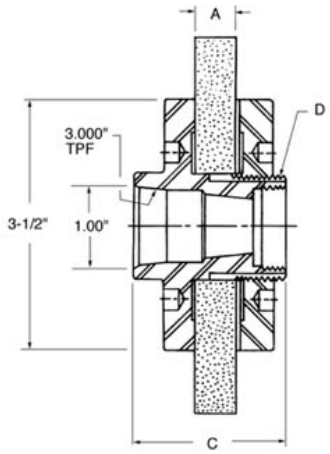


00235



00337

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
00135	135-1	3/4	1-15/16	1-1/4-16LH
00235	235-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00236	235-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00335	335-1	3/4 to 1	2-1/4	1-1/4-16LH
00336	335-2	3/4 to 1	2-1/4	1-1/4-16RH
00337	335-1B	1-1/2	2-3/4	1-1/4-16LH
00618	335-2A	1/2 to 1	2-1/4	1-1/4-16RH



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

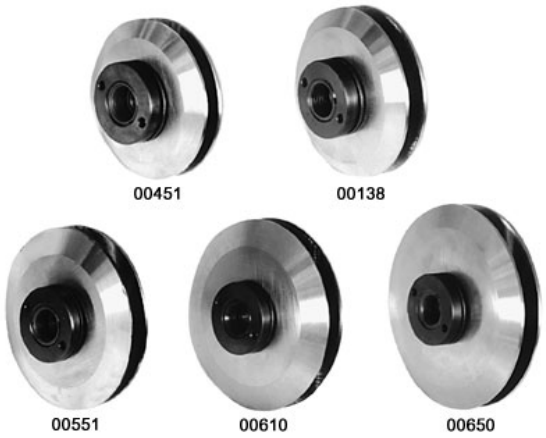
CAUTION!
Always Wear Safety Goggles When Griding.

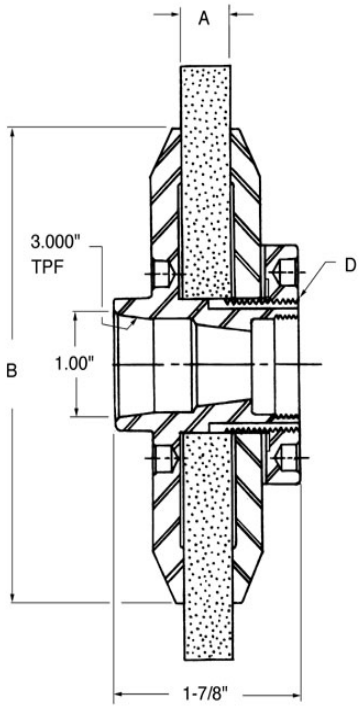
Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. DESIGNED FOR THIN CUT-OFF WHEELS AND DIAMOND WHEELS.

Sopko flanged adapters are machined from alloy steel. The resulting one piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design, and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00451	4.5-1	0 to 1/2	4-1/2	1-1/4-16LH
00452	4.5-2	0 to 1/2	4-1/2	1-1/4-16RH
00138	5.0-1	0 to 1/2	5	1-1/4-16LH
00139	5.0-2	0 to 1/2	5	1-1/4-16RH
00551	5.5-1	0 to 1/2	5-1/2	1-1/4-16LH
00552	5.5-2	0 to 1/2	5-1/2	1-1/4-16RH
00610	6.0-1	0 to 1/2	6	1-1/4-16LH
00612	6.0-2	0 to 1/2	6	1-1/4-16RH
00650	6.5-1	0 to 1/2	6-1/2	1-1/4-16LH
00652	6.5-2	0 to 1/2	6-1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

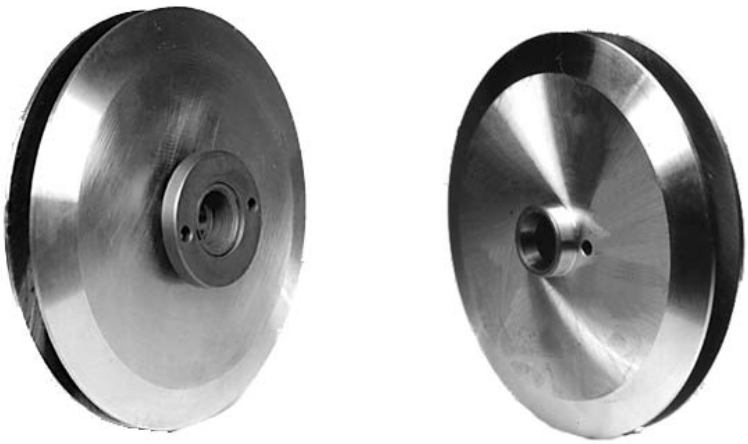
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

All the quality features you expect from Sopko are built into these larger diameter flanged wheel adapters too...

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.



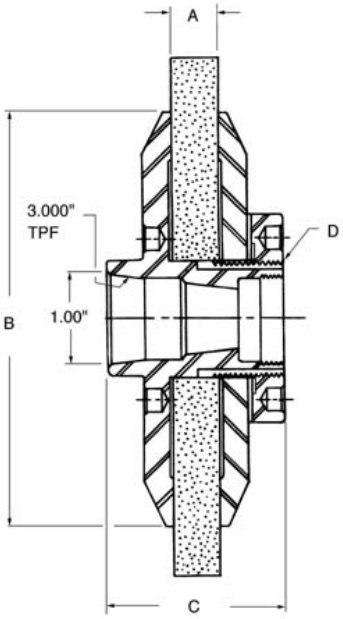
00710

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(Front Side) (Taper Side)

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00710 00712	7.0-1 7.0-2	0 to 1/2 0 to 1/2	7 7	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00750 00752	7.5-1 7.5-2	0 to 1/2 0 to 1/2	7-1/2 7-1/2	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00810 00812	8.0-1 8.0-2	0 to 1/2 0 to 1/2	8 8	2 2	1-1/4-16LH 1-1/4-16RH

See page 74 for available flanges.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.* FOR 2.000" AND 3.000" ID WHEELS.

Now you can extend the useful working life of 2.000" and 3.000" ID grinding wheels. There is no need to waste money by throwing worn wheels away. Extend wheel life, use Sopko 4-1/2" flanged diameter wheel adapters! Machined from forged alloy steel, the one-piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

All the quality features you expect from Sopko are built into these flanged wheel adapters for 2.000" ID and 3.000" ID grinding wheels.

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.
- Not for larger surface grinders (taper is 1.00" at LE).

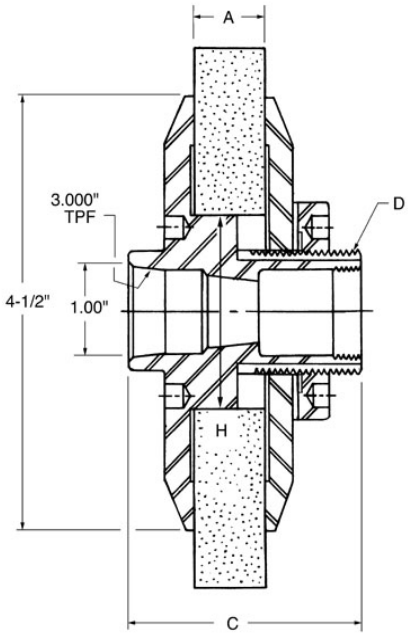
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00453



00455



SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D	H
00453	4.5-1-2	3/8 to 3/4	2-1/8	1-1/4-16LH	2.00
00454	4.5-2-2	3/8 to 3/4	2-1/8	1-1/4-16RH	2.00
00455	4.5-1-3	3/8 to 1	2-3/8	1-1/4-16LH	3.00
00456	4.5-2-3	3/8 to 1	2-3/8	1-1/4-16RH	3.00

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Balancing Wheel Adapters for Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

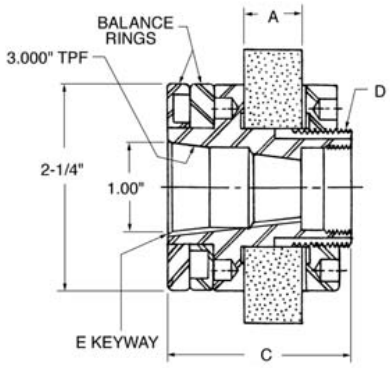
Sopko balancing rings have milled pockets with 180° arc-length. One end of the arc is permanently stamped with a reference line and arrow to designate direction of rotation. Unlike some balancing rings, Sopko “sandwiches” the milled pockets together inside the mated faces. Grinding grit can’t build up! Rings are lapped flat and ground for a precision fit. A nylon-tipped set screw secures each ring to the adapter hub. All balancing adapters furnished with a 3/32" hex wrench 00938.



00565



00106



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	E
00106	B100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00107	B100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00260	B200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00262	B200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00310	B300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00311	B300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00313	B300-1C	1	2-1/4	1-1/4-16LH	-
00312	B300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
50331**	ANB300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00338	B300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00404	B400-1A	2	3-3/16	1-1/4-16LH	-
00405	B400-2A	2	3-3/16	1-1/4-16RH	-
00410	B400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00412	B400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00504	B500-1A	3	4-3/16	1-1/4-16LH	-
00565	B500-1B	2 to 3	4-3/16	1-1/4-16LH	-

Use Sopko Balancing Adapters to:

- Increase productivity.
- Reduce downtime and maintenance.

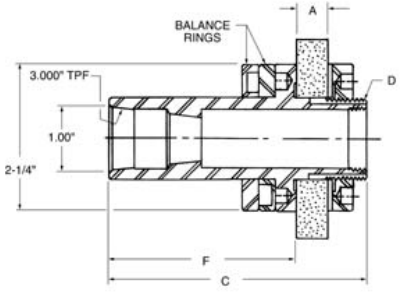
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00505	B500-2A	3	4-3/16	1-1/4-16RH	-
50305	B600-1B	3 to 4	5-3/16	1-1/4-16LH	-
50393	B1000-1A	8	9-3/16	1-1/4-16LH	-

- Produce low micro-finishes.
- Reduce wheel wear and truing frequency.
- Reduce costly spindle failures.

**Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.





00228

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	F
00228	B200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00229	B200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00244	B200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00219	B200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16

*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

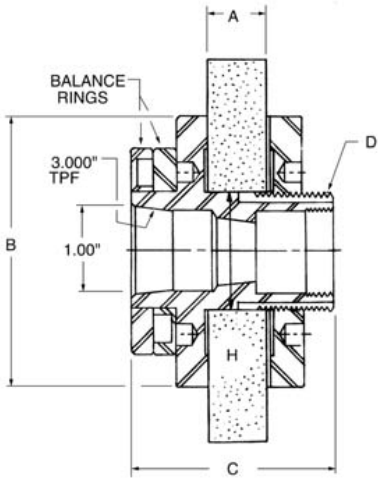
Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.



00460



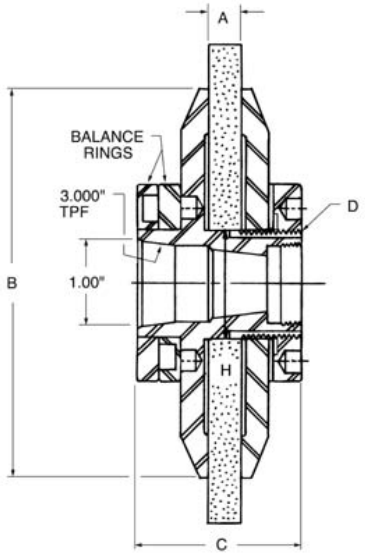
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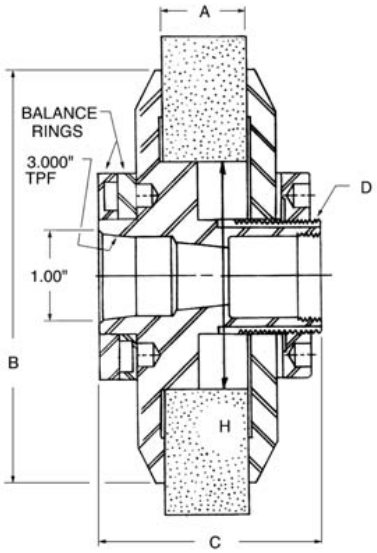
00248
(Front Side)



00251
(Taper Side)



SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000



*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Long Extended Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko LONG EXTENDED ADAPTERS are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinder applications where the operator must reach across a boss or other obstruction in order to grind. The adapters have also found wide application on cutter grinders and tap grinders.

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00203



00252

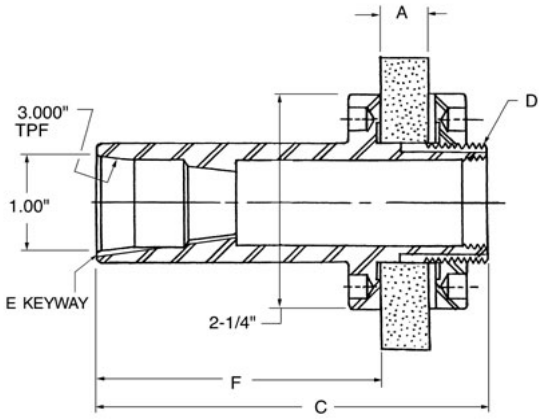


FIG. 1

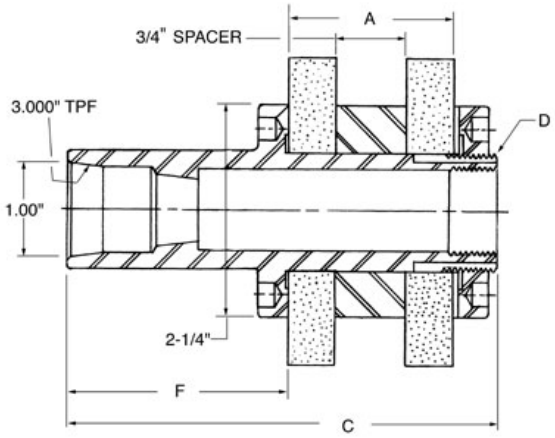


FIG. 2

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	C	D	E	F
00901	1	200-1LH-1/4	1/4 to 5/8	2	1-1/4-16LH	-	15/16
00203	1	200-1LH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	-	2-5/16
00204	1	200-2RH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	-	2-5/16
50315	1	200-1LH1-5/8KW	1/4 to 1/2	3-3/8	1-1/4-16LH	1/8	2-5/16
05256	1	200-1E-1-5/8	2-1/4	5-1/16	1-1/4-16LH	-	2-5/16
00252*	2	S200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00254	1	200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00214	1	200-1LH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	-	3-7/16
00215	1	200-2RH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	-	3-7/16

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Cup Wheel Extended Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Sopko cup wheel adapters are made with a THIN WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive wheel lock. A hardened and ground nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN UP during spindle rotation.

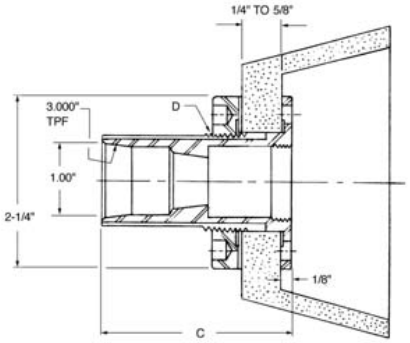




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	00263	00265	
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		C	D
00263	200-1CW	2-1/2	1-1/4-16LH
00264	200-2CW	2-1/2	1-1/4-16RH
00265	-	3-1/2	1-1/4-16LH
00266	-	3-1/2	1-1/4-16RH

*Grinding wheel not included.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Short I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All SHORT IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 1-1/4" wrench flat on the body makes installation and removal easy.

CHECK THESE FEATURES!

- ALL DIAMETERS GROUND for concentricity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- ALL COMPONENT PARTS HEAT TREATED for strength and long life.
- THREAD GROUND EXTERNAL THREADS for maximum concentricity and squareness.
- SPECIALS can be made to your requirements. Please specify wheel OD, width, and ID.


00759


00765

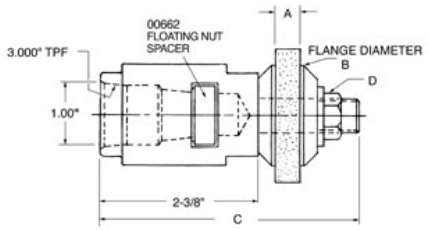

00769


00773


00775

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00759	200-3/8LH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16LH HEX
00760	200-3/8RH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16RH HEX
00761		1/2 to 3/4	2	3-7/8	3/8-16LH HEX
00762		1/2 to 3/4	2	3-7/8	3/8-16RH HEX
00763	200-1/2LH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13LH HEX
00764	200-1/2RH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13RH HEX
00765		3/8 to 5/8	2	3-7/8	1/2-13LH HEX
00766		3/8 to 5/8	2	3-7/8	1/2-13RH HEX
00769		1/2	2	3-7/8	5/8-18LH HEX
00770		1/2	2	3-7/8	5/8-18RH HEX
00773		1/2	2	4	3/4-16LH HEX
00774		1/2	2	4	3/4-16RH HEX
00775	200-1LH-S	1/2	2-1/2	4	1-20LH ROUND

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00776	200-1RH-S	1/2	2-1/2	4	1-20RH ROUND

Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16" wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

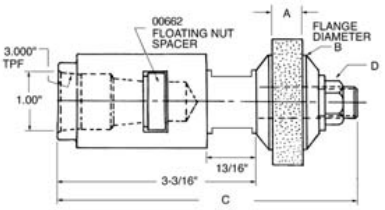


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16" wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

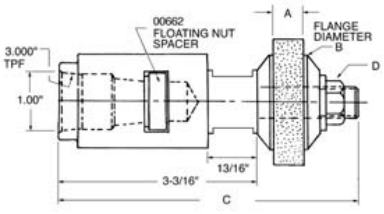


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Collet Chuck Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

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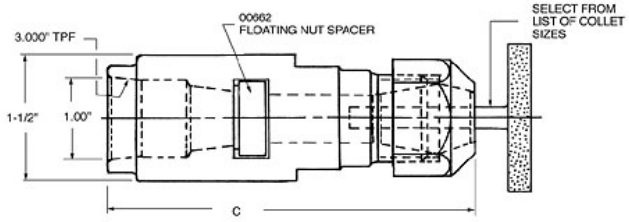
Widely used on surface grinders, the set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

THERE IS A DIFFERENCE WITH SOPKO!

- Collet Chuck Quills are ground all over for true CONCENTRICITY and BALANCE.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- Made from AMERICAN SUPERIOR QUALITY alloy steel and heat treated for optimum performance.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose angle to assure PROPER ENGAGEMENT of the grinding wheel shank.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C
00246	200-CCEA-S	2-15/16
00249	200-CCEA-L	4-15/16



6000 SERIES COLLETS** RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	**COLLET CAPACITY**
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

**Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Male Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

SHORT MALE EXTENSIONS provide increased utility because grinding wheels already mounted do not need to be dismounted. This feature is especially useful when grinding with diamond wheels. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut. A 1-1/8" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

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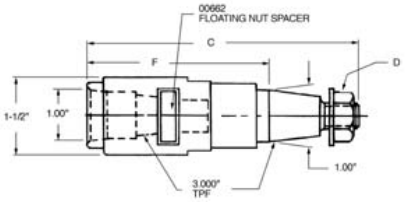


00237

LONG MALE EXTENSIONS are designed for even greater clearance possibilities with their added reach. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut.



00257



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F
00237	200-3-1/2LH	5-1/4	1/2-13LH	HEX 3-1/2
00238	200-3-1/2RH	5-1/4	1/2-13RH	HEX 3-1/2
00257	200-5LH	6-5/8	1/2-13LH	HEX 4-7/8
00258	200-5RH	6-5/8	1/2-13RH	HEX 4-7/8

* See page 76 for available hex spindle nut sizes.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Reversible Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way without redressing.

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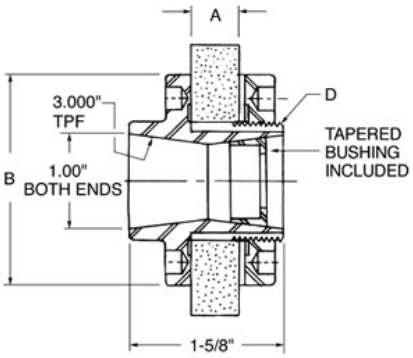
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for
  BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper and are securely locked against loosening by the wheel rotation.
- Manufactured from quality steel to withstand the rigors of daily use, then HARDENED and GROUND.

For use on all spindles having a 3.000" TPF with 1.00" diameter at large end of taper. Including: Boyar-Schultz, Bridgeport, Brown & Sharpe, DoAll, Excello, Foote Burt-Hammond, Harig, Norton, Parker Majestic, Pope, Reid, Sanford, Setco, Taft Pierce, and Whitnon.



00222

A precision ground double-taper and removable bushing make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. LH thread is standard.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00222	222RWA	1/4 to 1/2	2-1/4	1-1/4-16LH
00255	222RWA-R	1/4 to 1/2	2-1/4	1-1/4-16RH
00256	4.5-2RWA	0 to 1/2	4-1/2	1-1/4-16RH
00022	22-W	Replacement tapered bushing.		

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters For Metric Bore Wheels.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 32MM (1.217") ID WHEELS.



00174



00176

For 32MM Metric Bore Wheels

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00170



00172

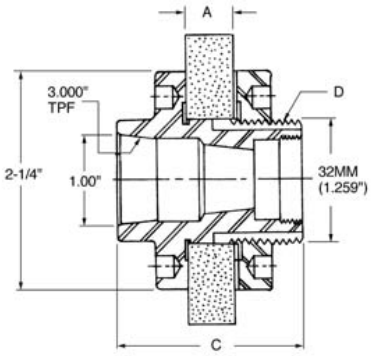


FIG. 1
For 32MM Metric Bore Wheels

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00170	1	1-100-1	1/2 to 3/4	1-7/8	1-1/4-16LH
00171	1	1-100-2	1/2 to 3/4	1-7/8	1-1/4-16RH
00172	1	2-200-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00173	1	2-200-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00174	1	3-300-1	3/4 to 1	2-1/4	1-1/4-16LH
00175	1	3-300-2	3/4 to 1	2-1/4	1-1/4-16RH
00176	2	2-230-1	1/4 to 1/2	1-3/4	1-1/4-16LH

*Other metric sizes quoted on request.

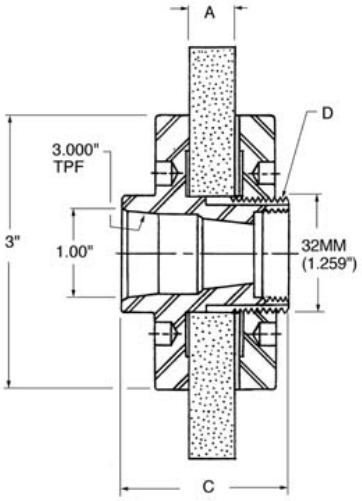


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

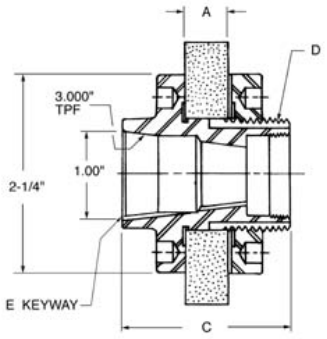
- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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00345 00348 00366

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSION A	C	D	E
00345	EN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00346	EN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00347	EN100-1C	3/4	1-7/8	1-1/4-16LH	-
00348	EN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00349	EN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00350*	ENA200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00351*	ENA200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00352**	ENK200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00353**	A2031-1	1/8 to 5/8	1-3/4	1-1/4-16LH	-
00355	EN200-1C	1/2	1-3/4	1-1/4-16LH	-
00364	EN300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00365	EN300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00368	EN300-1C	1	2-1/4	1-1/4-16LH	-
00369	EN300-2C	1	2-1/4	1-1/4-16RH	-
00356	A2031-2	3/8 to 1	2-1/4	1-1/4-16LH	-
00366	EN300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00367	EN300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00370	A2031-5	3/8 to 1-1/2	2-11/16	1-1/4-16LH	-



Electroless nickel plating available on all Sopko adapters at additional cost.
*Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.
** Keyway to face.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.
Sopko

Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.

- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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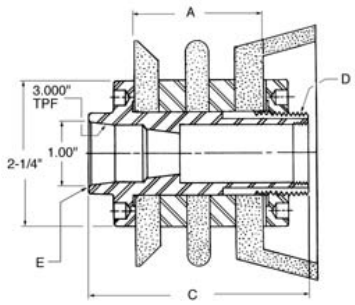


FIG. 1

00373 **00377**

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00371	1	EN400-1A	2	3-3/16	1-1/4-16LH
00372	1	EN400-2A	2	3-3/16	1-1/4-16RH
00373	1	EN400-1B	1 to 2	3-3/16	1-1/4-16LH
00374	1	EN400-2B	1 to 2	3-3/16	1-1/4-16RH
00376	1	EN500-1A	3	4-3/16	1-1/4-16LH
00377	1	EN500-1B	2 to 3	4-3/16	1-1/4-16LH
00378	1	A2031-4	1-3/4 to 3	4-3/16	1-1/4-16LH
00379	1	EN600-1A	4	5-3/16	1-1/4-16LH
00357	2	EN200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH

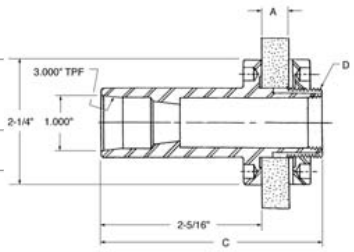


FIG. 2

Electroless nickel plating available on all Sopko adapters at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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01112



00651



00358



00360

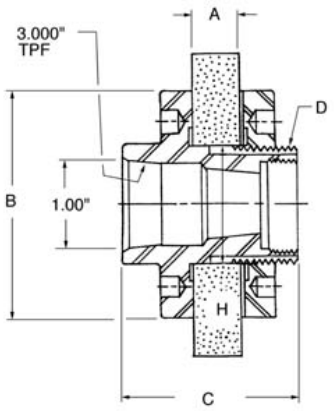


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250
00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250

Electroless nickel plating available on all Sopko adapters at additional cost.
*Balancing style adapter.

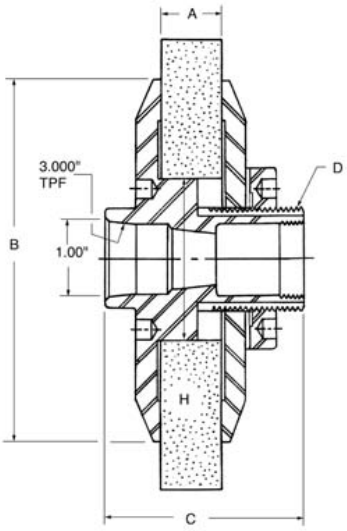


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Stainless Steel Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Made from 300 series stainless steel, and designed for applications that require the ultimate in corrosion resistance, these adapters are used widely in medical applications. They are anti-magnetic, which makes them ideal for cutting slots or grooves in magnetic materials. Hub, washer, and nut are all made from 300 series stainless steel.

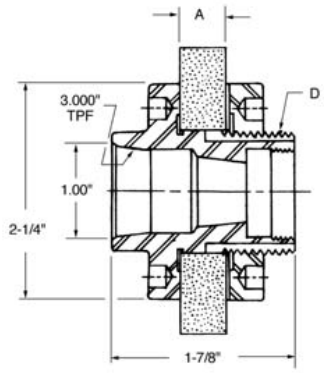
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00259



00267



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00259	SS100-1	3/8 to 3/4	1-1/4-16LH
00261	SS100-2	3/8 to 3/4	1-1/4-16RH
00211	S100/200-1	1/2 to 3/4	1-1/4-16LH
00267	SS100/200-2	1/2 to 3/4	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

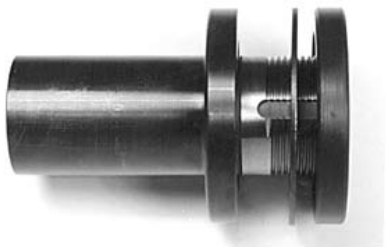
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32" Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



00719



00716

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00721

Note: 3/32" Keyway in small end of taper only

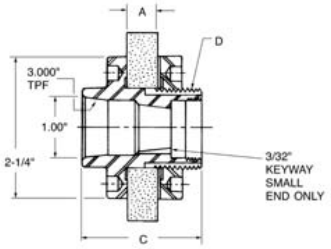


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	F
00716	1	U200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00717**	1	BU200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00718	1	U200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00719	2	U200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00720	2	U200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00721	2	U200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00423	2	U200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16
00722	1	U300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00709	1	U300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00723	1	U300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00193**	1	BU300-1	3/4 to 1	2-1/4	1-1/4-16LH	-

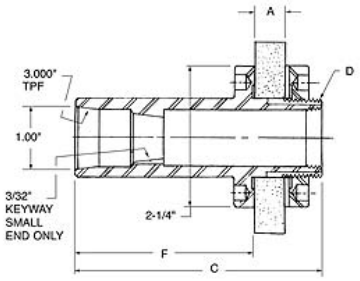


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

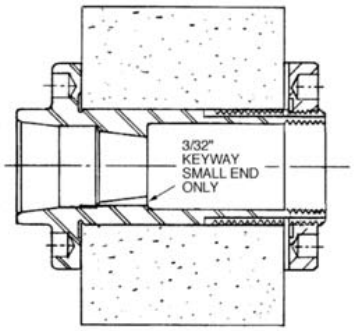
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32" Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



Note: 3/32" Keyway in small end of taper only



00725

SOPKO	SOPKO	DIMENSIONS

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CATALOG NO.	FIG.	PART NO.	A	C	D
00724	1	U400-1A	2	3-3/16	1-1/4-16LH
00725	1	U400-1B	1 to 2	3-3/16	1-1/4-16LH
00726	1	U400-2A	2	3-3/16	1-1/4-16RH
00727**	1	BU400-1B	1 to 2	3-3/16	1-1/4-16LH
00728	1	U500-1A	3	4-3/16	1-1/4-16LH
50320	1	U500-2A	3	4-3/16	1-1/4-16RH
00729	1	U500-1B	2 to 3	4-3/16	1-1/4-16LH
00730	1	U600-1A	4	5-3/16	1-1/4-16LH
00606	1	U600-1B	3 to 4	5-3/16	1-1/4-16LH
00732	2	U330-1	3/4 to 1	2-1/4	1-1/4-16LH
00733	2	U430-1A	2	3-1/4	1-1/4-16LH
00734	2	U430-1B	1 to 2	3-1/4	1-1/4-16LH

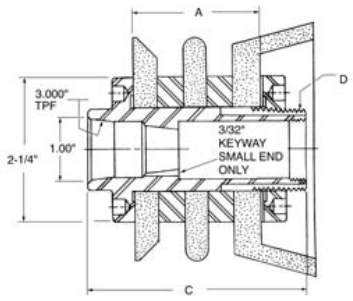


FIG. 1

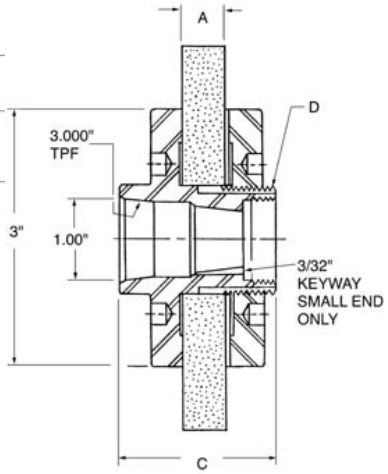


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.



00739

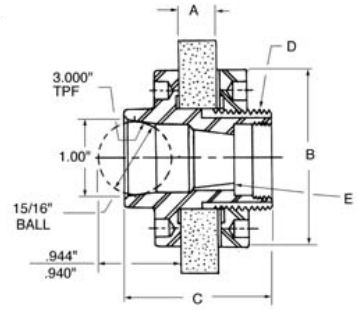


FIG. 1

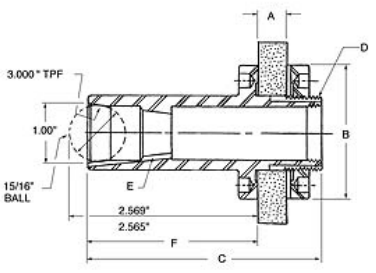


FIG. 2

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00738



00737

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

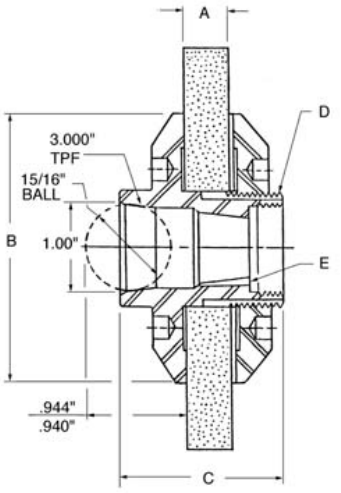


FIG. 3

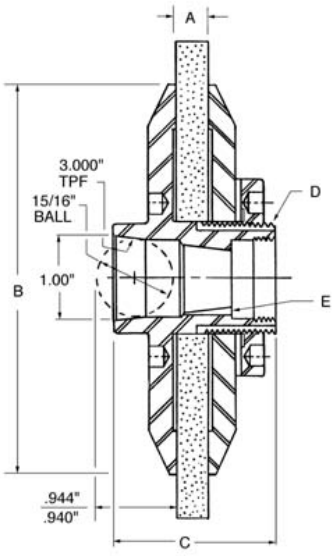


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With Glare Gear Assembly.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The UNIQUE GRINDING WHEEL LOCKING SYSTEM that eliminates damage to grinding wheels and spindle bearings caused by hammering. Also provides best possible mounting concentricity when tightening diamond, CBN, or vitrified wheels.

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01231**



01235

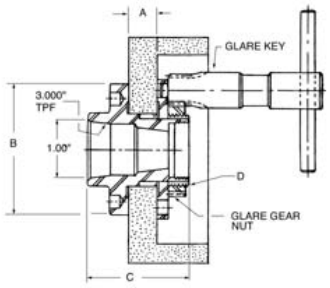


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS					
			A	B	C	D	E	F
01231	1	GG100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-	-
01232	1	GG100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-	-
01233	1	GG200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-	-
01234	1	GG200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-	-
01235	1	GG220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	-	-
01236	1	GG300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-	-
01237	1	GG300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	-	-
00159	1	GG300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	-	-
00127	1	GG400-1A	2	2-1/4	3-3/16	1-1/4-16LH	-	-
00566	1	GG400-2A	2	2-1/4	3-3/16	1-1/4-16RH	-	-
00189	1	GG400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	-	-
00417	1	GG500-1A	3	2-1/4	4-3/16	1-1/4-16LH	-	-
00462	1	GG500-2A	3	2-1/4	4-3/16	1-1/4-16RH	-	-
00704	1	GG500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	-	-
01282	3	GG200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-	2-5/16
00687	3	GG200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	-	3-7/16
00740*	2	GGU100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	3/32	-
00741*	2	GGU100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	3/32	-
00742*	2	GGU200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32	-
00743*	2	GGU200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	3/32	-
00744*	2	GGU300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	3/32	-
00745*	2	GGU300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	3/32	-
00746*	2	GGU300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	3/32	-
00747*	2	GGU400-1A	2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00748*	2	GGU400-2A	2	2-1/4	3-3/16	1-1/4-16RH	3/32	-
00194*	2	GGU400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00324*	2	GGU500-1A	3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00548*	2	GGU500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00320*	3	GGU200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/32	2-5/16
00595*	3	GGU200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3/32	3-7/16
50329*	3	GGU200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	3/32	2-5/16

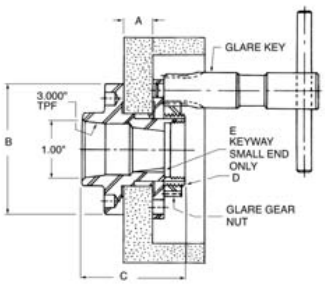


FIG. 2

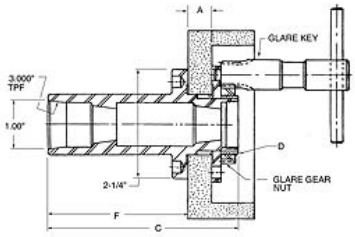


FIG. 3

See page 73 for complete selection of Glare Gear components.
Glare Gear Assemblies can be furnished with all 1-1/4" ID adapters.
List above is stocked product only.
*For grinding machines manufactured by Unison Corp., Ferndale, MI.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Pin Slot Wheel Adapters for Reversing Spindles.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.

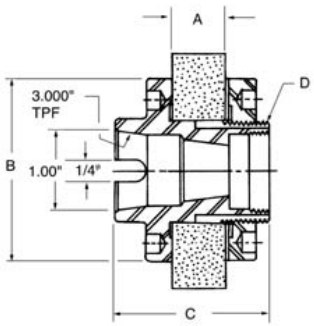


FIG. 1

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00094



00275



00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F
00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-
00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

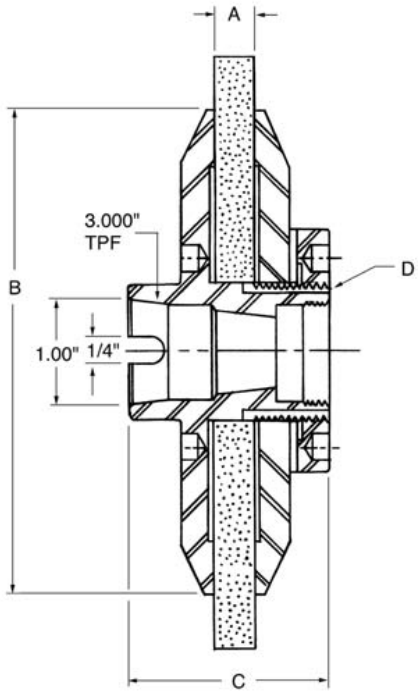


FIG. 2

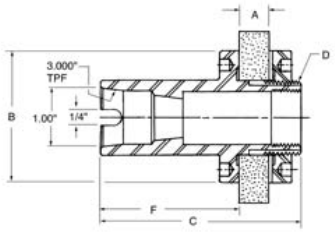


FIG. 3

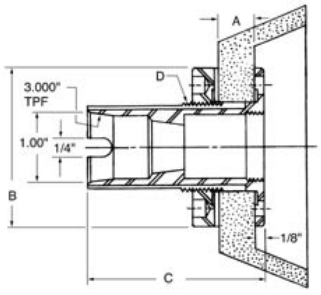


FIG. 4

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

How did we create the Sopko legacy? Attention to detail and an unremitting commitment to quality that generations of grinding professionals have come to know as the unmatched standard of the industry. Today, customers are still asking for value, performance, and precision.
It's been nearly 50 years; we're still listening.

- HIGH QUALITY INTERNAL TAPERS for precision mounting.
- THREAD GROUND OD THREADS for maximum concentricity and squareness.
- HEAT TREATED COMPONENT PARTS for strength and reliability.
- CONCENTRIC and SQUARE GROUND SURFACES for better workpiece finishes.
- BLACK OXIDE FINISH to protect your investment.



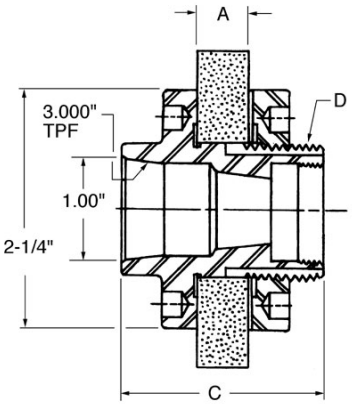


FIG. 1

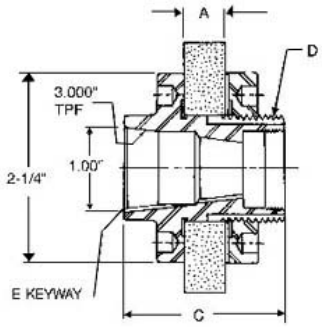


FIG. 2

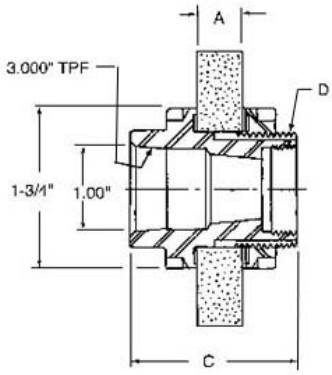


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	E
00100	1	100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00102	1	100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00105	1	100-1C	3/4	1-7/8	1-1/4-16LH	-
00101*	2	AN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	3/16
50183*	2	AN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	3/16
00112	2	KW100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	1/8
00200	1	200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00202	1	200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00208	1	K200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00216	1	K200-2	1/8 to 1/2	1-3/4	1-1/4-16RH	-
00217	1	200-1C	1/2	1-3/4	1-1/4-16LH	-
00201*	2	AN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00225*	2	AN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00226	2	KW200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	1/8
00227	2	KW200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	1/8
00300	1	300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00303*	2	AN-300-1	3/4 to 1	2-1/4	1-1/4-16LH	3/16
00308*	2	AN-300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00302	1	300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00301	1	300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00304	1	300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00305	1	300-1C	1	2-1/4	1-1/4-16LH	-
00306	1	300-2C	1	2-1/4	1-1/4-16RH	-
00307	1	R300-2B	1/2 to 1-1/2	2-11/16	1-1/4-16RH	-
50319	2	KW300-1	3/4 to 1	2-1/4	1-1/4-16LH	1/8
00686	2	KW300-2	3/4 to 1	2-1/4	1-1/4-16RH	1/8
00207	3	X200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00245	3	X200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

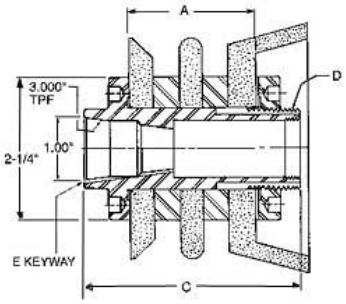
CAUTION!
Always Wear Safety Goggles When Griding.

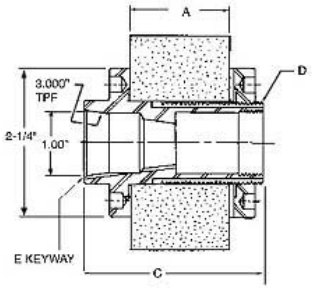
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko is more than quality products; it's quality service too. You can be sure of quick personalized service every time you call. We know you don't have a lot of time to waste listening to phone recordings. You'll be talking to real people with answers to your grinding accessory needs.

- SAME DAY shipment of standard product.
- FRIENDLY and KNOWLEDGEABLE people with INFORMATION you need.
- The LARGEST STOCK of precision grinding accessories in America.
- The source for SPECIAL GRINDING ACCESSORIES made to your specifications.







SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	E
00400	400-1A	2	3-3/16	1-1/4-16LH	-
00402	400-2A	2	3-3/16	1-1/4-16RH	-
00401	400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00403	400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00406	400-1C	1-3/4 to 2	3-3/16	1-1/4-16LH	-
00415	400-2C	1-3/4 to 2	3-3/16	1-1/4-16RH	-
00327*	AN400-1B	1 to 2	3-3/16	1-1/4-16LH	3/16
00413	-	2-1/2 to 2-3/4	3-13/16	1-1/4-16LH	-
00414	-	2-1/2 to 2-5/8	3-3/4	1-1/4-16LH	-
00500	500-1A	3	4-3/16	1-1/4-16LH	-
00502	500-2A	3	4-3/16	1-1/4-16RH	-
00501	500-1B	2 to 3	4-3/16	1-1/4-16LH	-
00503	500-2B	2 to 3	4-3/16	1-1/4-16RH	-
00506	500-1C	1-1/2 to 3	4-3/16	1-1/4-16LH	-
00600	600-1A	4	5-3/16	1-1/4-16LH	-
00602	600-2A	4	5-3/16	1-1/4-16RH	-
00601	600-1B	3 to 4	5-3/16	1-1/4-16LH	-
00604	600-2B	3 to 4	5-3/16	1-1/4-16RH	-
00605	600-1C	3-5/8 to 4	5-3/16	1-1/4-16LH	-
00701	700-1B	4-1/2	5-11/16	1-1/4-16LH	-
00702	700-1C	5	6-3/16	1-1/4-16LH	-
00800	800-1A	6	7-3/16	1-1/4-16LH	-
00801	800-1B	5 to 6	7-3/16	1-1/4-16LH	-
00900	900-1A	7	8-3/16	1-1/4-16LH	-
00999	1000-1A	8	9-3/16	1-1/4-16LH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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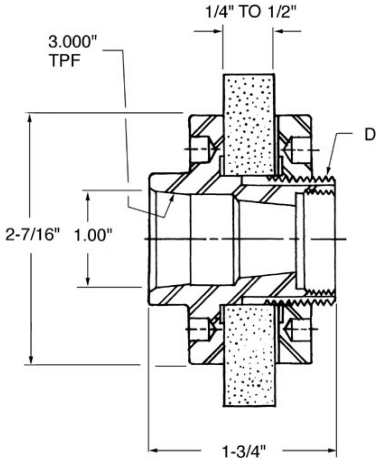
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

00220 (220-1) is the standard replacement adapter for Bridgeport-Harig and Parker PM Majestic grinding machines using 7" diameter wheels.



00220

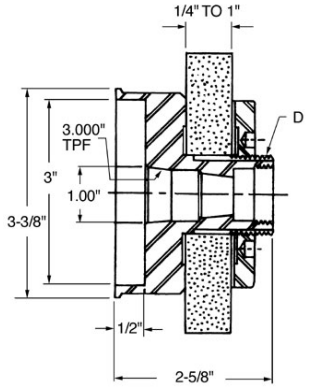


SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00220	220-1	1-1/4-16LH
00221	220-2	1-1/4-16RH

Providing optimum protection against contamination to the wheelhead spindle nose, these high-quality SHROUDED ADAPTERS are designed for performance. Sopko assures this standard with quality features like PRECISION GROUND TAPERS and CONCENTRICALLY GROUND AND SQUARE surfaces to maximize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these adapters because Sopko HEAT TREATS every one.



(Front Side) 00180 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00180	2BY-LH	1-1/4-16LH
00181	2BY-RH	1-1/4-16RH

See page 60 for Pope style shrouded adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250", 1.500", AND 2.000" ID WHEELS.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

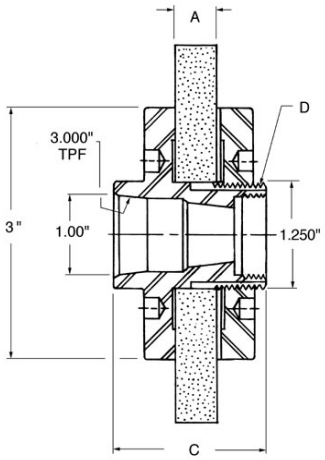


00130



00430

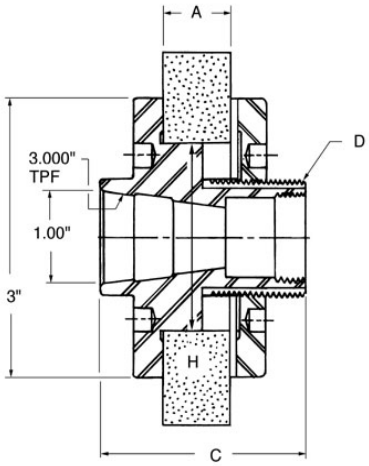
SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D
00130	130-1	3/4	1-15/16	1-1/4-16LH
00132	130-2	3/4	1-15/16	1-1/4-16RH
00230	230-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00232	230-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00330	330-1	3/4 to 1	2-1/4	1-1/4-16LH
00332	330-2	3/4 to 1	2-1/4	1-1/4-16RH
00331	330-1S	3/8 to 1	2-1/4	1-1/4-16LH
00386	330-2S	3/8 to 1	2-1/4	1-1/4-16RH
00430	430-1A	2	3-1/4	1-1/4-16LH
00432	430-2A	2	3-1/4	1-1/4-16RH
00431	430-1B	1 to 2	3-1/4	1-1/4-16LH
00433	430-2B	1 to 2	3-1/4	1-1/4-16RH
00434	430-1D	2-1/4 to 2-1/2	3-3/4	1-1/4-16LH
00435	430-1E	1-1/2 to 2	3-1/4	1-1/4-16LH





00334

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	H
00333	330-1-1.500	1/2 to 1	2-1/4	1-1/4-16LH	1.500
00334	330-1-2.000	1/2 to 1	2-1/4	1-1/4-16LH	2.000



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Play it safe with larger diameter wheels by using Sopko 3-1/2" OD wheel adapters. Manufactured with the same attention to detail, these Sopko adapters feature a high quality internal ground taper, thread ground OD threads, concentric and square ground surfaces, heat treated hub and nut with black oxide finish. Only Sopko offers all these valuable features.

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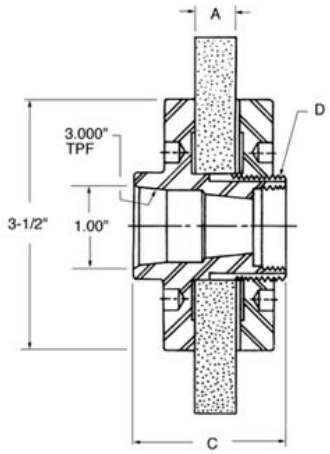


00235



00337

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
00135	135-1	3/4	1-15/16	1-1/4-16LH
00235	235-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00236	235-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00335	335-1	3/4 to 1	2-1/4	1-1/4-16LH
00336	335-2	3/4 to 1	2-1/4	1-1/4-16RH
00337	335-1B	1-1/2	2-3/4	1-1/4-16LH
00618	335-2A	1/2 to 1	2-1/4	1-1/4-16RH



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

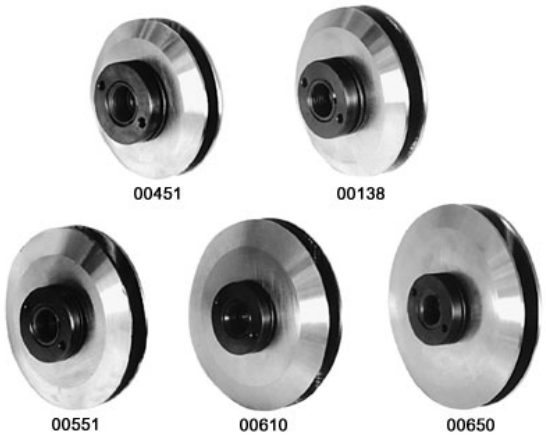
William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

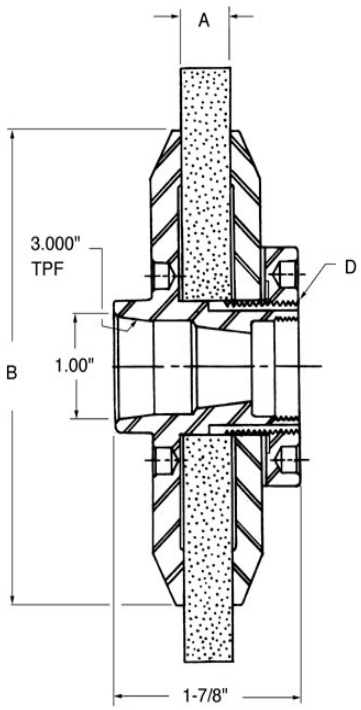
Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. DESIGNED FOR THIN CUT-OFF WHEELS AND DIAMOND WHEELS.

Sopko flanged adapters are machined from alloy steel. The resulting one piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design, and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00451	4.5-1	0 to 1/2	4-1/2	1-1/4-16LH
00452	4.5-2	0 to 1/2	4-1/2	1-1/4-16RH
00138	5.0-1	0 to 1/2	5	1-1/4-16LH
00139	5.0-2	0 to 1/2	5	1-1/4-16RH
00551	5.5-1	0 to 1/2	5-1/2	1-1/4-16LH
00552	5.5-2	0 to 1/2	5-1/2	1-1/4-16RH
00610	6.0-1	0 to 1/2	6	1-1/4-16LH
00612	6.0-2	0 to 1/2	6	1-1/4-16RH
00650	6.5-1	0 to 1/2	6-1/2	1-1/4-16LH
00652	6.5-2	0 to 1/2	6-1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

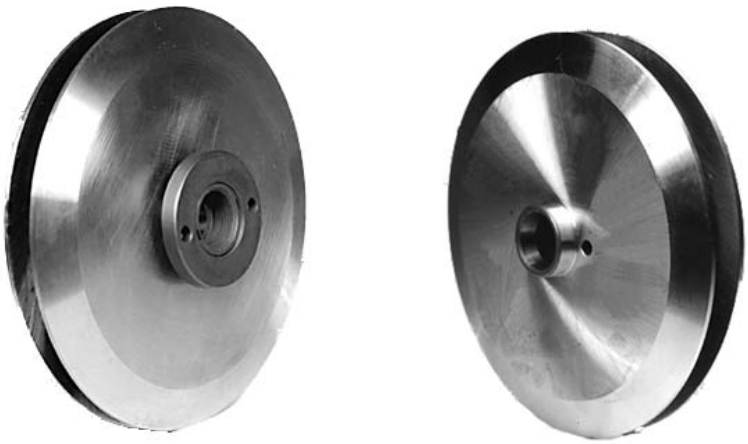
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

All the quality features you expect from Sopko are built into these larger diameter flanged wheel adapters too...

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.



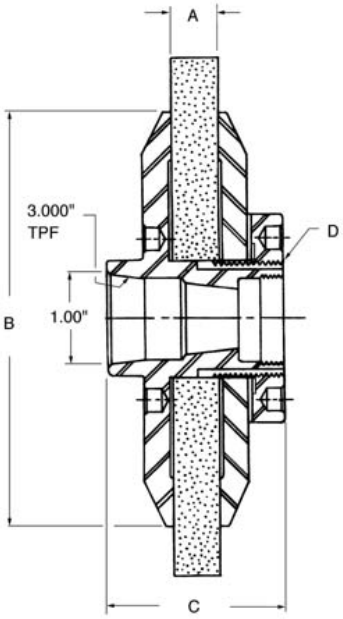
00710

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(Front Side) (Taper Side)

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00710 00712	7.0-1 7.0-2	0 to 1/2 0 to 1/2	7 7	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00750 00752	7.5-1 7.5-2	0 to 1/2 0 to 1/2	7-1/2 7-1/2	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00810 00812	8.0-1 8.0-2	0 to 1/2 0 to 1/2	8 8	2 2	1-1/4-16LH 1-1/4-16RH

See page 74 for available flanges.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.* FOR 2.000" AND 3.000" ID WHEELS.

Now you can extend the useful working life of 2.000" and 3.000" ID grinding wheels. There is no need to waste money by throwing worn wheels away. Extend wheel life, use Sopko 4-1/2" flanged diameter wheel adapters! Machined from forged alloy steel, the one-piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

All the quality features you expect from Sopko are built into these flanged wheel adapters for 2.000" ID and 3.000" ID grinding wheels.

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.
- Not for larger surface grinders (taper is 1.00" at LE).

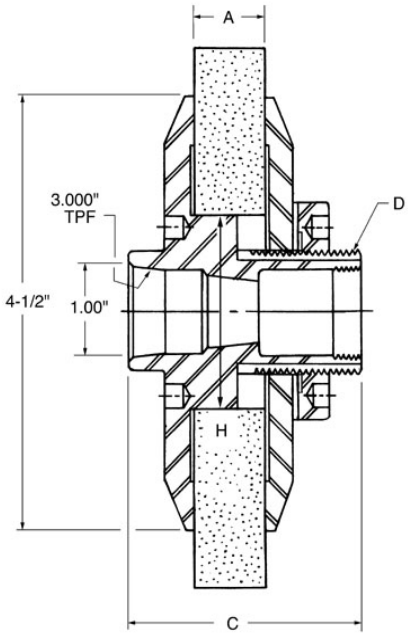
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00453



00455



SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D	H
00453	4.5-1-2	3/8 to 3/4	2-1/8	1-1/4-16LH	2.00
00454	4.5-2-2	3/8 to 3/4	2-1/8	1-1/4-16RH	2.00
00455	4.5-1-3	3/8 to 1	2-3/8	1-1/4-16LH	3.00
00456	4.5-2-3	3/8 to 1	2-3/8	1-1/4-16RH	3.00

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Balancing Wheel Adapters for Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

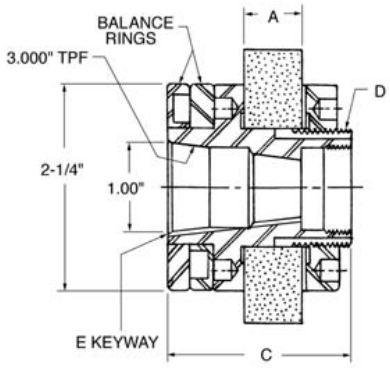
Sopko balancing rings have milled pockets with 180° arc-length. One end of the arc is permanently stamped with a reference line and arrow to designate direction of rotation. Unlike some balancing rings, Sopko “sandwiches” the milled pockets together inside the mated faces. Grinding grit can’t build up! Rings are lapped flat and ground for a precision fit. A nylon-tipped set screw secures each ring to the adapter hub. All balancing adapters furnished with a 3/32" hex wrench 00938.



00565



00106



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	E
00106	B100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00107	B100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00260	B200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00262	B200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00310	B300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00311	B300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00313	B300-1C	1	2-1/4	1-1/4-16LH	-
00312	B300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
50331**	ANB300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00338	B300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00404	B400-1A	2	3-3/16	1-1/4-16LH	-
00405	B400-2A	2	3-3/16	1-1/4-16RH	-
00410	B400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00412	B400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00504	B500-1A	3	4-3/16	1-1/4-16LH	-
00565	B500-1B	2 to 3	4-3/16	1-1/4-16LH	-

Use Sopko Balancing Adapters to:

- Increase productivity.
- Reduce downtime and maintenance.

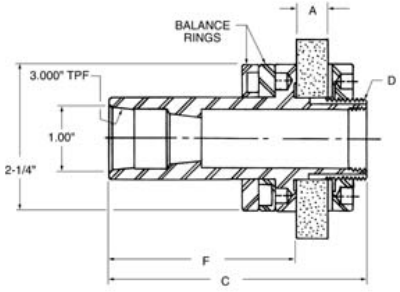
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00505	B500-2A	3	4-3/16	1-1/4-16RH	-
50305	B600-1B	3 to 4	5-3/16	1-1/4-16LH	-
50393	B1000-1A	8	9-3/16	1-1/4-16LH	-

- Produce low micro-finishes.
- Reduce wheel wear and truing frequency.
- Reduce costly spindle failures.

**Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.





00228

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	F
00228	B200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00229	B200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00244	B200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00219	B200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16

*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

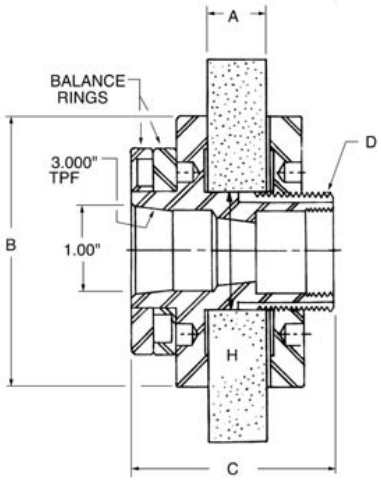
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.





00460

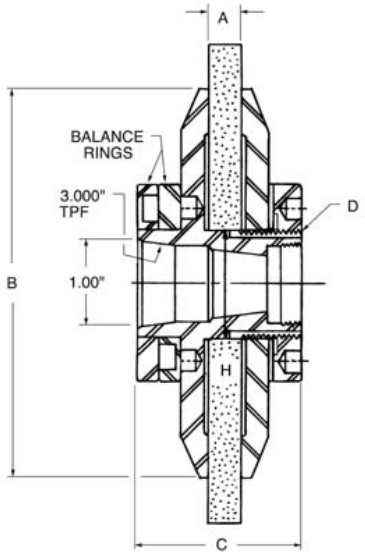
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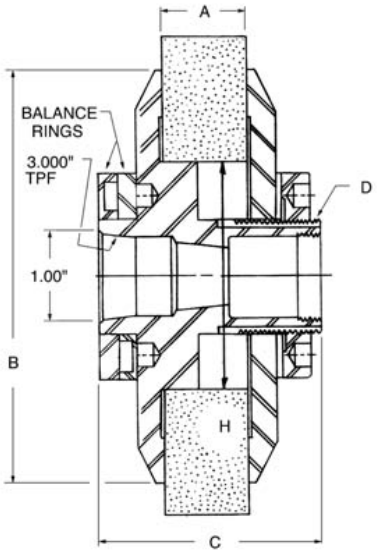
00248
(Front Side)



00251
(Taper Side)



SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000



*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Long Extended Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko LONG EXTENDED ADAPTERS are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinder applications where the operator must reach across a boss or other obstruction in order to grind. The adapters have also found wide application on cutter grinders and tap grinders.

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00203



00252

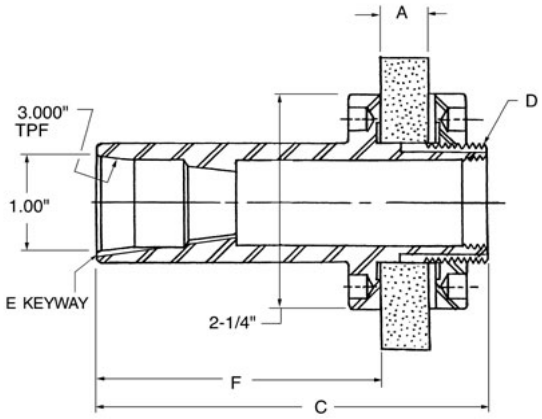


FIG. 1

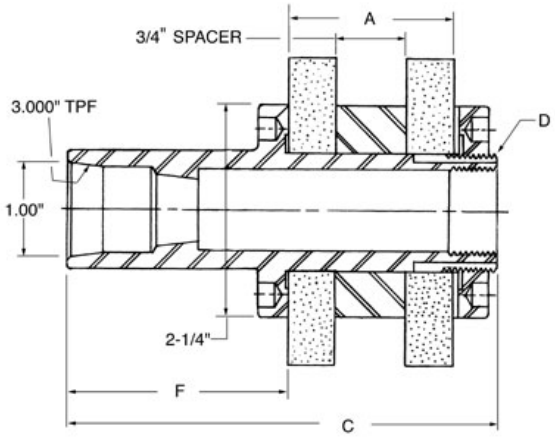


FIG. 2

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	C	D	E	F
00901	1	200-1LH-1/4	1/4 to 5/8	2	1-1/4-16LH	-	15/16
00203	1	200-1LH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	-	2-5/16
00204	1	200-2RH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	-	2-5/16
50315	1	200-1LH1-5/8KW	1/4 to 1/2	3-3/8	1-1/4-16LH	1/8	2-5/16
05256	1	200-1E-1-5/8	2-1/4	5-1/16	1-1/4-16LH	-	2-5/16
00252*	2	S200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00254	1	200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00214	1	200-1LH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	-	3-7/16
00215	1	200-2RH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	-	3-7/16

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Cup Wheel Extended Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Sopko cup wheel adapters are made with a THIN WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive wheel lock. A hardened and ground nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN UP during spindle rotation.

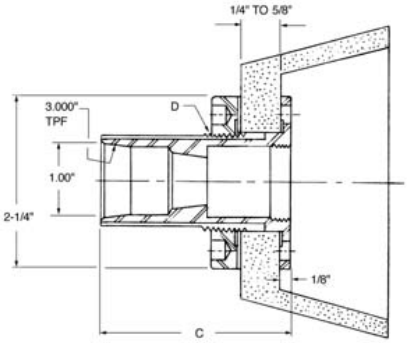




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	00263	00265	
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		C	D
00263	200-1CW	2-1/2	1-1/4-16LH
00264	200-2CW	2-1/2	1-1/4-16RH
00265	-	3-1/2	1-1/4-16LH
00266	-	3-1/2	1-1/4-16RH

*Grinding wheel not included.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Short I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All SHORT IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 1-1/4" wrench flat on the body makes installation and removal easy.

CHECK THESE FEATURES!

- ALL DIAMETERS GROUND for concentricity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- ALL COMPONENT PARTS HEAT TREATED for strength and long life.
- THREAD GROUND EXTERNAL THREADS for maximum concentricity and squareness.
- SPECIALS can be made to your requirements. Please specify wheel OD, width, and ID.


00759


00765

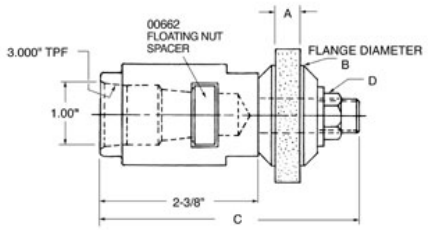

00769


00773


00775

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00759	200-3/8LH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16LH HEX
00760	200-3/8RH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16RH HEX
00761		1/2 to 3/4	2	3-7/8	3/8-16LH HEX
00762		1/2 to 3/4	2	3-7/8	3/8-16RH HEX
00763	200-1/2LH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13LH HEX
00764	200-1/2RH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13RH HEX
00765		3/8 to 5/8	2	3-7/8	1/2-13LH HEX
00766		3/8 to 5/8	2	3-7/8	1/2-13RH HEX
00769		1/2	2	3-7/8	5/8-18LH HEX
00770		1/2	2	3-7/8	5/8-18RH HEX
00773		1/2	2	4	3/4-16LH HEX
00774		1/2	2	4	3/4-16RH HEX
00775	200-1LH-S	1/2	2-1/2	4	1-20LH ROUND

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00776	200-1RH-S	1/2	2-1/2	4	1-20RH ROUND

Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16" wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

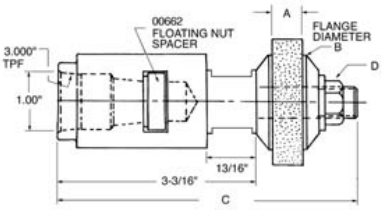


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16" wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

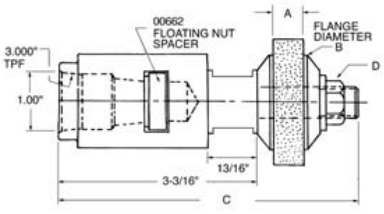


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Collet Chuck Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

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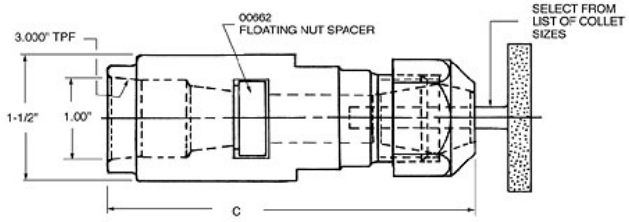
Widely used on surface grinders, the set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

THERE IS A DIFFERENCE WITH SOPKO!

- Collet Chuck Quills are ground all over for true CONCENTRICITY and BALANCE.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- Made from AMERICAN SUPERIOR QUALITY alloy steel and heat treated for optimum performance.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose angle to assure PROPER ENGAGEMENT of the grinding wheel shank.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C
00246	200-CCEA-S	2-15/16
00249	200-CCEA-L	4-15/16



6000 SERIES COLLETS** RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	**COLLET CAPACITY**
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

**Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Male Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

SHORT MALE EXTENSIONS provide increased utility because grinding wheels already mounted do not need to be dismounted. This feature is especially useful when grinding with diamond wheels. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut. A 1-1/8” wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

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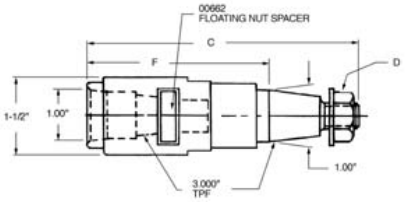


00237

LONG MALE EXTENSIONS are designed for even greater clearance possibilities with their added reach. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut.



00257



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F
00237	200-3-1/2LH	5-1/4	1/2-13LH	HEX 3-1/2
00238	200-3-1/2RH	5-1/4	1/2-13RH	HEX 3-1/2
00257	200-5LH	6-5/8	1/2-13LH	HEX 4-7/8
00258	200-5RH	6-5/8	1/2-13RH	HEX 4-7/8

* See page 76 for available hex spindle nut sizes.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Reversible Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way without redressing.

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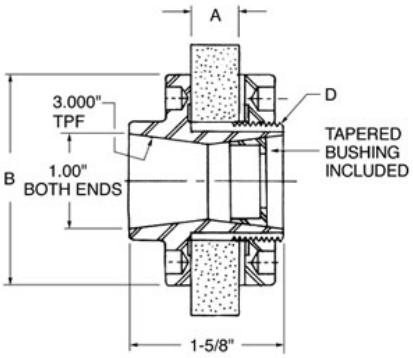
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for
  BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper and are securely locked against loosening by the wheel rotation.
- Manufactured from quality steel to withstand the rigors of daily use, then HARDENED and GROUND.

For use on all spindles having a 3.000" TPF with 1.00" diameter at large end of taper. Including: Boyar-Schultz, Bridgeport, Brown & Sharpe, DoAll, Excello, Foote Burt-Hammond, Harig, Norton, Parker Majestic, Pope, Reid, Sanford, Setco, Taft Pierce, and Whitnon.



00222

A precision ground double-taper and removable bushing make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. LH thread is standard.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00222	222RWA	1/4 to 1/2	2-1/4	1-1/4-16LH
00255	222RWA-R	1/4 to 1/2	2-1/4	1-1/4-16RH
00256	4.5-2RWA	0 to 1/2	4-1/2	1-1/4-16RH
00022	22-W	Replacement tapered bushing.		

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters For Metric Bore Wheels.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 32MM (1.217") ID WHEELS.



00174



00176

For 32MM Metric Bore Wheels

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00170



00172

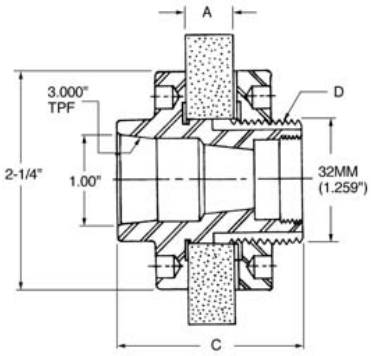


FIG. 1
For 32MM Metric Bore Wheels

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00170	1	1-100-1	1/2 to 3/4	1-7/8	1-1/4-16LH
00171	1	1-100-2	1/2 to 3/4	1-7/8	1-1/4-16RH
00172	1	2-200-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00173	1	2-200-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00174	1	3-300-1	3/4 to 1	2-1/4	1-1/4-16LH
00175	1	3-300-2	3/4 to 1	2-1/4	1-1/4-16RH
00176	2	2-230-1	1/4 to 1/2	1-3/4	1-1/4-16LH

*Other metric sizes quoted on request.

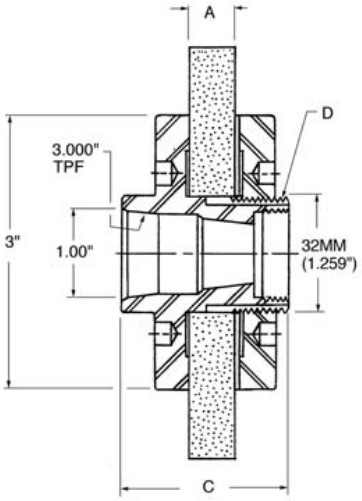


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

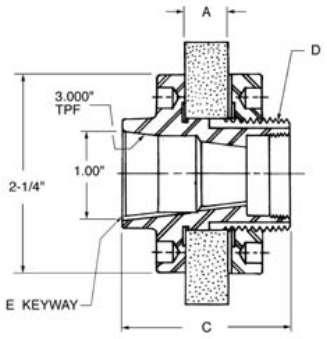
- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.

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00345 00348 00366

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSION A	C	D	E
00345	EN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00346	EN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00347	EN100-1C	3/4	1-7/8	1-1/4-16LH	-
00348	EN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00349	EN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00350*	ENA200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00351*	ENA200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00352**	ENK200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00353**	A2031-1	1/8 to 5/8	1-3/4	1-1/4-16LH	-
00355	EN200-1C	1/2	1-3/4	1-1/4-16LH	-
00364	EN300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00365	EN300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00368	EN300-1C	1	2-1/4	1-1/4-16LH	-
00369	EN300-2C	1	2-1/4	1-1/4-16RH	-
00356	A2031-2	3/8 to 1	2-1/4	1-1/4-16LH	-
00366	EN300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00367	EN300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00370	A2031-5	3/8 to 1-1/2	2-11/16	1-1/4-16LH	-



Electroless nickel plating available on all Sopko adapters at additional cost.
*Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.
** Keyway to face.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.
Sopko

Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.

- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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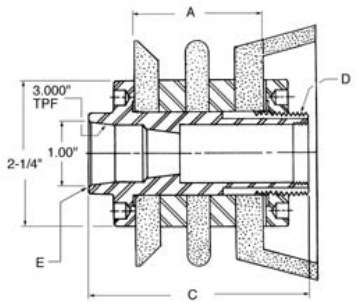


FIG. 1

00373 **00377**

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00371	1	EN400-1A	2	3-3/16	1-1/4-16LH
00372	1	EN400-2A	2	3-3/16	1-1/4-16RH
00373	1	EN400-1B	1 to 2	3-3/16	1-1/4-16LH
00374	1	EN400-2B	1 to 2	3-3/16	1-1/4-16RH
00376	1	EN500-1A	3	4-3/16	1-1/4-16LH
00377	1	EN500-1B	2 to 3	4-3/16	1-1/4-16LH
00378	1	A2031-4	1-3/4 to 3	4-3/16	1-1/4-16LH
00379	1	EN600-1A	4	5-3/16	1-1/4-16LH
00357	2	EN200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH

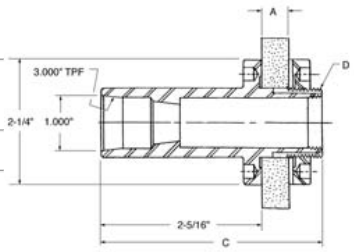


FIG. 2

Electroless nickel plating available on all Sopko adapters at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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01112



00651



00358



00360

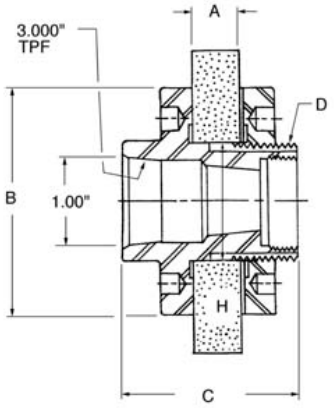


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250
00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250

Electroless nickel plating available on all Sopko adapters at additional cost.
*Balancing style adapter.

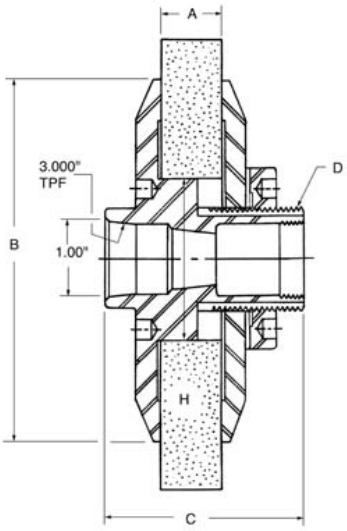


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Stainless Steel Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Made from 300 series stainless steel, and designed for applications that require the ultimate in corrosion resistance, these adapters are used widely in medical applications. They are anti-magnetic, which makes them ideal for cutting slots or grooves in magnetic materials. Hub, washer, and nut are all made from 300 series stainless steel.

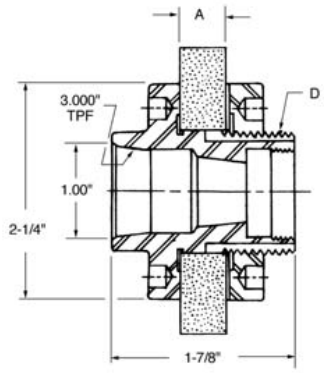
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00259



00267



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00259	SS100-1	3/8 to 3/4	1-1/4-16LH
00261	SS100-2	3/8 to 3/4	1-1/4-16RH
00211	S100/200-1	1/2 to 3/4	1-1/4-16LH
00267	SS100/200-2	1/2 to 3/4	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

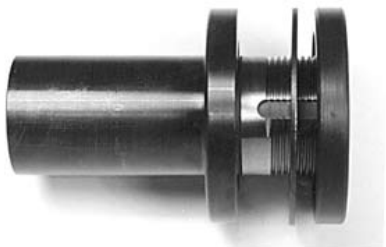
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32” Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



00719



00716

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00721

Note: 3/32" Keyway in small end of taper only

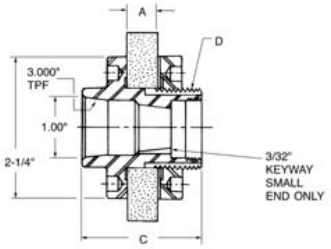


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	F
00716	1	U200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00717**	1	BU200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00718	1	U200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00719	2	U200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00720	2	U200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00721	2	U200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00423	2	U200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16
00722	1	U300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00709	1	U300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00723	1	U300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00193**	1	BU300-1	3/4 to 1	2-1/4	1-1/4-16LH	-

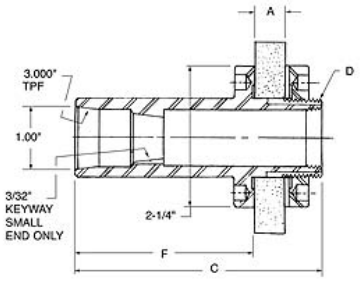


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

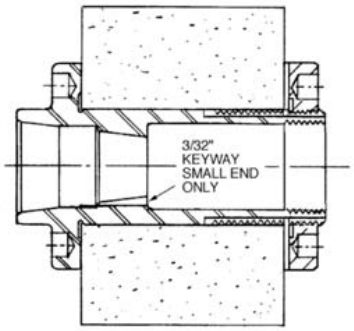
Standard Taper Wheel Adapters
With 3/32" Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



Note: 3/32" Keyway in small end of taper only

00725



SOPKO	SOPKO	DIMENSIONS

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CATALOG NO.	FIG.	PART NO.	A	C	D
00724	1	U400-1A	2	3-3/16	1-1/4-16LH
00725	1	U400-1B	1 to 2	3-3/16	1-1/4-16LH
00726	1	U400-2A	2	3-3/16	1-1/4-16RH
00727**	1	BU400-1B	1 to 2	3-3/16	1-1/4-16LH
00728	1	U500-1A	3	4-3/16	1-1/4-16LH
50320	1	U500-2A	3	4-3/16	1-1/4-16RH
00729	1	U500-1B	2 to 3	4-3/16	1-1/4-16LH
00730	1	U600-1A	4	5-3/16	1-1/4-16LH
00606	1	U600-1B	3 to 4	5-3/16	1-1/4-16LH
00732	2	U330-1	3/4 to 1	2-1/4	1-1/4-16LH
00733	2	U430-1A	2	3-1/4	1-1/4-16LH
00734	2	U430-1B	1 to 2	3-1/4	1-1/4-16LH

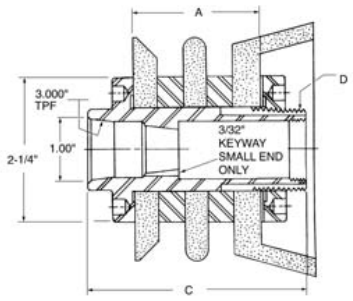


FIG. 1

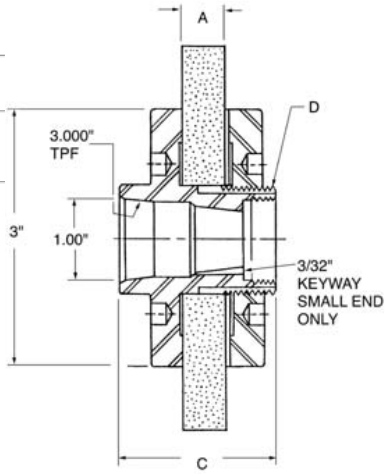


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.



00739

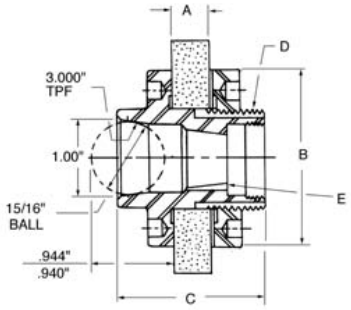


FIG. 1

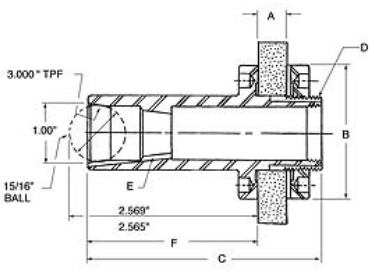


FIG. 2

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00738



00737

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

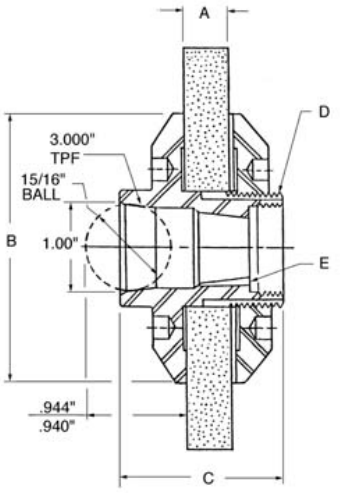


FIG. 3

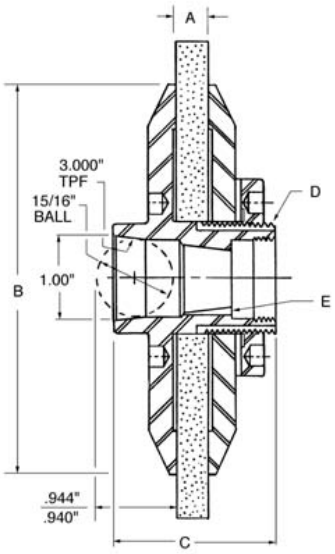


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Wheel Adapters
With Glare Gear Assembly.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The UNIQUE GRINDING WHEEL LOCKING SYSTEM that eliminates damage to grinding wheels and spindle bearings caused by hammering. Also provides best possible mounting concentricity when tightening diamond, CBN, or vitrified wheels.

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01231**



01235

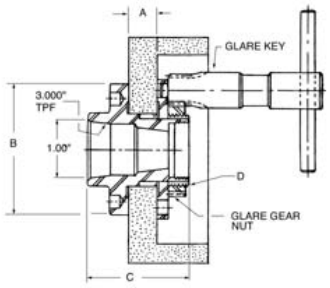


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS					
			A	B	C	D	E	F
01231	1	GG100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-	-
01232	1	GG100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-	-
01233	1	GG200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-	-
01234	1	GG200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-	-
01235	1	GG220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	-	-
01236	1	GG300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-	-
01237	1	GG300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	-	-
00159	1	GG300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	-	-
00127	1	GG400-1A	2	2-1/4	3-3/16	1-1/4-16LH	-	-
00566	1	GG400-2A	2	2-1/4	3-3/16	1-1/4-16RH	-	-
00189	1	GG400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	-	-
00417	1	GG500-1A	3	2-1/4	4-3/16	1-1/4-16LH	-	-
00462	1	GG500-2A	3	2-1/4	4-3/16	1-1/4-16RH	-	-
00704	1	GG500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	-	-
01282	3	GG200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-	2-5/16
00687	3	GG200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	-	3-7/16
00740*	2	GGU100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	3/32	-
00741*	2	GGU100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	3/32	-
00742*	2	GGU200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32	-
00743*	2	GGU200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	3/32	-
00744*	2	GGU300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	3/32	-
00745*	2	GGU300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	3/32	-
00746*	2	GGU300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	3/32	-
00747*	2	GGU400-1A	2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00748*	2	GGU400-2A	2	2-1/4	3-3/16	1-1/4-16RH	3/32	-
00194*	2	GGU400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00324*	2	GGU500-1A	3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00548*	2	GGU500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00320*	3	GGU200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/32	2-5/16
00595*	3	GGU200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3/32	3-7/16
50329*	3	GGU200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	3/32	2-5/16

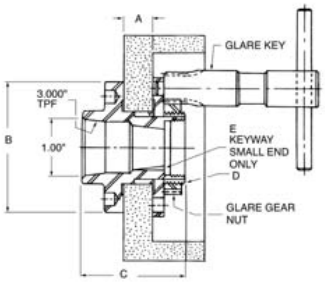


FIG. 2

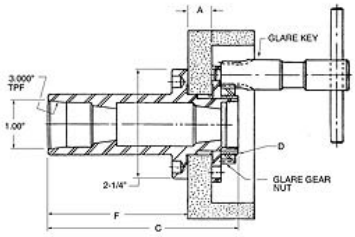


FIG. 3

See page 73 for complete selection of Glare Gear components.
Glare Gear Assemblies can be furnished with all 1-1/4" ID adapters.
List above is stocked product only.
*For grinding machines manufactured by Unison Corp., Ferndale, MI.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Pin Slot Wheel Adapters for Reversing Spindles.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.

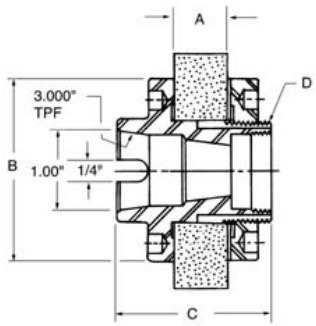


FIG. 1

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00094



00275



00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F
00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-
00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

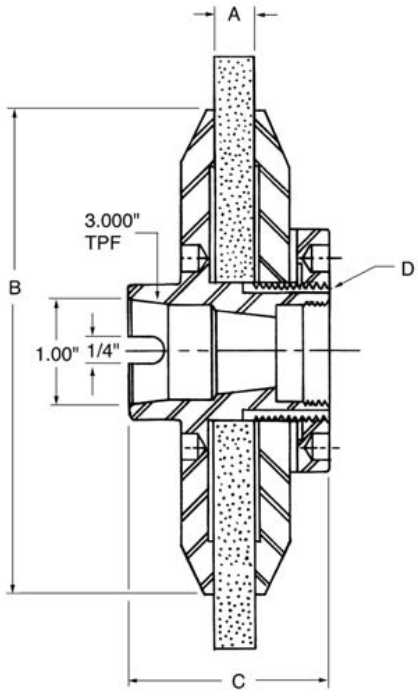


FIG. 2

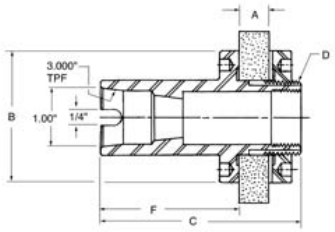


FIG. 3

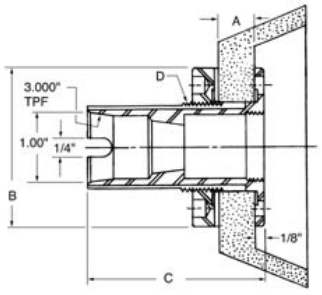


FIG. 4

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Adapters for Rockwell, Rockwell-Delta, Rockwell-Milwaukee Grinders, Harig, and Model 25 Grinder Manufactured by

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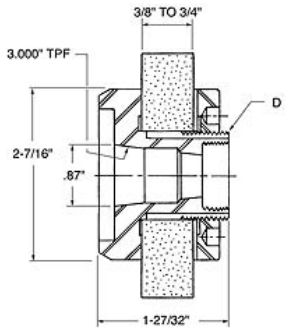
Gallmeyer & Livingston Co., Grand Rapids, MI.

3.000" TPF, 4.256" TPF, AND 4.250" TPF WITH 0.87", 1.00", AND 1.12" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Adapters for Rockwell, Rockwell-Delta, and Rockwell-Milwaukee grinders.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
00815	24-816-LH	1-1/4-16LH
00816	24-816-RH	1-1/4-16RH





00815

TML adapter for older Harig surface grinders.

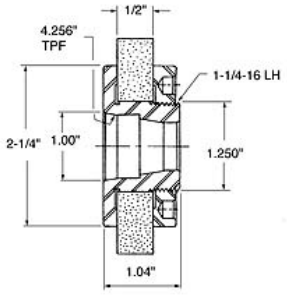
SOPKO CATALOG NO.
00169



(Front Side)



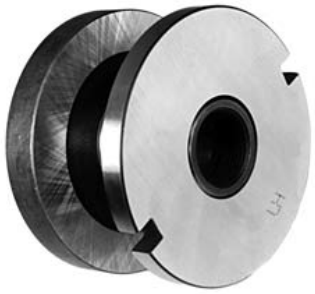
(Taper Side)



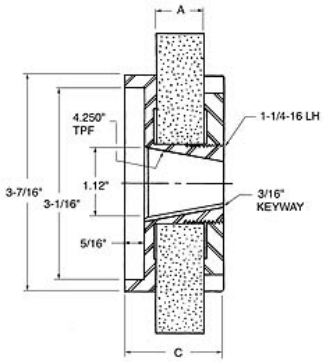
00169

The Gallmeyer & Livingston Model 25 Grand Rapids Hydraulic Feed Grinder adapters feature a SHROUDED DESIGN to keep contamination away from the spindle. State of the art THREAD GRINDING of the hub, and CONCENTRIC AND SQUARE GROUND FLANGE SURFACES provide better workpiece finishes because the grinding wheel is locked precisely against the adapter face. Lasting quality, performance, and value are optimized with HEAT TREATING and BLACK OXIDE FINISH.

SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00526	1/2 to 3/4	1-9/16
00527	1	1-7/8
00528	1 to 1-1/4	2-1/16



00528



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

How did we create the Sopko legacy? Attention to detail and an unremitting commitment to quality that generations of grinding professionals have come to know as the unmatched standard of the industry. Today, customers are still asking for value, performance, and precision.
It's been nearly 50 years; we're still listening.

- HIGH QUALITY INTERNAL TAPERS for precision mounting.
- THREAD GROUND OD THREADS for maximum concentricity and squareness.
- HEAT TREATED COMPONENT PARTS for strength and reliability.
- CONCENTRIC and SQUARE GROUND SURFACES for better workpiece finishes.
- BLACK OXIDE FINISH to protect your investment.



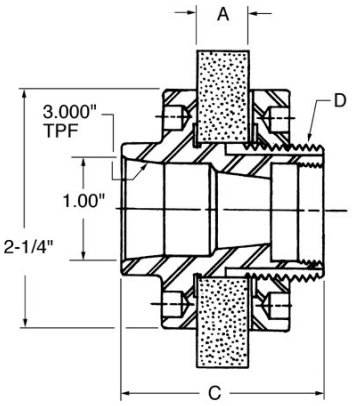


FIG. 1

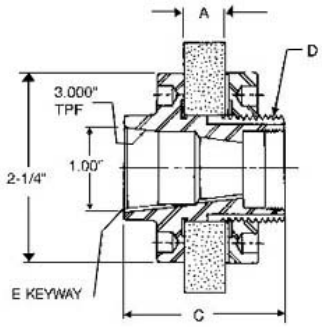


FIG. 2

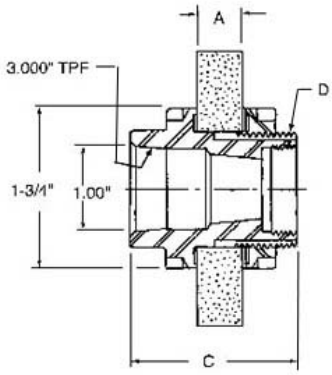


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	E
00100	1	100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00102	1	100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00105	1	100-1C	3/4	1-7/8	1-1/4-16LH	-
00101*	2	AN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	3/16
50183*	2	AN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	3/16
00112	2	KW100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	1/8
00200	1	200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00202	1	200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00208	1	K200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00216	1	K200-2	1/8 to 1/2	1-3/4	1-1/4-16RH	-
00217	1	200-1C	1/2	1-3/4	1-1/4-16LH	-
00201*	2	AN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00225*	2	AN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00226	2	KW200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	1/8
00227	2	KW200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	1/8
00300	1	300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00303*	2	AN-300-1	3/4 to 1	2-1/4	1-1/4-16LH	3/16
00308*	2	AN-300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00302	1	300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00301	1	300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00304	1	300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00305	1	300-1C	1	2-1/4	1-1/4-16LH	-
00306	1	300-2C	1	2-1/4	1-1/4-16RH	-
00307	1	R300-2B	1/2 to 1-1/2	2-11/16	1-1/4-16RH	-
50319	2	KW300-1	3/4 to 1	2-1/4	1-1/4-16LH	1/8
00686	2	KW300-2	3/4 to 1	2-1/4	1-1/4-16RH	1/8
00207	3	X200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00245	3	X200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

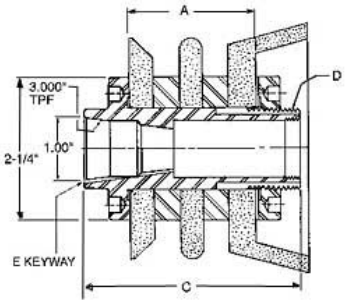
CAUTION!
Always Wear Safety Goggles When Griding.

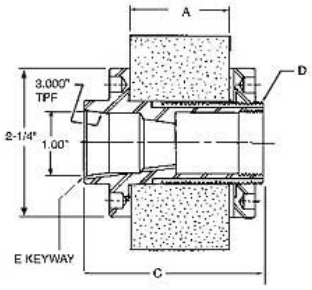
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko is more than quality products; it's quality service too. You can be sure of quick personalized service every time you call. We know you don't have a lot of time to waste listening to phone recordings. You'll be talking to real people with answers to your grinding accessory needs.

- SAME DAY shipment of standard product.
- FRIENDLY and KNOWLEDGEABLE people with INFORMATION you need.
- The LARGEST STOCK of precision grinding accessories in America.
- The source for SPECIAL GRINDING ACCESSORIES made to your specifications.







SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	E
00400	400-1A	2	3-3/16	1-1/4-16LH	-
00402	400-2A	2	3-3/16	1-1/4-16RH	-
00401	400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00403	400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00406	400-1C	1-3/4 to 2	3-3/16	1-1/4-16LH	-
00415	400-2C	1-3/4 to 2	3-3/16	1-1/4-16RH	-
00327*	AN400-1B	1 to 2	3-3/16	1-1/4-16LH	3/16
00413	-	2-1/2 to 2-3/4	3-13/16	1-1/4-16LH	-
00414	-	2-1/2 to 2-5/8	3-3/4	1-1/4-16LH	-
00500	500-1A	3	4-3/16	1-1/4-16LH	-
00502	500-2A	3	4-3/16	1-1/4-16RH	-
00501	500-1B	2 to 3	4-3/16	1-1/4-16LH	-
00503	500-2B	2 to 3	4-3/16	1-1/4-16RH	-
00506	500-1C	1-1/2 to 3	4-3/16	1-1/4-16LH	-
00600	600-1A	4	5-3/16	1-1/4-16LH	-
00602	600-2A	4	5-3/16	1-1/4-16RH	-
00601	600-1B	3 to 4	5-3/16	1-1/4-16LH	-
00604	600-2B	3 to 4	5-3/16	1-1/4-16RH	-
00605	600-1C	3-5/8 to 4	5-3/16	1-1/4-16LH	-
00701	700-1B	4-1/2	5-11/16	1-1/4-16LH	-
00702	700-1C	5	6-3/16	1-1/4-16LH	-
00800	800-1A	6	7-3/16	1-1/4-16LH	-
00801	800-1B	5 to 6	7-3/16	1-1/4-16LH	-
00900	900-1A	7	8-3/16	1-1/4-16LH	-
00999	1000-1A	8	9-3/16	1-1/4-16LH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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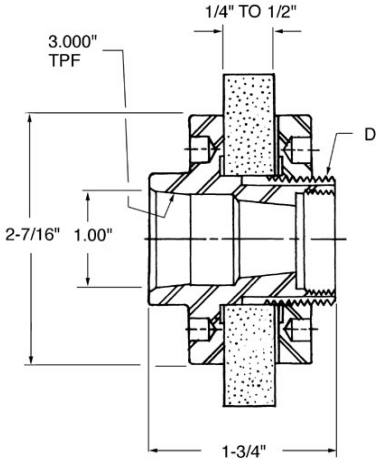
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

00220 (220-1) is the standard replacement adapter for Bridgeport-Harig and Parker PM Majestic grinding machines using 7" diameter wheels.



00220

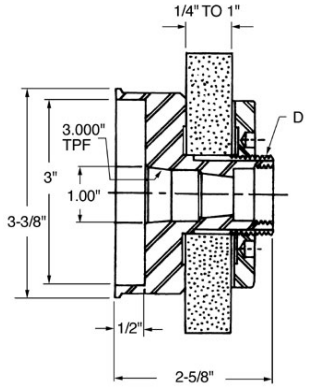


SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00220	220-1	1-1/4-16LH
00221	220-2	1-1/4-16RH

Providing optimum protection against contamination to the wheelhead spindle nose, these high-quality SHROUDED ADAPTERS are designed for performance. Sopko assures this standard with quality features like PRECISION GROUND TAPERS and CONCENTRICALLY GROUND AND SQUARE surfaces to maximize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these adapters because Sopko HEAT TREATS every one.



(Front Side) 00180 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00180	2BY-LH	1-1/4-16LH
00181	2BY-RH	1-1/4-16RH

See page 60 for Pope style shrouded adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250", 1.500", AND 2.000" ID WHEELS.

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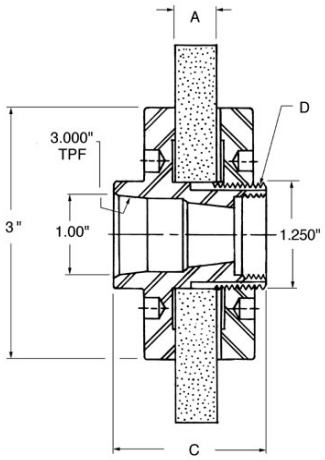


00130



00430

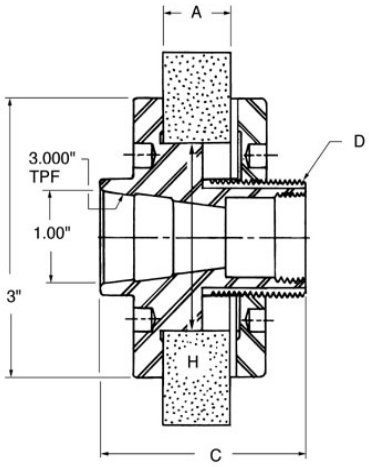
SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D
00130	130-1	3/4	1-15/16	1-1/4-16LH
00132	130-2	3/4	1-15/16	1-1/4-16RH
00230	230-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00232	230-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00330	330-1	3/4 to 1	2-1/4	1-1/4-16LH
00332	330-2	3/4 to 1	2-1/4	1-1/4-16RH
00331	330-1S	3/8 to 1	2-1/4	1-1/4-16LH
00386	330-2S	3/8 to 1	2-1/4	1-1/4-16RH
00430	430-1A	2	3-1/4	1-1/4-16LH
00432	430-2A	2	3-1/4	1-1/4-16RH
00431	430-1B	1 to 2	3-1/4	1-1/4-16LH
00433	430-2B	1 to 2	3-1/4	1-1/4-16RH
00434	430-1D	2-1/4 to 2-1/2	3-3/4	1-1/4-16LH
00435	430-1E	1-1/2 to 2	3-1/4	1-1/4-16LH





00334

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	H
00333	330-1-1.500	1/2 to 1	2-1/4	1-1/4-16LH	1.500
00334	330-1-2.000	1/2 to 1	2-1/4	1-1/4-16LH	2.000



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Play it safe with larger diameter wheels by using Sopko 3-1/2" OD wheel adapters. Manufactured with the same attention to detail, these Sopko adapters feature a high quality internal ground taper, thread ground OD threads, concentric and square ground surfaces, heat treated hub and nut with black oxide finish. Only Sopko offers all these valuable features.

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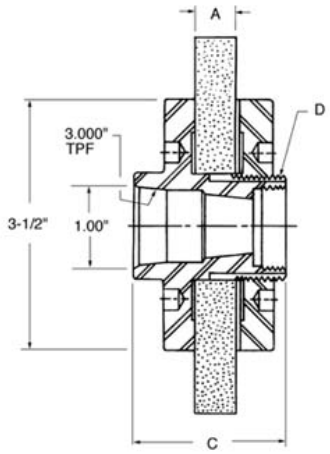


00235



00337

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
00135	135-1	3/4	1-15/16	1-1/4-16LH
00235	235-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00236	235-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00335	335-1	3/4 to 1	2-1/4	1-1/4-16LH
00336	335-2	3/4 to 1	2-1/4	1-1/4-16RH
00337	335-1B	1-1/2	2-3/4	1-1/4-16LH
00618	335-2A	1/2 to 1	2-1/4	1-1/4-16RH



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

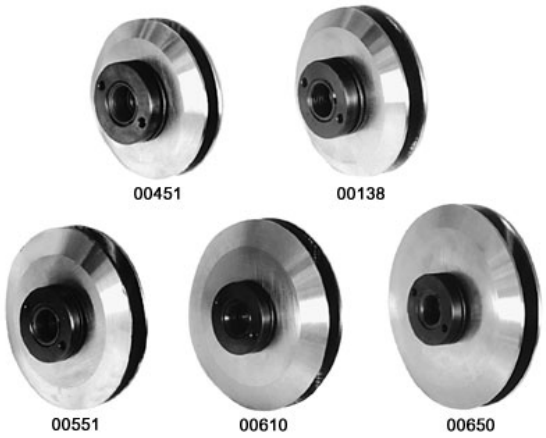
CAUTION!
Always Wear Safety Goggles When Griding.

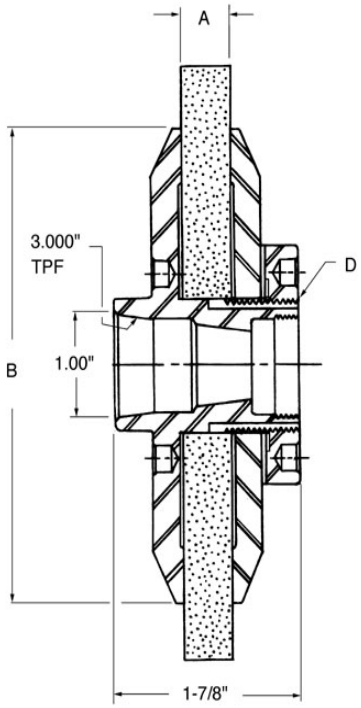
Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. DESIGNED FOR THIN CUT-OFF WHEELS AND DIAMOND WHEELS.

Sopko flanged adapters are machined from alloy steel. The resulting one piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design, and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00451	4.5-1	0 to 1/2	4-1/2	1-1/4-16LH
00452	4.5-2	0 to 1/2	4-1/2	1-1/4-16RH
00138	5.0-1	0 to 1/2	5	1-1/4-16LH
00139	5.0-2	0 to 1/2	5	1-1/4-16RH
00551	5.5-1	0 to 1/2	5-1/2	1-1/4-16LH
00552	5.5-2	0 to 1/2	5-1/2	1-1/4-16RH
00610	6.0-1	0 to 1/2	6	1-1/4-16LH
00612	6.0-2	0 to 1/2	6	1-1/4-16RH
00650	6.5-1	0 to 1/2	6-1/2	1-1/4-16LH
00652	6.5-2	0 to 1/2	6-1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

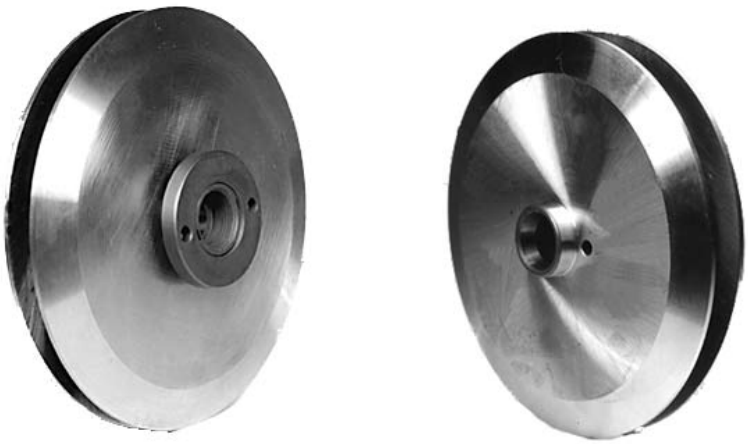
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

All the quality features you expect from Sopko are built into these larger diameter flanged wheel adapters too...

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.



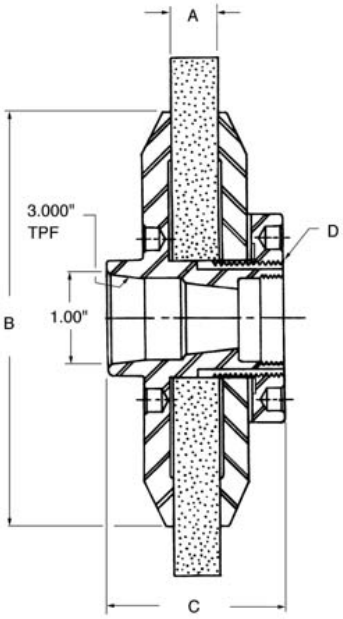
00710

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(Front Side) (Taper Side)

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00710 00712	7.0-1 7.0-2	0 to 1/2 0 to 1/2	7 7	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00750 00752	7.5-1 7.5-2	0 to 1/2 0 to 1/2	7-1/2 7-1/2	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00810 00812	8.0-1 8.0-2	0 to 1/2 0 to 1/2	8 8	2 2	1-1/4-16LH 1-1/4-16RH

See page 74 for available flanges.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.* FOR 2.000" AND 3.000" ID WHEELS.

Now you can extend the useful working life of 2.000" and 3.000" ID grinding wheels. There is no need to waste money by throwing worn wheels away. Extend wheel life, use Sopko 4-1/2" flanged diameter wheel adapters! Machined from forged alloy steel, the one-piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

All the quality features you expect from Sopko are built into these flanged wheel adapters for 2.000" ID and 3.000" ID grinding wheels.

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.
- Not for larger surface grinders (taper is 1.00" at LE).

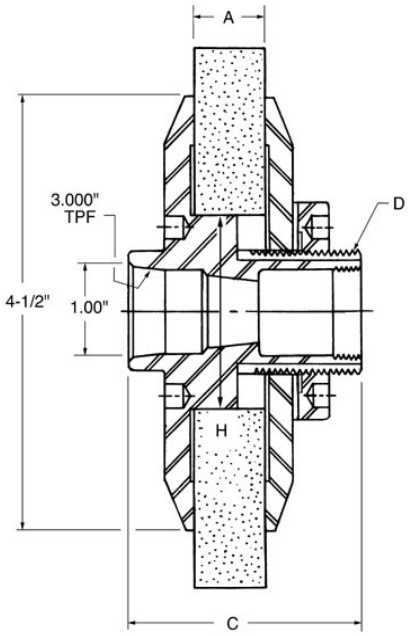
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00453



00455



SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D	H
00453	4.5-1-2	3/8 to 3/4	2-1/8	1-1/4-16LH	2.00
00454	4.5-2-2	3/8 to 3/4	2-1/8	1-1/4-16RH	2.00
00455	4.5-1-3	3/8 to 1	2-3/8	1-1/4-16LH	3.00
00456	4.5-2-3	3/8 to 1	2-3/8	1-1/4-16RH	3.00

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Balancing Wheel Adapters for Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

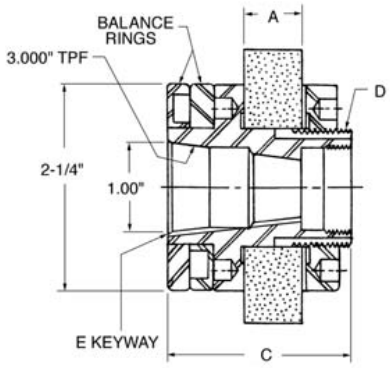
Sopko balancing rings have milled pockets with 180° arc-length. One end of the arc is permanently stamped with a reference line and arrow to designate direction of rotation. Unlike some balancing rings, Sopko “sandwiches” the milled pockets together inside the mated faces. Grinding grit can’t build up! Rings are lapped flat and ground for a precision fit. A nylon-tipped set screw secures each ring to the adapter hub. All balancing adapters furnished with a 3/32" hex wrench 00938.



00565



00106



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	E
00106	B100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00107	B100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00260	B200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00262	B200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00310	B300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00311	B300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00313	B300-1C	1	2-1/4	1-1/4-16LH	-
00312	B300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
50331**	ANB300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00338	B300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00404	B400-1A	2	3-3/16	1-1/4-16LH	-
00405	B400-2A	2	3-3/16	1-1/4-16RH	-
00410	B400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00412	B400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00504	B500-1A	3	4-3/16	1-1/4-16LH	-
00565	B500-1B	2 to 3	4-3/16	1-1/4-16LH	-

Use Sopko Balancing Adapters to:

- Increase productivity.
- Reduce downtime and maintenance.

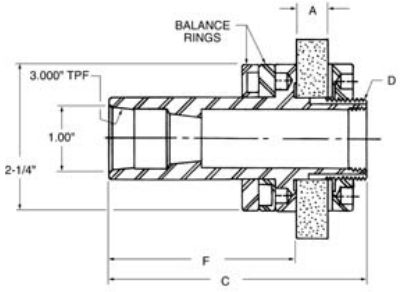
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00505	B500-2A	3	4-3/16	1-1/4-16RH	-
50305	B600-1B	3 to 4	5-3/16	1-1/4-16LH	-
50393	B1000-1A	8	9-3/16	1-1/4-16LH	-

- Produce low micro-finishes.
- Reduce wheel wear and truing frequency.
- Reduce costly spindle failures.

**Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.





00228

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	F
00228	B200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00229	B200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00244	B200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00219	B200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16

*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

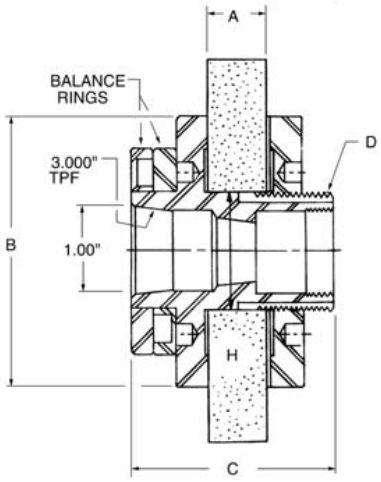
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.





00460

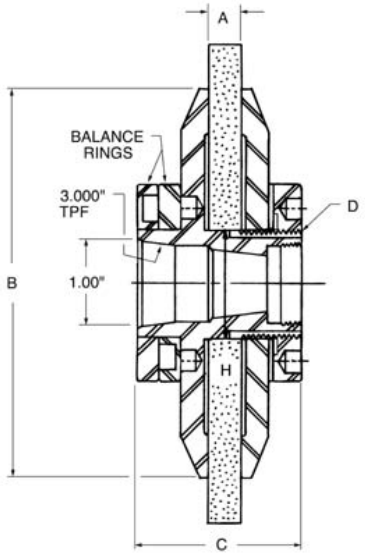
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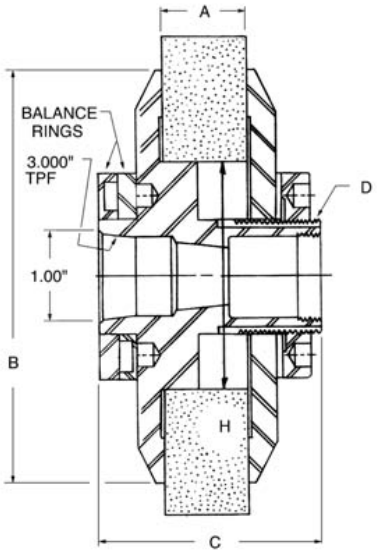
00248
(Front Side)



00251
(Taper Side)



SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000



*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Long Extended Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko LONG EXTENDED ADAPTERS are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinder applications where the operator must reach across a boss or other obstruction in order to grind. The adapters have also found wide application on cutter grinders and tap grinders.

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00203



00252

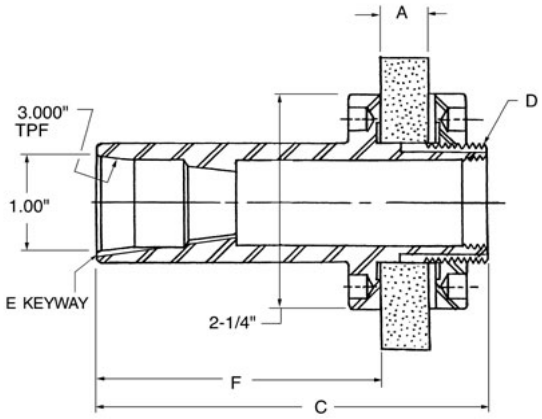


FIG. 1

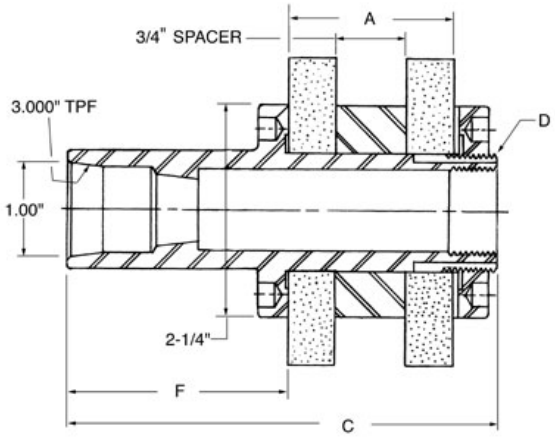


FIG. 2

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	C	D	E	F
00901	1	200-1LH-1/4	1/4 to 5/8	2	1-1/4-16LH	-	15/16
00203	1	200-1LH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	-	2-5/16
00204	1	200-2RH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	-	2-5/16
50315	1	200-1LH1-5/8KW	1/4 to 1/2	3-3/8	1-1/4-16LH	1/8	2-5/16
05256	1	200-1E-1-5/8	2-1/4	5-1/16	1-1/4-16LH	-	2-5/16
00252*	2	S200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00254	1	200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00214	1	200-1LH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	-	3-7/16
00215	1	200-2RH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	-	3-7/16

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Cup Wheel Extended Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Sopko cup wheel adapters are made with a THIN WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive wheel lock. A hardened and ground nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN UP during spindle rotation.

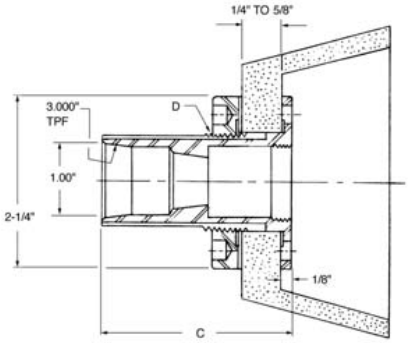




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	00263	00265	
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		C	D
00263	200-1CW	2-1/2	1-1/4-16LH
00264	200-2CW	2-1/2	1-1/4-16RH
00265	-	3-1/2	1-1/4-16LH
00266	-	3-1/2	1-1/4-16RH

*Grinding wheel not included.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Short I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All SHORT IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 1-1/4" wrench flat on the body makes installation and removal easy.

CHECK THESE FEATURES!

- ALL DIAMETERS GROUND for concentricity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- ALL COMPONENT PARTS HEAT TREATED for strength and long life.
- THREAD GROUND EXTERNAL THREADS for maximum concentricity and squareness.
- SPECIALS can be made to your requirements. Please specify wheel OD, width, and ID.


00759


00765

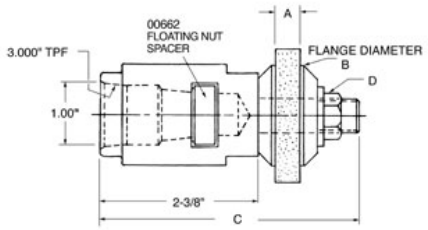

00769


00773


00775

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00759	200-3/8LH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16LH HEX
00760	200-3/8RH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16RH HEX
00761		1/2 to 3/4	2	3-7/8	3/8-16LH HEX
00762		1/2 to 3/4	2	3-7/8	3/8-16RH HEX
00763	200-1/2LH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13LH HEX
00764	200-1/2RH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13RH HEX
00765		3/8 to 5/8	2	3-7/8	1/2-13LH HEX
00766		3/8 to 5/8	2	3-7/8	1/2-13RH HEX
00769		1/2	2	3-7/8	5/8-18LH HEX
00770		1/2	2	3-7/8	5/8-18RH HEX
00773		1/2	2	4	3/4-16LH HEX
00774		1/2	2	4	3/4-16RH HEX
00775	200-1LH-S	1/2	2-1/2	4	1-20LH ROUND

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00776	200-1RH-S	1/2	2-1/2	4	1-20RH ROUND

Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16" wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

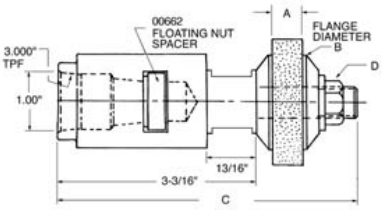


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16" wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

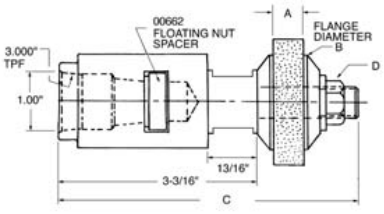


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Collet Chuck Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

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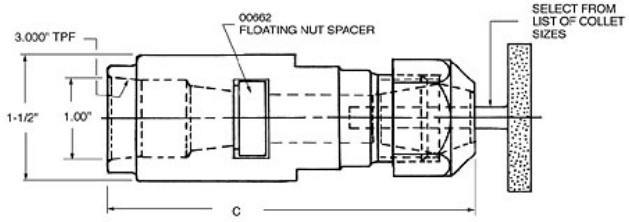
Widely used on surface grinders, the set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

THERE IS A DIFFERENCE WITH SOPKO!

- Collet Chuck Quills are ground all over for true CONCENTRICITY and BALANCE.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- Made from AMERICAN SUPERIOR QUALITY alloy steel and heat treated for optimum performance.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose angle to assure PROPER ENGAGEMENT of the grinding wheel shank.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C
00246	200-CCEA-S	2-15/16
00249	200-CCEA-L	4-15/16



6000 SERIES COLLETS** RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	**COLLET CAPACITY**
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

**Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Male Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

SHORT MALE EXTENSIONS provide increased utility because grinding wheels already mounted do not need to be dismounted. This feature is especially useful when grinding with diamond wheels. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut. A 1-1/8” wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

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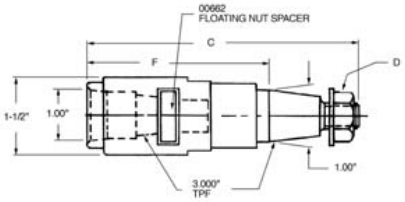


00237

LONG MALE EXTENSIONS are designed for even greater clearance possibilities with their added reach. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut.



00257



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F
00237	200-3-1/2LH	5-1/4	1/2-13LH	HEX 3-1/2
00238	200-3-1/2RH	5-1/4	1/2-13RH	HEX 3-1/2
00257	200-5LH	6-5/8	1/2-13LH	HEX 4-7/8
00258	200-5RH	6-5/8	1/2-13RH	HEX 4-7/8

* See page 76 for available hex spindle nut sizes.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Reversible Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way without redressing.

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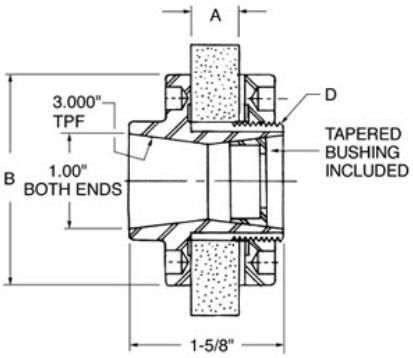
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for
  BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper and are securely locked against loosening by the wheel rotation.
- Manufactured from quality steel to withstand the rigors of daily use, then HARDENED and GROUND.

For use on all spindles having a 3.000" TPF with 1.00" diameter at large end of taper. Including: Boyar-Schultz, Bridgeport, Brown & Sharpe, DoAll, Excello, Foote Burt-Hammond, Harig, Norton, Parker Majestic, Pope, Reid, Sanford, Setco, Taft Pierce, and Whitnon.



00222

A precision ground double-taper and removable bushing make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. LH thread is standard.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00222	222RWA	1/4 to 1/2	2-1/4	1-1/4-16LH
00255	222RWA-R	1/4 to 1/2	2-1/4	1-1/4-16RH
00256	4.5-2RWA	0 to 1/2	4-1/2	1-1/4-16RH
00022	22-W	Replacement tapered bushing.		

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters For Metric Bore Wheels.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 32MM (1.217") ID WHEELS.



00174



00176

For 32MM Metric Bore Wheels

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00170



00172

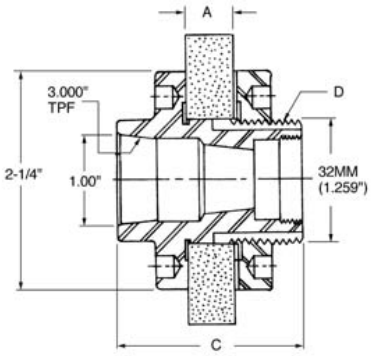


FIG. 1
For 32MM Metric Bore Wheels

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00170	1	1-100-1	1/2 to 3/4	1-7/8	1-1/4-16LH
00171	1	1-100-2	1/2 to 3/4	1-7/8	1-1/4-16RH
00172	1	2-200-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00173	1	2-200-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00174	1	3-300-1	3/4 to 1	2-1/4	1-1/4-16LH
00175	1	3-300-2	3/4 to 1	2-1/4	1-1/4-16RH
00176	2	2-230-1	1/4 to 1/2	1-3/4	1-1/4-16LH

*Other metric sizes quoted on request.

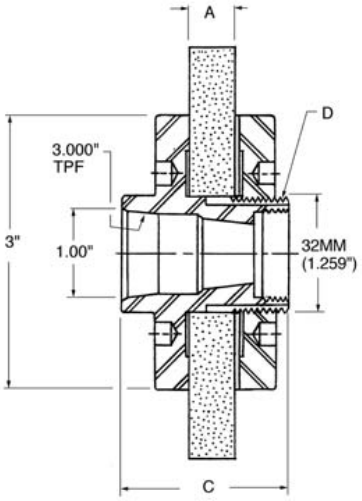


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

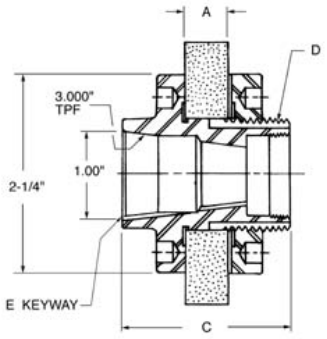
- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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00345 00348 00366

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSION A	C	D	E
00345	EN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00346	EN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00347	EN100-1C	3/4	1-7/8	1-1/4-16LH	-
00348	EN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00349	EN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00350*	ENA200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00351*	ENA200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00352**	ENK200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00353**	A2031-1	1/8 to 5/8	1-3/4	1-1/4-16LH	-
00355	EN200-1C	1/2	1-3/4	1-1/4-16LH	-
00364	EN300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00365	EN300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00368	EN300-1C	1	2-1/4	1-1/4-16LH	-
00369	EN300-2C	1	2-1/4	1-1/4-16RH	-
00356	A2031-2	3/8 to 1	2-1/4	1-1/4-16LH	-
00366	EN300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00367	EN300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00370	A2031-5	3/8 to 1-1/2	2-11/16	1-1/4-16LH	-



Electroless nickel plating available on all Sopko adapters at additional cost.
*Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.
** Keyway to face.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.
Sopko

Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.

- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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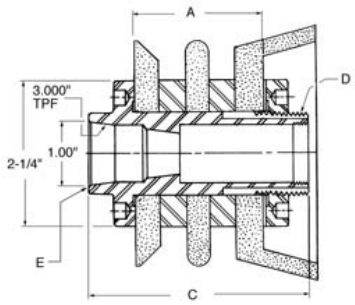


FIG. 1

00373 **00377**

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00371	1	EN400-1A	2	3-3/16	1-1/4-16LH
00372	1	EN400-2A	2	3-3/16	1-1/4-16RH
00373	1	EN400-1B	1 to 2	3-3/16	1-1/4-16LH
00374	1	EN400-2B	1 to 2	3-3/16	1-1/4-16RH
00376	1	EN500-1A	3	4-3/16	1-1/4-16LH
00377	1	EN500-1B	2 to 3	4-3/16	1-1/4-16LH
00378	1	A2031-4	1-3/4 to 3	4-3/16	1-1/4-16LH
00379	1	EN600-1A	4	5-3/16	1-1/4-16LH
00357	2	EN200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH

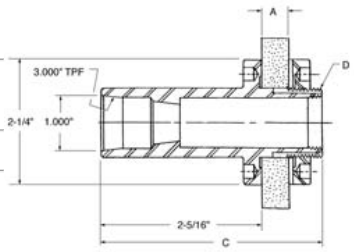


FIG. 2

Electroless nickel plating available on all Sopko adapters at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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01112



00651



00358



00360

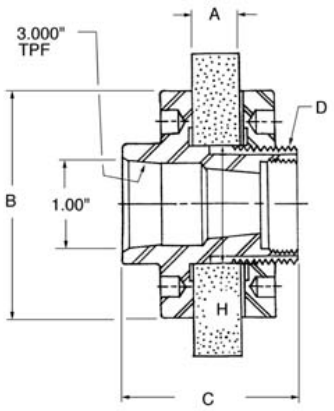


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250
00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250

Electroless nickel plating available on all Sopko adapters at additional cost.
*Balancing style adapter.

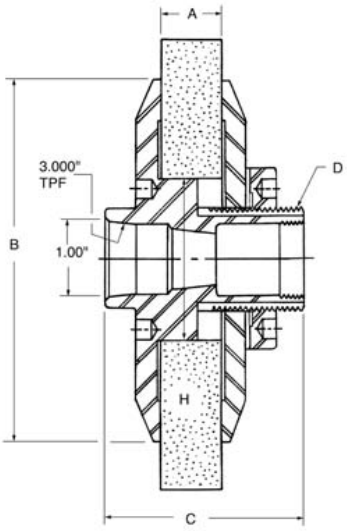


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Stainless Steel Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Made from 300 series stainless steel, and designed for applications that require the ultimate in corrosion resistance, these adapters are used widely in medical applications. They are anti-magnetic, which makes them ideal for cutting slots or grooves in magnetic materials. Hub, washer, and nut are all made from 300 series stainless steel.

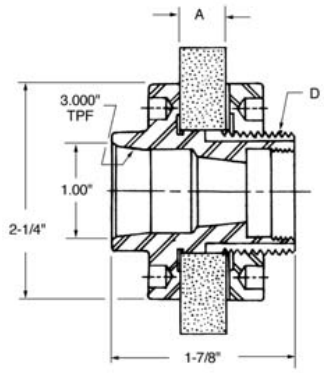
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00259



00267



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00259	SS100-1	3/8 to 3/4	1-1/4-16LH
00261	SS100-2	3/8 to 3/4	1-1/4-16RH
00211	S100/200-1	1/2 to 3/4	1-1/4-16LH
00267	SS100/200-2	1/2 to 3/4	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

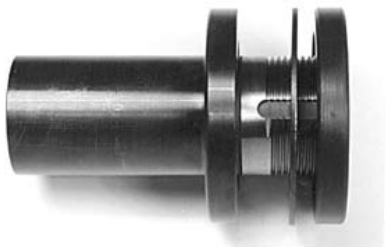
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32" Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



00719



00716

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00721

Note: 3/32" Keyway in small end of taper only

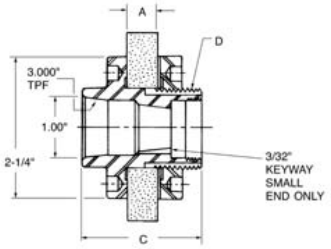


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	F
00716	1	U200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00717**	1	BU200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00718	1	U200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00719	2	U200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00720	2	U200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00721	2	U200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00423	2	U200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16
00722	1	U300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00709	1	U300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00723	1	U300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00193**	1	BU300-1	3/4 to 1	2-1/4	1-1/4-16LH	-

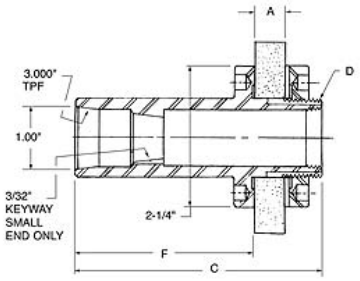


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

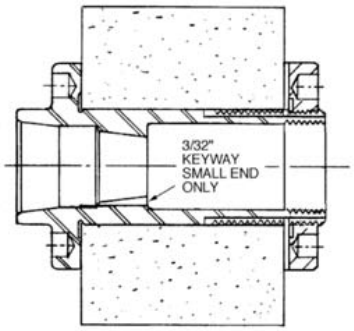
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32" Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



Note: 3/32" Keyway in small end of taper only



00725

SOPKO	SOPKO	DIMENSIONS

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CATALOG NO.	FIG.	PART NO.	A	C	D
00724	1	U400-1A	2	3-3/16	1-1/4-16LH
00725	1	U400-1B	1 to 2	3-3/16	1-1/4-16LH
00726	1	U400-2A	2	3-3/16	1-1/4-16RH
00727**	1	BU400-1B	1 to 2	3-3/16	1-1/4-16LH
00728	1	U500-1A	3	4-3/16	1-1/4-16LH
50320	1	U500-2A	3	4-3/16	1-1/4-16RH
00729	1	U500-1B	2 to 3	4-3/16	1-1/4-16LH
00730	1	U600-1A	4	5-3/16	1-1/4-16LH
00606	1	U600-1B	3 to 4	5-3/16	1-1/4-16LH
00732	2	U330-1	3/4 to 1	2-1/4	1-1/4-16LH
00733	2	U430-1A	2	3-1/4	1-1/4-16LH
00734	2	U430-1B	1 to 2	3-1/4	1-1/4-16LH

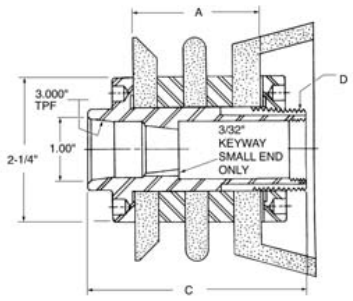


FIG. 1

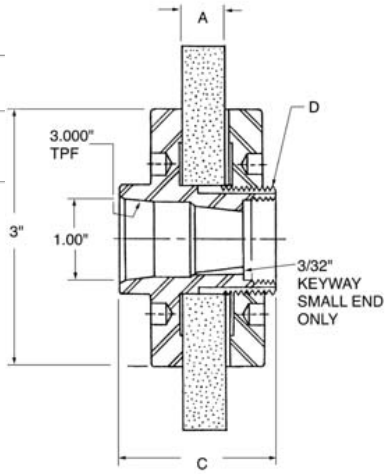


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.



00739

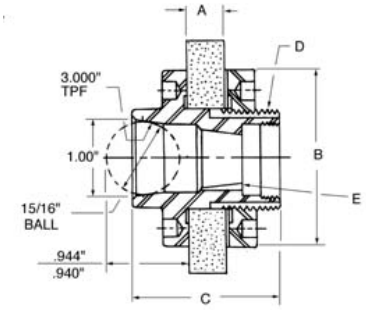


FIG. 1

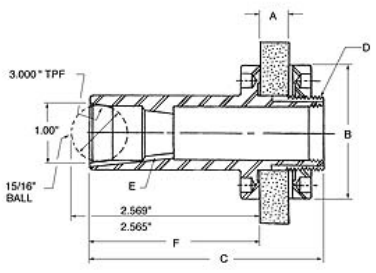


FIG. 2

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00738



00737

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

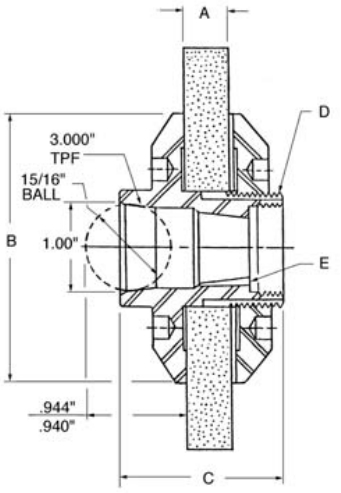


FIG. 3

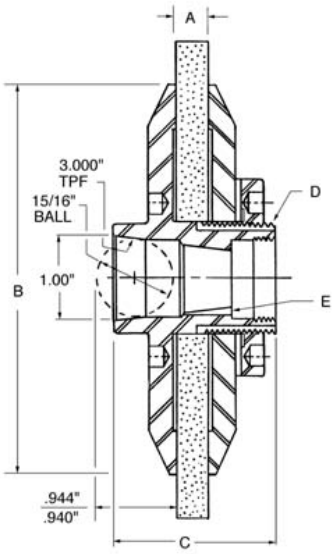


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters
With Glare Gear Assembly.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The UNIQUE GRINDING WHEEL LOCKING SYSTEM that eliminates damage to grinding wheels and spindle bearings caused by hammering. Also provides best possible mounting concentricity when tightening diamond, CBN, or vitrified wheels.

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01231**



01235

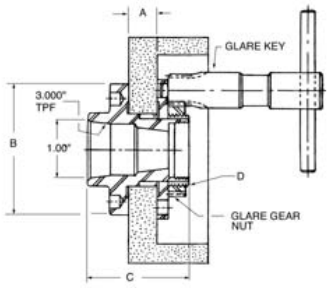


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS					
			A	B	C	D	E	F
01231	1	GG100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-	-
01232	1	GG100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-	-
01233	1	GG200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-	-
01234	1	GG200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-	-
01235	1	GG220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	-	-
01236	1	GG300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-	-
01237	1	GG300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	-	-
00159	1	GG300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	-	-
00127	1	GG400-1A	2	2-1/4	3-3/16	1-1/4-16LH	-	-
00566	1	GG400-2A	2	2-1/4	3-3/16	1-1/4-16RH	-	-
00189	1	GG400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	-	-
00417	1	GG500-1A	3	2-1/4	4-3/16	1-1/4-16LH	-	-
00462	1	GG500-2A	3	2-1/4	4-3/16	1-1/4-16RH	-	-
00704	1	GG500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	-	-
01282	3	GG200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-	2-5/16
00687	3	GG200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	-	3-7/16
00740*	2	GGU100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	3/32	-
00741*	2	GGU100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	3/32	-
00742*	2	GGU200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32	-
00743*	2	GGU200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	3/32	-
00744*	2	GGU300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	3/32	-
00745*	2	GGU300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	3/32	-
00746*	2	GGU300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	3/32	-
00747*	2	GGU400-1A	2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00748*	2	GGU400-2A	2	2-1/4	3-3/16	1-1/4-16RH	3/32	-
00194*	2	GGU400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00324*	2	GGU500-1A	3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00548*	2	GGU500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00320*	3	GGU200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/32	2-5/16
00595*	3	GGU200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3/32	3-7/16
50329*	3	GGU200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	3/32	2-5/16

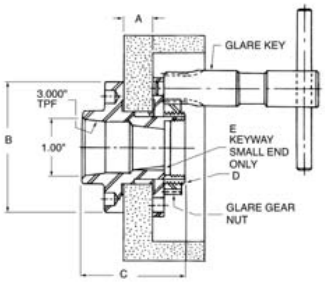


FIG. 2

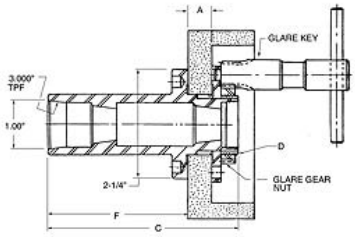


FIG. 3

See page 73 for complete selection of Glare Gear components.
Glare Gear Assemblies can be furnished with all 1-1/4" ID adapters.
List above is stocked product only.
*For grinding machines manufactured by Unison Corp., Ferndale, MI.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Pin Slot Wheel Adapters for Reversing Spindles.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.

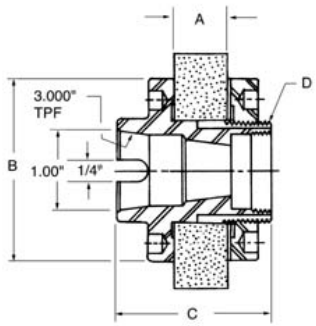


FIG. 1

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00094



00275



00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F
00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-
00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

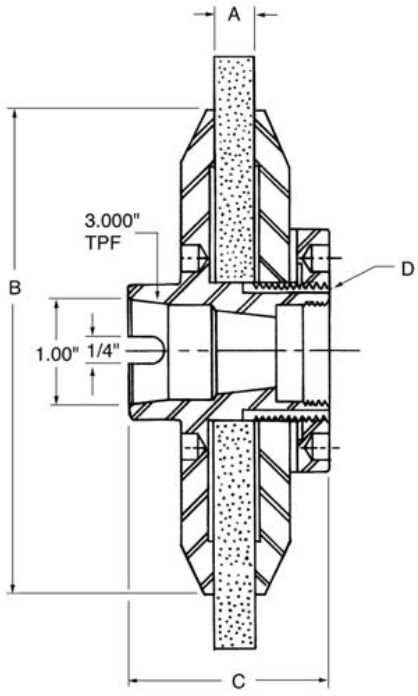


FIG. 2

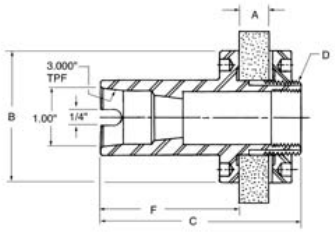


FIG. 3

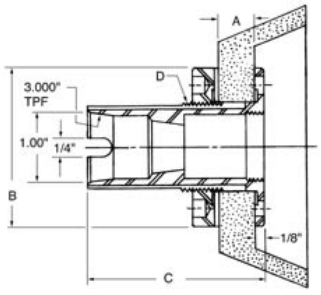


FIG. 4

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Brown & Sharpe No. 5 Tool and Cutter Grinder Adapters.

3.000" TPF WITH .72" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Designed for the Brown & Sharpe No. 5 Tool and Cutter Grinder, and manufactured with the same dedication to

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detail that has made Sopko the standard in the industry.

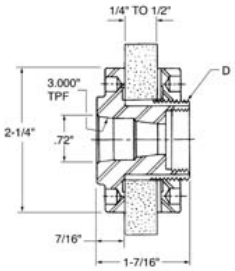
Here's how that benefits you...

- BLACK OXIDE FINISH for long-lasting PERFORMANCE AND VALUE.
- A PRECISION GROUND TAPER for a spindle mount you can TRUST.
- HEAT TREATED HUBS AND NUTS to optimize TOUGHNESS AND STRENGTH.
- CONCENTRIC AND SQUARE GROUND SURFACES that provide SUPERIOR PERFORMANCE and RELIABLE WHEEL LOCK.
- THREAD GROUND OD THREADS, a Sopko innovation in adapter design, makes REPEATABLE WHEEL LOCK possible.



(Front Side) **00817** **(Taper Side)**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00817	25-3171-1	1-1/4-16LH
00818	25-3171-2	1-1/4-16RH

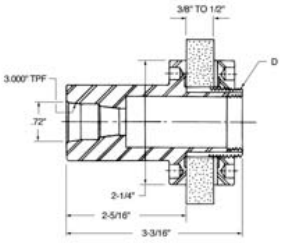


The LONG EXTENDED Brown & Sharpe No. 5 Tool and Cutter Grinder adapters are made with the same quality features but the extended design provides additional clearance, locating the grinding wheel further from the spindle nose.



00819

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00819	25-3300-LH	1-1/4-16LH
00820	25-3300-RH	1-1/4-16RH



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Clausing 1020, 4020, Covel 35, Covel 35B, Ingersoll Milling Co. and Brown & Sharpe No. 5 Grinders.

1:5 TAPER RATIO, 3.500" TPF AND 3.000" TPF, WITH 1.03", 1.31" AND 1.50" DIAMETER AT LARGE END OF TAPER. FOR 1.25O", 2.000" AND 3.000" ID WHEELS.

FOR CLAUSING 1020 GRINDERS.

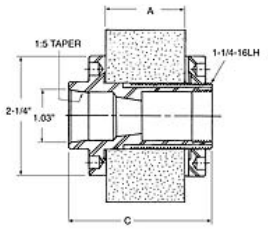
SOPKO CATALOG NO.	DIMENSIONS A	C
00473	2	3-3/16
00474*	3	4-3/16



00473



00474



* Balancing style adapter.

FOR CLAUSING 4020, COVEL 35, AND COVEL 35B GRINDERS.

SOPKO CATALOG NO.	SOPKO PART NO.
00693	17-17H

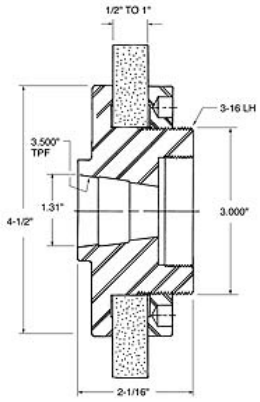


(Front Side)

00693



(Taper Side)



These shrouded adapters, for Brown & Sharpe No. 5 surface grinders and the Ingersoll Milling Machine grinders, feature a 3/4" deep shroud that surrounds the wheelhead spindle nose and provides optimum protection against contamination. Fully HEAT TREATED, you can expect years of performance and with standard features like PRECISION GROUND TAPERS, and CONCENTRICALLY GROUND AND SQUARE surfaces, you're assured of optimum cutting conditions too.

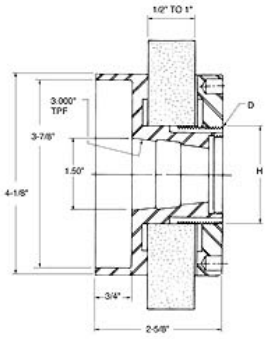


(Front Side)

00182



(Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D	H
00182	23-1569	2-16LH	2.000
00183*	25-1569	3-16LH	3.000

* Most popular.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Cincinnati Taper Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Adapter locked on spindle taper with bolt.



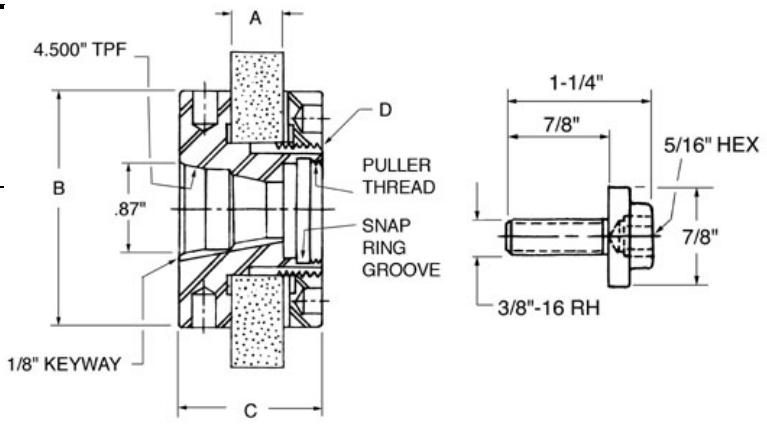


FIG.1

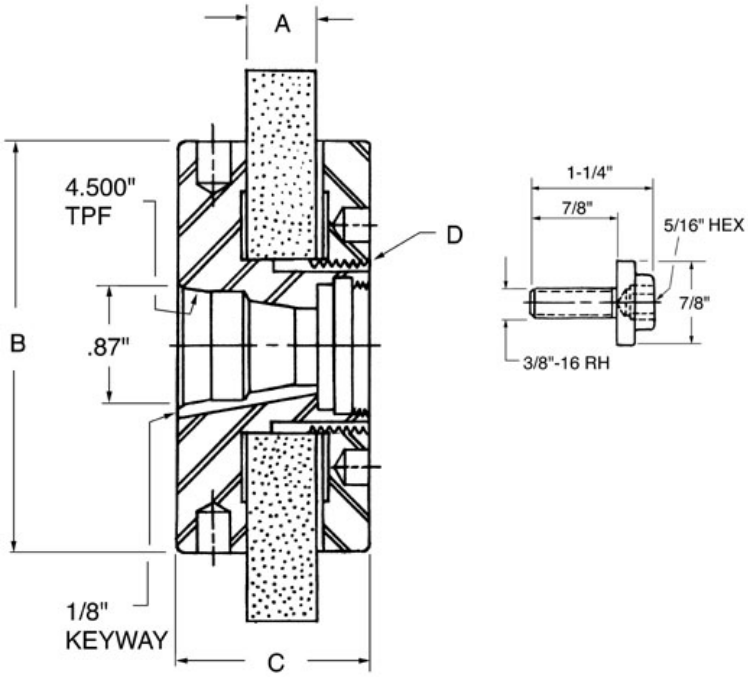


FIG.2

SOPKO CATALOG NO.	FIG	SOPKO PART NO.	DIMENSIONS A	B	C	D
00108**	1	C100-1KW	3/4 to 1	2-1/4	2	1-1/4-16LH
00253**	1	C100-2KW	3/4 to 1	2-1/4	2	1-1/4-16RH
00278*	1	C200-1KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
00239*	1	C200-2KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH
00279*	1	CX200-2KW	1/4 to 1/2	2	1-3/8	1-1/4-16RH
00407**	1	C400-1AKW	2	2-1/4	3	1-1/4-16LH
00408**	1	C400-2AKW	2	2-1/4	3	1-1/4-16RH
00409**	1	C400-1BKW	1 to 2	2-1/4	3	1-1/4-16LH
00411**	1	C400-2BKW	1 to 2	2-1/4	3	1-1/4-16RH
00282*	2	C230-1KW	1/4 to 1/2	3	1-3/8	1-1/4-16LH
00283*	2	C230-2KW	1/4 to 1/2	3	1-3/8	1-1/4-16RH
00284*	2	C235-1KW	1/4 to 1/2	3-1/2	1-3/8	1-1/4-16LH

*Spindle mounting bolt 14362 and retaining ring 04269 included.
**Includes spindle mounting bolt 14362 but no retaining groove or ring.

For older style Cincinnati flat belt, center drive spindles. No keyway in taper. Adapter locked on spindle taper with spindle nut.*



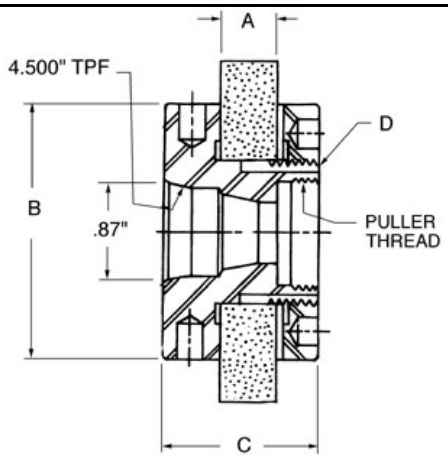


FIG.1

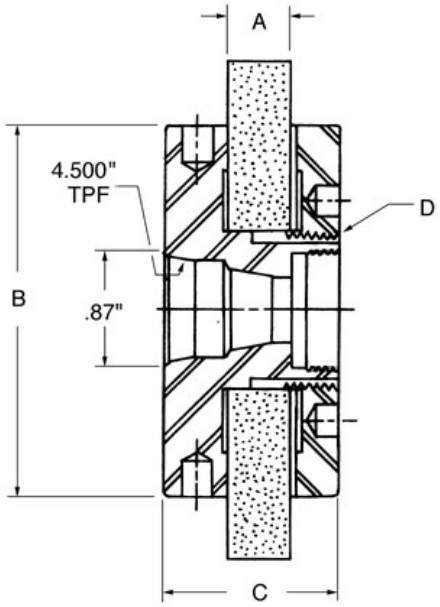
SOPKO CATALOG NO.	FIG	SOPKO PART NO.	DIMENSIONS A	B	C	D
00103	1	C100-1	3/4 to 1	2-1/4	2	1-1/4-16LH
00104	1	C100-2	3/4 to 1	2-1/4	2	1-1/4-16RH
00205	1	C200-1	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
00206	1	C200-2	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH
00280	1	C200-2C	1/2	2-1/4	1-3/8	1-1/4-16RH
00281	1	CX200-2	1/4 to 1/2	2	1-3/8	1-1/4-16RH
00442	1	C400-1A	2	2-1/4	3	1-1/4-16LH
00443	1	C400-2A	2	2-1/4	3	1-1/4-16RH
00444	1	C400-1B	1 to 2	2-1/4	3	1-1/4-16LH
00445	1	C400-2B	1 to 2	2-1/4	3	1-1/4-16RH

FIG.2

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00109	2	C130-2	3/4 to 1	3	2	1-1/4-16RH
00287	2	C230-1	1/4 to 1/2	3	1-3/8	1-1/4-16LH
00288	2	C230-2	1/4 to 1/2	3	1-3/8	1-1/4-16RH

*Spindle mounting nut not included.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

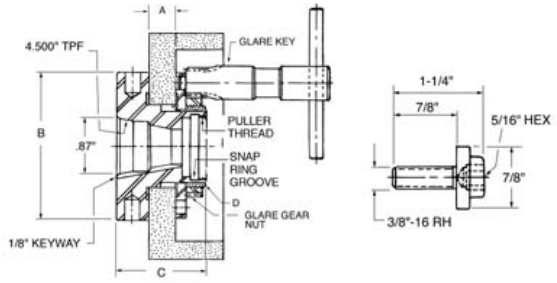
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Wheel Adapters
With Glare Gear Assembly.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Adapter locked on spindle taper with bolt.





01116**

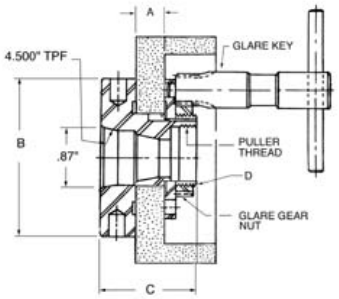
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
01125	GGC100-2KW	3/4 to 1	2-1/4	2	1-1/4-16RH
00571	GGC200-1KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
01116	GGC200-2KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH

*Spindle mounting bolt 14362 and retaining ring 04269 included.
**Grinding wheel not included.

For older style Cincinnati flat belt, center drive spindles. No keyway in taper.
Adapter locked on spindle taper with spindle nut.*

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00909**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00909	GGC200-1	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH

* Spindle mounting nut not included.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

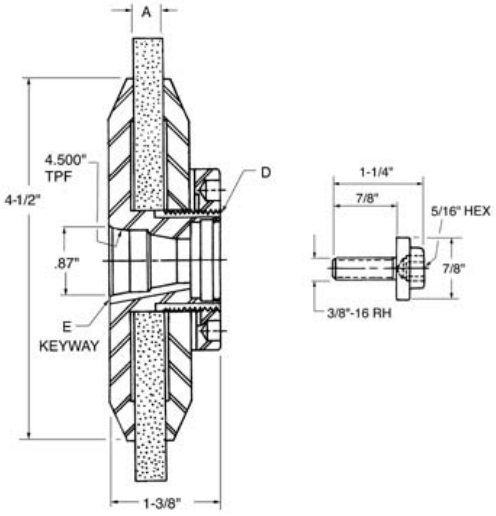
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Flanged and Cup Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

Sopko flanged adapters are machined from forged alloy steel. The resulting one-piece hub design distributes mounting pressures away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one-piece design and the precision ground flange provides identical radial load-bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.





00457

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	D	E
00446	C4.5-1	0 to 1/2	1-1/4-16LH	-
00564*	C4.5-1KW	0 to 1/2	1-1/4-16LH	1/8
00158	C4.5-2	0 to 1/2	1-1/4-16RH	-
00457*	C4.5-2KW	0 to 1/2	1-1/4-16RH	1/8

*Spindle mounting bolt 14362 and retaining ring 04269 included.

Sopko cup wheel adapters are made with a THIN-WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED, and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive lock. A hardened nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN during spindle rotation.

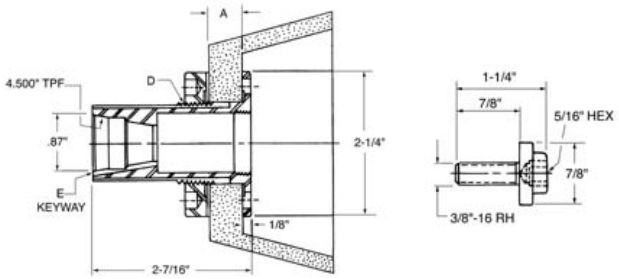
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00289 **00290†**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D	E
00289	C200-2CW	3/8 to 5/8	1-1/4-16RH	-
00290**	C200-2CWKW	3/8 to 5/8	1-1/4-16RH	1/8



** Includes spindle mounting bolt 14362 only.
†Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Long Extended Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 OR NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

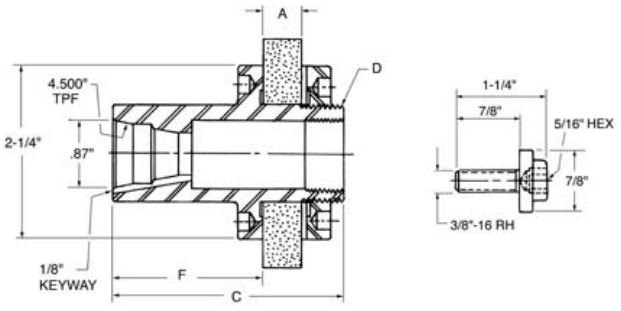
For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Cincinnati taper long extended adapters are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinding applications where the operator must reach across a boss or other obstruction. The adapters also have application on cutter grinders and tool grinders.





00242 **00243**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	F
00240*	CE200-1A	1/4 to 3/4	3	1-1/4-16LH	1-15/16
00242*	CE200-2A	1/4 to 3/4	3	1-1/4-16RH	1-15/16
00241*	CE201-1A	1/4 to 3/4	4-7/16	1-1/4-16LH	3-3/8
00243*	CE201-2A	1/4 to 3/4	4-7/16	1-1/4-16RH	3-3/8



*Includes spindle mounting bolt 14362 only.

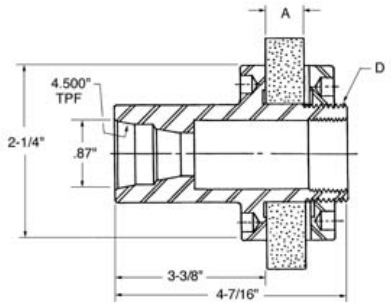
For older style Cincinnati flat belt, center drive spindles.

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00291

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00291	CE202-1A	1/4 to 3/4	1-1/4-16LH
00292	CE202-2A	1/4 to 3/4	1-1/4-16RH



Standard taper (3.000" TPF) long extended wheel adapters on page 14.

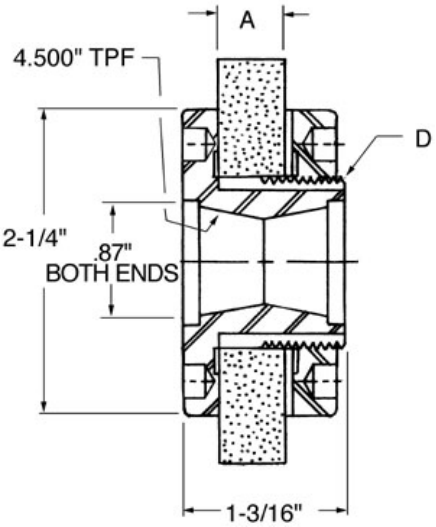
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

Cincinnati Taper Reversible Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way, without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper, and are securely locked against loosening by the wheel rotation. Manufactured from quality steel, then HARDENED AND GROUND to withstand the rigors of daily use.



CINCINNATI TAPER "OLD STYLE" REVERSIBLE WHEEL ADAPTER.
A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the older Cincinnati flat belt center drive spindles, the adapter comes complete with a 1/2-13LH 06074 and a 1/2-13RH 06073 slotted spindle nut.



00122

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00122	122RWA	1/4 to 1/2	1-1/4-16RH

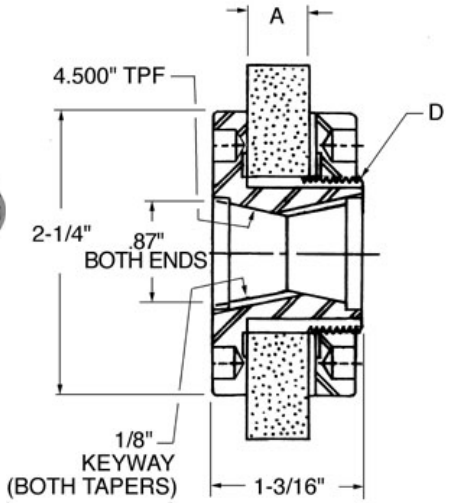
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CINCINNATI TAPER "NEW STYLE" REVERSIBLE WHEEL ADAPTER.

A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. The adapter comes complete with a 3/8-16RH mounting bolt 14362.



00123



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D
00123	122CRWA	1/4 to 1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Old Style Male Extensions.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
EXTEND THE REACH OF YOUR CINCINNATI ADAPTERS.

Made for older Cincinnati flat belt, center drive spindles, these extensions offer added reach when standard adapters won't work. Increased utility is achieved because grinding wheels mounted on Cincinnati taper adapters need not be dismounted. Very useful when grinding with diamond wheels, the extensions come complete with a 1/2-13 hex spindle nut to safely secure adapters. A 1-1/16" wrench flat on the body diameter makes installation and removal easy.

TIME-SAVING FEATURES:

- PRECISION internal Cincinnati taper for RELIABLE spindle mounting.
- PRECISION external Cincinnati taper for PROPER adapter mounting.
- GROUND external threads for CONCENTRICITY and SQUARENESS.
- HEAT TREATED for strength and rigidity.



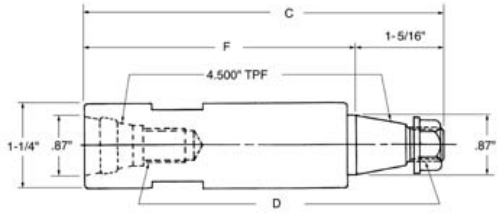
67791



73281

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C	D	F
13457	134517-LH	5-5/16	1/2-13LH	4
67791	67791-RH	5-5/16	1/2-13RH	4
00134	134515-LH	3-3/8	1/2-13LH	2-1/16
73281	73281-RH	3-3/8	1/2-13RH	2-1/16

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper New Style Male Extensions.

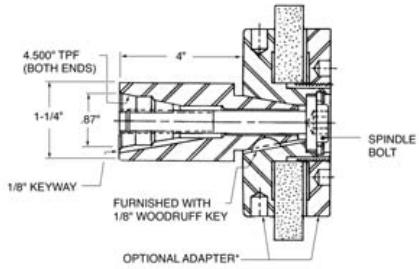
4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
EXTEND THE REACH OF YOUR CINCINNATI ADAPTERS.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this extension offers added reach for operations where regular adapters won't work. Increased utility is obtained because mounted grinding wheels need not be dismounted. Very useful when grinding with diamond wheels, the extension comes complete with a 3/8-16RH spindle bolt 15674 that runs through the body and locks the extension and wheel adapter onto the taper.



56173

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS OAL
56173	156173RH	4-13/16

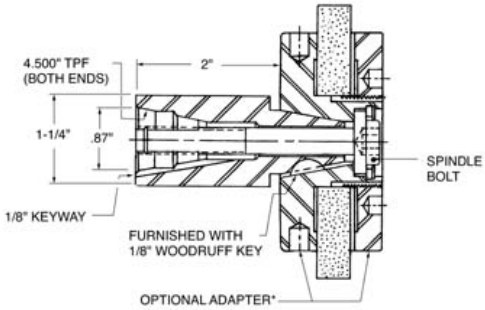


Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this extension offers the same quality features as the 56173 above but 2" shorter OAL. Furnished with 3/8-16RH spindle bolt 15671.



56172

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS OAL
56172	156172RH	2-13/16



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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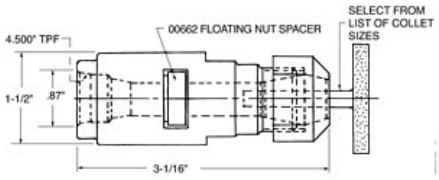
Cincinnati Taper Collet Chuck Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND THE SET-UP TIME OF A HIGH SPEED ATTACHMENT.

THERE IS A DIFFERENCE WITH SOPKO!

- Made from superior QUALITY alloy steel and heat treated for optimum performance.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- The extension body is GROUND for concentricity.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose-angle to insure PROPER ENGAGEMENT of the grinding wheel shank.





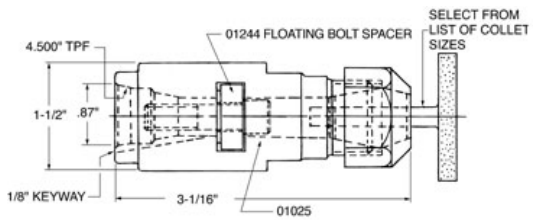
Ideal for older Cincinnati flat belt center drive grinder spindles. The set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.

SOPKO CATALOG NO.	SOPKO PART NO.
00757	C200-CCEA

6000 SERIES COLLETS* RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	COLLET CAPACITY
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

*Additional collet sizes are available on special order.

Ideal for newer style Cincinnati grinders having direct motorized and timing belt driven spindles with a 1/8" keyway in the taper. The set includes a 1/4" 6000 series collet 59108, collet nut 59125, floating bolt spacer 01244 (FN-2), and socket head cap screw 01025 (FN-B). The bolt is dropped into the extension and through the round floating bolt spacer. In this position the bolt acts as a draw thread to pull the collet chuck extension onto the spindle taper. A 1-1/4" wrench flat on the body makes installation and removal easy.





SOPKO CATALOG NO.	SOPKO PART NO.
00679	C200-CCEA-KW

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Standard taper (3.000" TPF) collet chuck extension adapters on page 18.
*Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

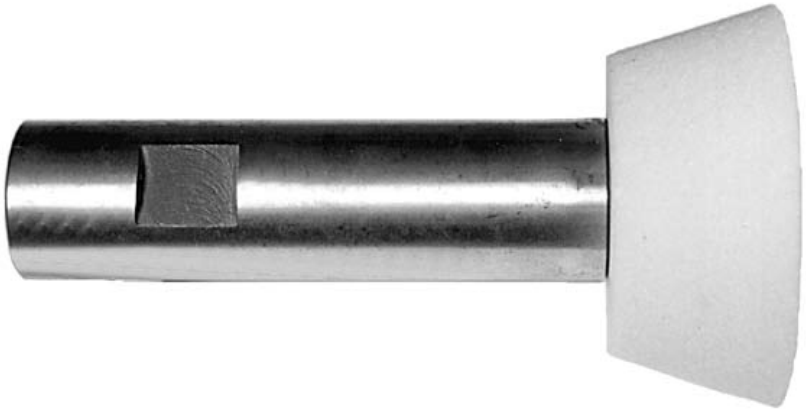
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Old Style I.D. Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND THE SET-UP TIME OF A HIGH SPEED ATTACHMENT.

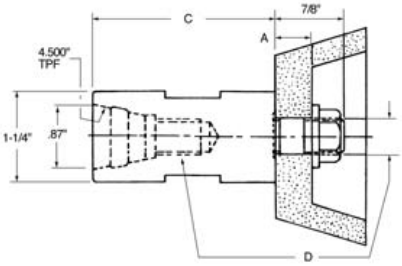
CHECK THESE FEATURES!

- GROUND diameters for CONCENTRICITY.
- HEAT TREATED for STRENGTH and SAFETY.
- PRECISION GROUND taper for RELIABLE spindle mating.
- IN STOCK for immediate shipment.



13426*

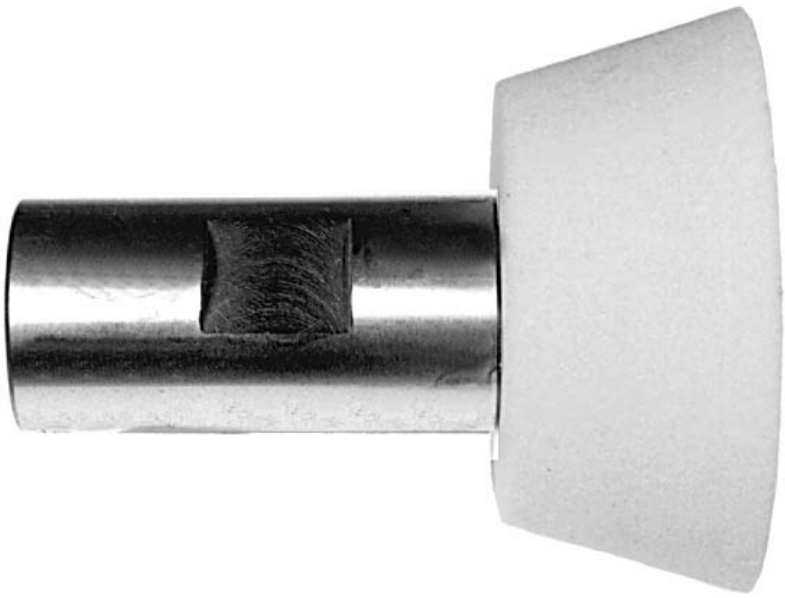
Designed for added reach, the IDWE comes complete with a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13458	134518-LH	3/8 to 1/2	4-1/2	1/2-13LH
13426	134269-RH	3/8 to 1/2	4-1/2	1/2-13RH

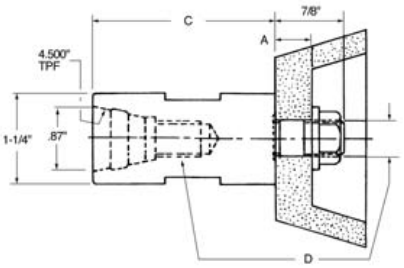
Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.

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78515*

Identical to the long series above but 2" shorter OAL. Has a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13456	134516-LH	3/8 to 1/2	2-1/2	1/2-13LH
78515	78515-RH	3/8 to 1/2	2-1/2	1/2-13RH

Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

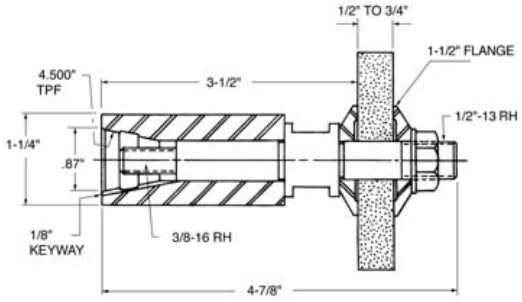
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper New Style I.D. Wheel Extensions.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR .500" ID WHEELS.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. The 3/8-16RH thread on the arbor 04271 acts as a draw thread to pull the extension onto the taper and a 3/4" wrench flat makes installation and removal easy. The extension comes complete with two 1-1/2" mating side flanges 00053 (F4), a 1/2-13RH hex spindle nut 05002, and an extension body 04272.





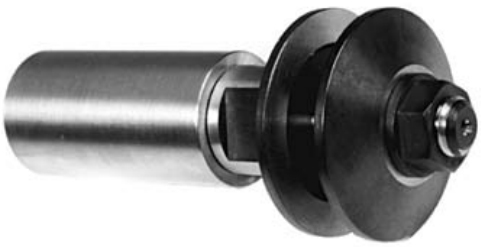
55000

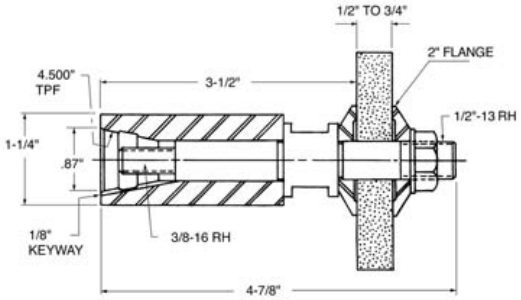
SOPKO CATALOG NO.	SOPKO PART NO.
55000	NS550

Standard taper (3.000 TPF) ID wheel extension adapters on page 16 and 17.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper and furnished with two 2" mating side flanges 00054 (F1), a 1/2-13RH hex spindle nut 05002, and an extension body 04272. The 3/8-16RH thread on the arbor 04271 acts as a draw thread to pull the extension onto the taper, and a 3/4” wrench flat makes installation and removal easy.

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00483

SOPKO CATALOG NO.
00483

Standard taper (3.000 TPF) ID wheel extension adapters on page 16 and 17.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper New Style and Old Style Conversion Adapters.*

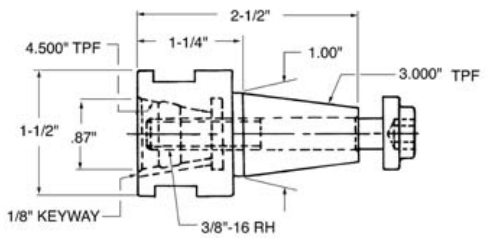
ID IS 4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
OD IS 3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
MOUNT STANDARD TAPER ADAPTERS ON CINCINNATI TAPER SPINDLES.

Designed for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this conversion adapter allows you to mount any Standard Taper (3.000" TPF) adapter to your Cincinnati Taper spindles. Furnished with special spindle mounting bolt 04249.
A 1-1/4” wrench flat on the body makes installation and removal easy.



50081

SOPKO CATALOG NO.
50081



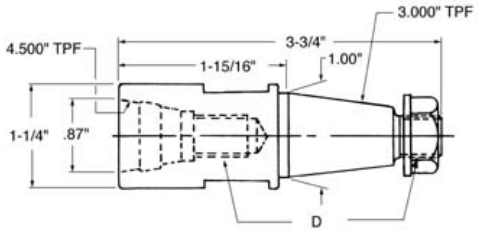
Designed for older Cincinnati flat belt center driven spindles, this conversion adapter features a Cincinnati Taper (4.500" TPF) in the ID and a Standard Taper (3.000" TPF) on the OD.
Now you can confidently mount standard taper adapters on your Cincinnati taper spindles. Furnished with a 1/2-13 hex spindle nut. A 1-1/16” wrench flat on the body makes installation and removal easy.

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00114

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
00113	S113	1/2-13LH
00114	S114	1/2-13RH



*For additional double taper conversion quills see page 85, 86, 87, 88 and 89.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

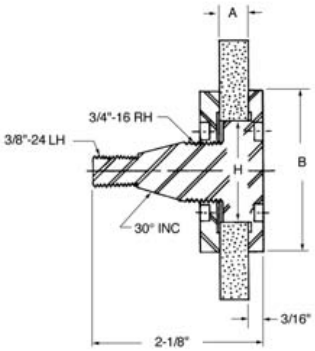
Taper Adapters for Cincinnati Monoset Grinders.

30° INC ANGLE WITH .75" DIAMETER AT LARGE END OF TAPER.
FOR .750" AND 1.250" ID WHEELS.



00111 **00110**

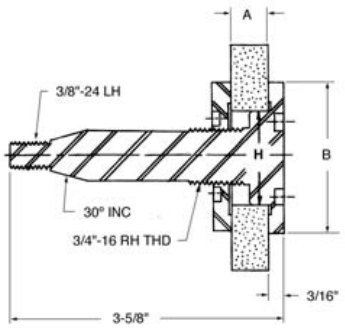
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	H
00110	S110	1/4 to 1/2	1-3/8	3/4
00111	S111	1/4 to 1/2	2	1-1/4
50122	-	3/4	2	1-1/4



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00099 **00098**



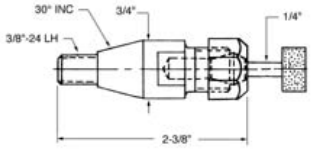
Sopko LONG EXTENDED MONOSET cutter and tool grinder adapters provide added clearance by locating the grinding wheel further from the spindle nose. They are ideal for applications requiring an operator to reach across an obstruction.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	H
00099	SE110	1/4 to 1/2	1-3/8	3/4
00098	SE111	1/4 to 1/2	2	1-1/4

THERE IS A DIFFERENCE WITH SOPKO!

- Monoset Collet Chuck Quills are GROUND all over for CONCENTRICITY.
- PRECISION TAPERS are GROUND at both ends.
- Made from superior QUALITY alloy steel and HEAT TREATED for optimum performance.
- The hardened collet nut has a PRECISION INTERNAL TAPER that seats PRECISELY against the collet nose angle to ensure PROPER ENGAGEMENT of the grinding wheel shank.
- Comes complete with 1/8" 20004 and 1/4" 20012 series 4000 collets, and collet nut 20013.*





*See page 97 for additional Series 4000 collet sizes.

00097

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Wheel Adapters for Clausing 1020, 4020, Covel 35, Covel 35B, Ingersoll Milling Co. and Brown & Sharpe No. 5 Grinders.

1:5 TAPER RATIO, 3.500" TPF AND 3.000" TPF, WITH 1.03”, 1.31" AND 1.50" DIAMETER AT LARGE END OF TAPER. FOR 1.25O”, 2.000" AND 3.000" ID WHEELS.

FOR CLAUSING 1020 GRINDERS.

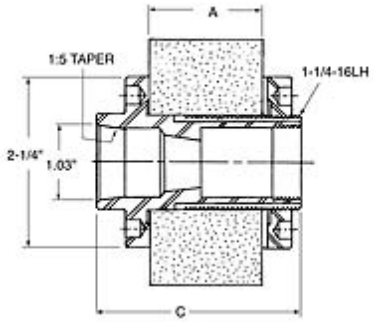
SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00473	2	3-3/16
00474*	3	4-3/16



00473



00474



* Balancing style adapter.

FOR CLAUSING 4020, COVEL 35, AND COVEL 35B GRINDERS.

SOPKO CATALOG NO.	SOPKO PART NO.
00693	17-17H

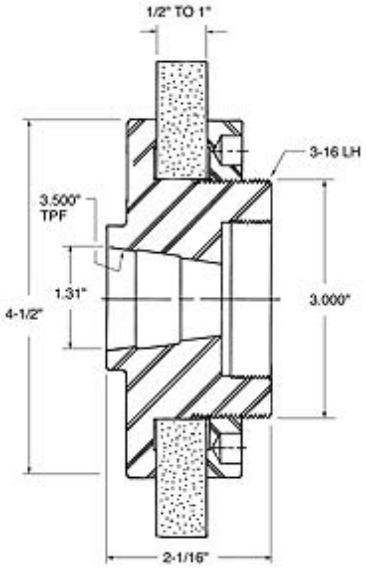


(Front Side)

00693



(Taper Side)



These shrouded adapters, for Brown & Sharpe No. 5 surface grinders and the Ingersoll Milling Machine grinders, feature a 3/4" deep shroud that surrounds the wheelhead spindle nose and provides optimum protection against contamination. Fully HEAT TREATED, you can expect years of performance and with standard features like PRECISION GROUND TAPERS, and CONCENTRICALLY GROUND AND SQUARE surfaces, you’re assured of optimum cutting conditions too.

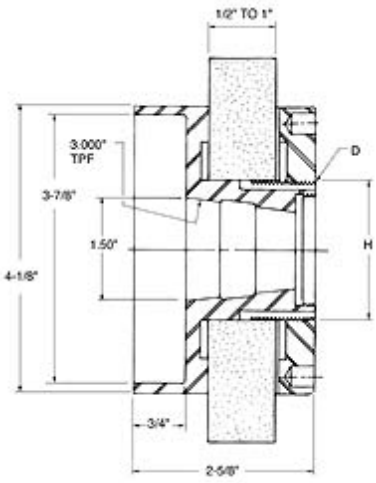
Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com



(Front Side)



00182 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D	H
00182	23-1569	2-16LH	2.000
00183*	25-1569	3-16LH	3.000

* Most popular.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Standard Taper Collet Chuck Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

Widely used on surface grinders, the set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

THERE IS A DIFFERENCE WITH SOPKO!

- Collet Chuck Quills are ground all over for true CONCENTRICITY and BALANCE.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- Made from AMERICAN SUPERIOR QUALITY alloy steel and heat treated for optimum performance.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose angle to assure PROPER ENGAGEMENT of the grinding wheel shank.

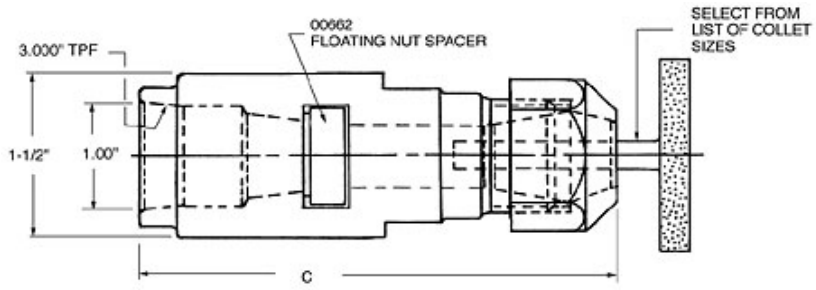


00246



00249

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C
00246	200-CCEA-S	2-15/16
00249	200-CCEA-L	4-15/16



6000 SERIES COLLETS** RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	**COLLET CAPACITY**
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

**Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

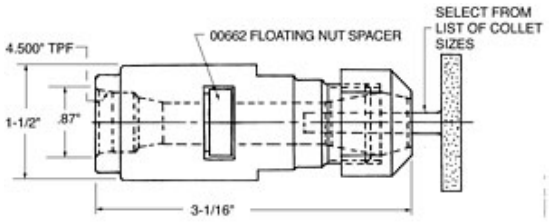
Cincinnati Taper Collet Chuck Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND THE SET-UP TIME OF A HIGH SPEED ATTACHMENT.

THERE IS A DIFFERENCE WITH SOPKO!

- Made from superior QUALITY alloy steel and heat treated for optimum performance.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- The extension body is GROUND for concentricity.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose-angle to insure PROPER ENGAGEMENT of the grinding wheel shank.





Ideal for older Cincinnati flat belt center drive grinder spindles. The set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.

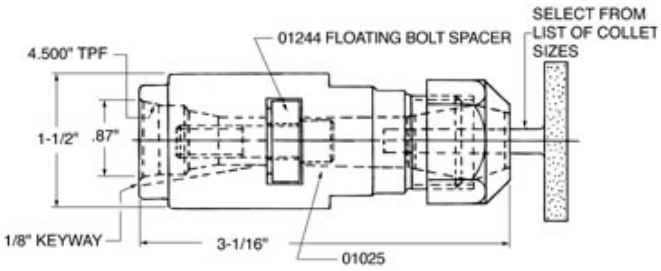
SOPKO CATALOG NO.	SOPKO PART NO.
00757	C200-CCEA

6000 SERIES COLLETS* RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	COLLET CAPACITY
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Ideal for newer style Cincinnati grinders having direct motorized and timing belt driven spindles with a 1/8" keyway in the taper. The set includes a 1/4" 6000 series collet 59108, collet nut 59125, floating bolt spacer 01244 (FN-2), and socket head cap screw 01025 (FN-B). The bolt is dropped into the extension and through the round floating bolt spacer. In this position the bolt acts as a draw thread to pull the collet chuck extension onto the spindle taper. A 1-1/4" wrench flat on the body makes installation and removal easy.

*Additional collet sizes are available on special order.





SOPKO CATALOG NO.	SOPKO PART NO.
00679	C200-CCEA-KW

Standard taper (3.000" TPF) collet chuck extension adapters on page 18.
*Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

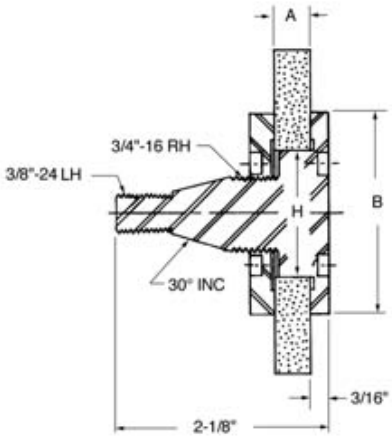
CAUTION!
Always Wear Safety Goggles When Griding.

Taper Adapters for Cincinnati Monoset Grinders.

30° INC ANGLE WITH .75" DIAMETER AT LARGE END OF TAPER.
FOR .750" AND 1.250" ID WHEELS.



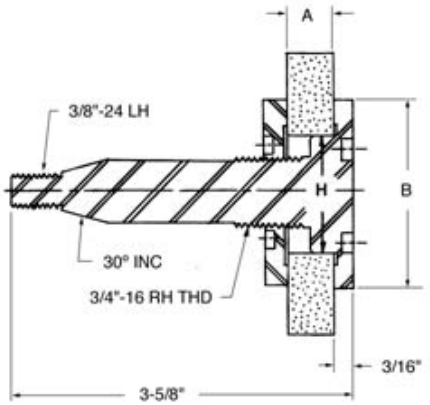
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00111 **00110**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	H
00110	S110	1/4 to 1/2	1-3/8	3/4
00111	S111	1/4 to 1/2	2	1-1/4
50122	-	3/4	2	1-1/4





00099 **00098**

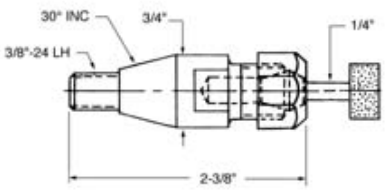
Sopko LONG EXTENDED MONOSET cutter and tool grinder adapters provide added clearance by locating the grinding wheel further from the spindle nose. They are ideal for applications requiring an operator to reach across an obstruction.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	H
00099	SE110	1/4 to 1/2	1-3/8	3/4
00098	SE111	1/4 to 1/2	2	1-1/4

THERE IS A DIFFERENCE WITH SOPKO!

- Monoset Collet Chuck Quills are GROUND all over for CONCENTRICITY.
- PRECISION TAPERS are GROUND at both ends.
- Made from superior QUALITY alloy steel and HEAT TREATED for optimum performance.
- The hardened collet nut has a PRECISION INTERNAL TAPER that seats PRECISELY against the collet nose angle to ensure PROPER ENGAGEMENT of the grinding wheel shank.
- Comes complete with 1/8" 20004 and 1/4" 20012 series 4000 collets, and collet nut 20013.*





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*See page 97 for additional Series 4000 collet sizes.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Cincinnati Taper New Style and Old Style Conversion Adapters.*

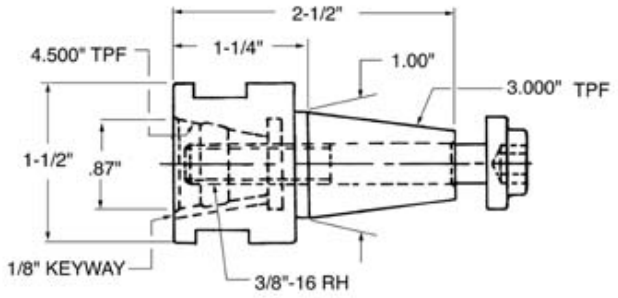
ID IS 4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
OD IS 3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
MOUNT STANDARD TAPER ADAPTERS ON CINCINNATI TAPER SPINDLES.

Designed for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this conversion adapter allows you to mount any Standard Taper (3.000" TPF) adapter to your Cincinnati Taper spindles. Furnished with special spindle mounting bolt 04249.
A 1-1/4” wrench flat on the body makes installation and removal easy.



50081

SOPKO CATALOG NO.
50081



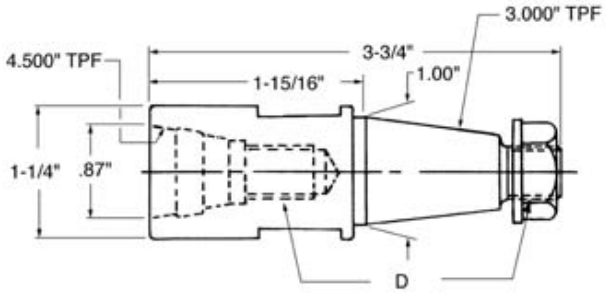
Designed for older Cincinnati flat belt center driven spindles, this conversion adapter features a Cincinnati Taper (4.500" TPF) in the ID and a Standard Taper (3.000" TPF) on the OD.
Now you can confidently mount standard taper adapters on your Cincinnati taper spindles. Furnished with a 1/2-13 hex spindle nut. A 1-1/16” wrench flat on the body makes installation and removal easy.

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00114

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
00113	S113	1/2-13LH
00114	S114	1/2-13RH



*For additional double taper conversion quills see page 85, 86, 87, 88 and 89.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Grinding Machines
Manufactured by ANCA, Victoria, Australia.

19° 05' 06" INC ANGLE TAPER AND 3.500" TPF WITH .85", 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER.

A Sopko innovation, Double Taper ANCA Conversion Adapters offer convenience and flexibility. Now, you can use conventional machines to accurately dress wheel-packs mounted on ANCA adapters without losing valuable production time. Two precision ground tapers provide reliable spindle and adapter mounting. Made from quality alloy steel, ANCA Double Taper Conversion Adapters are heat treated for strength, long-life, and rigidity. Diameters are ground for concentricity and squareness. These fine Sopko features combine to maintain the original high quality standards of the ANCA Fastgrind system. A 1-1/4” wrench flat on the body makes installation and removal easy.

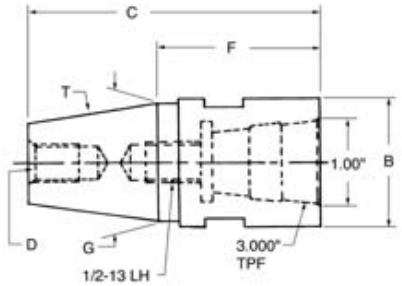


FIG. 1

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50193

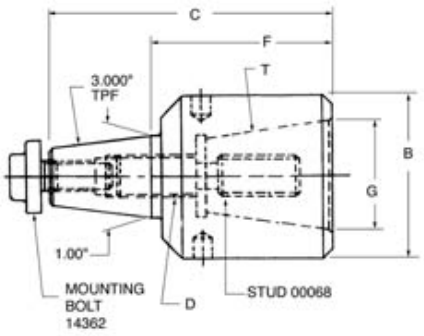


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		B	C	D	F	G	T	MACHINE
50194	1	1-1/2	3	3/8-16RH	2-1/4	.85	19° 05' 06"	TG4
50354	1	1-1/2	3-3/8	M12X1.75RH	1-7/8	1.38	3.500	TG7/DM7
50192	1	1-1/2	3-3/8	M12X1.75RH	1-7/8	1.38	3.500	TG7/DM7
50178	2	2	3-1/2	M12X2.0RH	2-1/4	1.38	3.500	TG7/DM7
01150	3	80MM (3.15")	3-7/16	M12X1.75RH	1-15/16	1.38	3.500	TG7/DM7
50193	1	1-1/2	3	M8X1.25RH	1-15/16	1.02	3.500	MG7/RG7/RGX
00497	1	1-1/2	3-23/32	M8X1.25RH	2-5/8	1.02	3.500	MG7/RG7/RGX

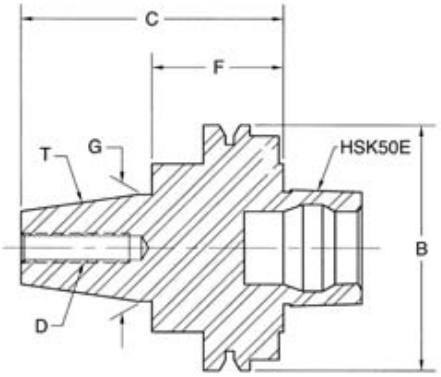


FIG. 3

See ANCA spacers on page 75 and accessories on page 81 and 83.
See ANCA Mount/Dismount fixture on page 94.

SPINDLE MOUNTING BOLT AND LOCK WASHER SETS

SOPKO CATALOG NO.	MACHINE	THREAD	LENGTH
00664	TG4 (00621)	3/8-16RH	2-3/4
00897	TG4 (00622)	3/8-16RH	4
01034	TG4 (00623)	3/8-16RH	1-3/4
01053	TG4 (00624)	3/8-16RH	3/4
01101	TG4 (00620)	3/8-16RH	4-1/2
00665	TG7/DM7	M12XP1.75RH	30MM (1.18")
00667	TG7 (50163)	M12XP1.75RH	100MM (3.94")
00666	MG7/RG7	M8XP1.25RH	30MM (1.18")



00664



00666



00665



00667

RECESSED WASHERS

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SOPKO CATALOG NO.	MACHINE	OD	ID	THICKNESS
00162	TG4	21MM (.83”)	10MM (.39”)	6MM (.24”)
00163	TG7/DM7	33MM (1.30”)	13MM (.51”)	7MM (.28”)
00164	MG7/RG7	22MM (.87”)	8.5MM (.33”)	15MM (.59”)



00164 **00163** **00162**

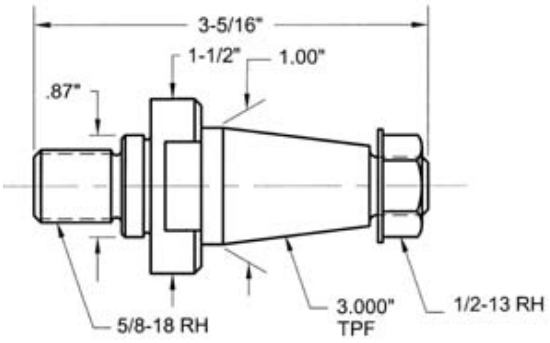
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

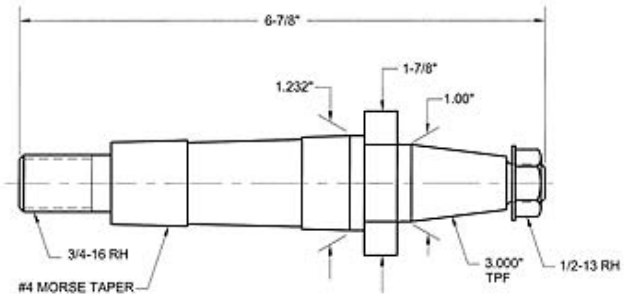
Spindle Conversion Quills.

The innovative Double-Taper Conversion Quill design offers the convenience and flexibility of using internal grinding spindles for external grinding applications. What a great tool to increase productivity and eliminate the cost and delay of making a special adapter! Sopko provides Double-Taper Quills to convert a wide variety of spindle types for use with Sopko standard adapters having a 3.000" TPF with 1.00" LE. Featuring two precision ground tapers for reliable spindle and adapter mounting, Sopko conversion quills are made from quality alloy steel, then heat treated for strength, long-life, and rigidity. Diameters and threads are ground for concentricity and squareness to optimize grinding conditions.

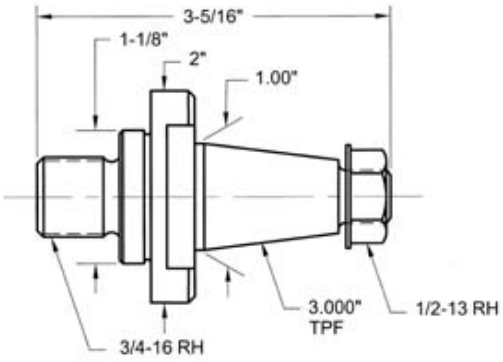
01450 Converts Heald 7-187 Straight Shank to 3" TPF, 1" LE



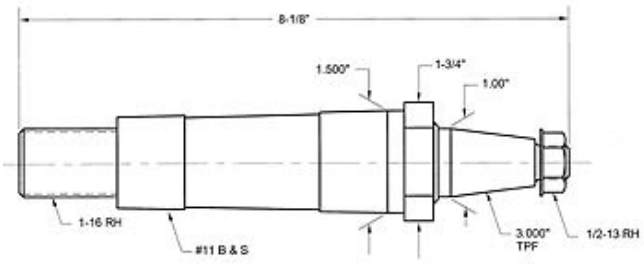
31019 Converts Heald #49 Taper to 3" TPF, 1" LE



01381 Converts Heald 9-189 Straight Shank to 3" TPF, 1" LE



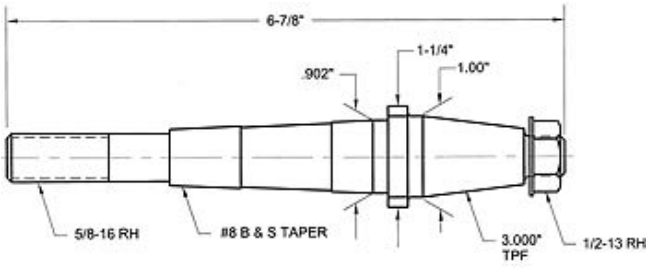
40019 Converts Heald #51 Taper to 3" TPF, 1" LE

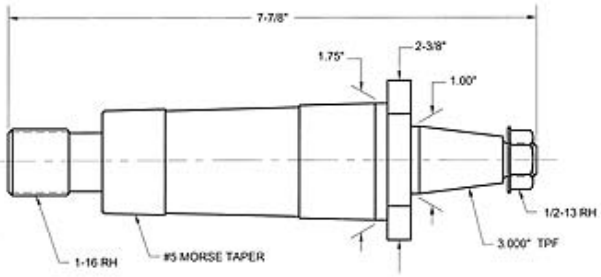


31018 Converts Heald #47 Taper to 3" TPF, 1" LE

01226 Converts Heald #53 Taper to 3" TPF, 1" LE

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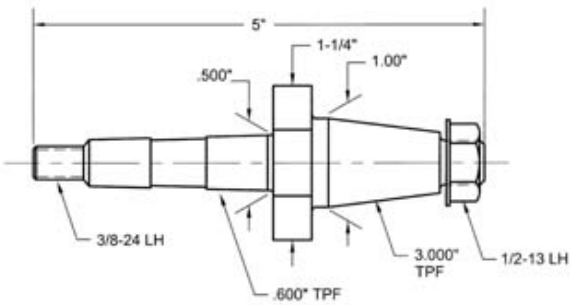


ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

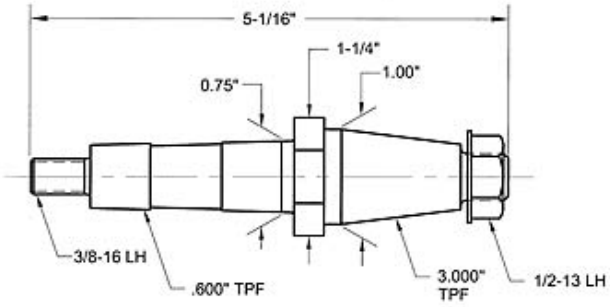
CAUTION!
Always Wear Safety Goggles When Griding.

Spindle Conversion Quills.

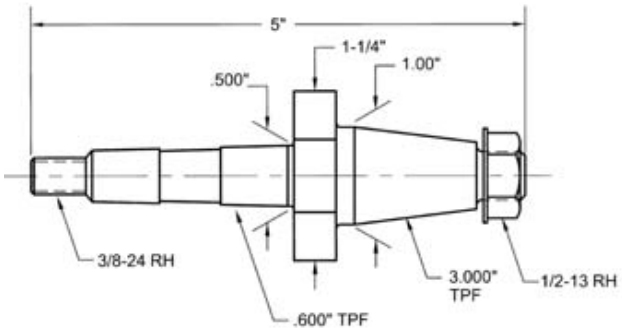
40005 Converts 0.500 Jarno LH Taper to 3" TPF, 1" LE



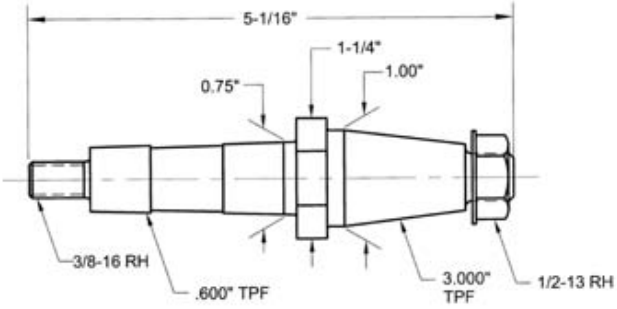
40009 Converts 0.750 Jarno LH Taper to 3" TPF, 1" LE



40006 Converts 0.500 Jarno RH Taper to 3" TPF, 1" LE

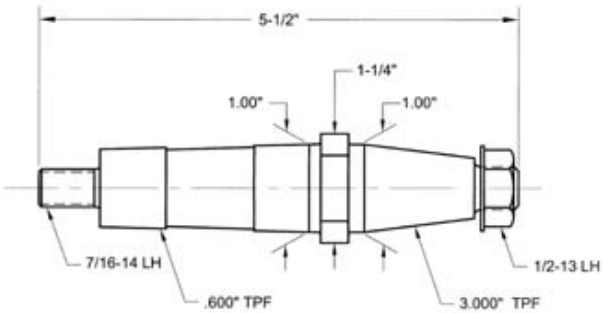


40010 Converts 0.750 Jarno RH Taper to 3" TPF, 1" LE

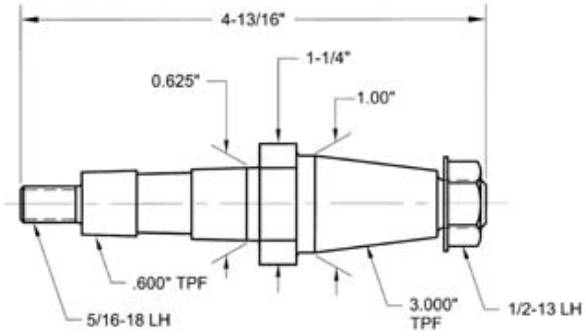


40007 Converts 0.625 Jarno LH Taper to 3" TPF, 1" LE

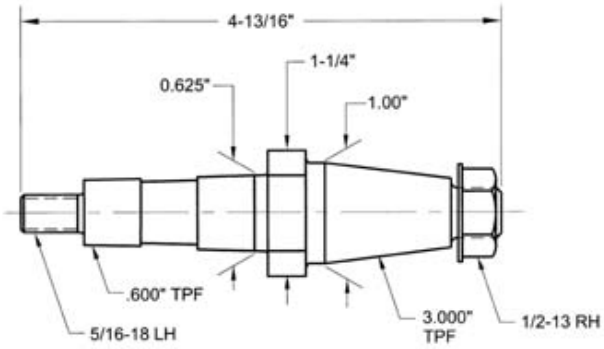
40001 Converts 1.000 Jarno LH Taper to 3" TPF, 1" LE



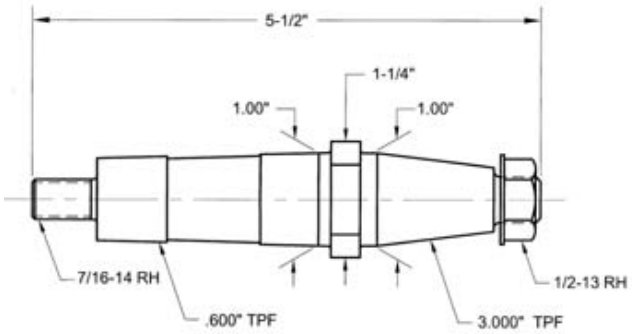
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40008 Converts 0.625 Jarno RH Taper to 3" TPF, 1" LE



40000 Converts 1.000 Jarno RH Taper to 3" TPF, 1" LE

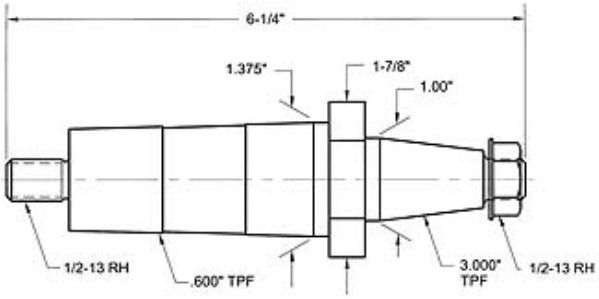


ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

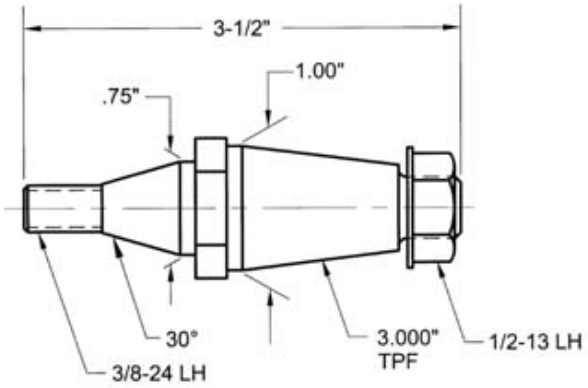
CAUTION!
Always Wear Safety Goggles When Griding.

Spindle Conversion Quills.

01172 Converts 1.375 Jarno RH Taper to 3" TPF, 1" LE



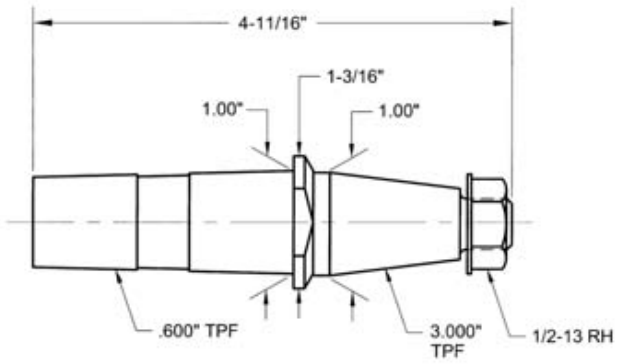
40017 Converts Cincinnati Monoset Taper to 3" TPF, 1" LE



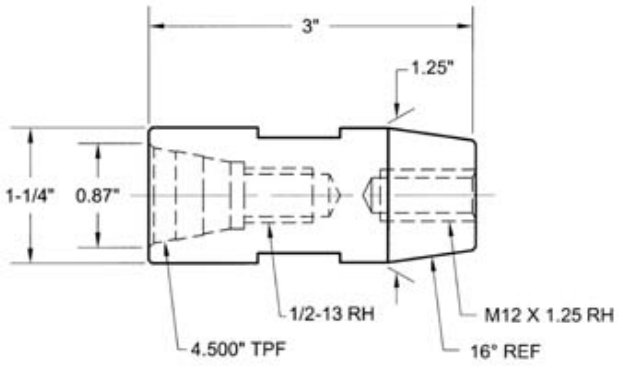
40012 Converts 1.000 Jarno PM to 3" TPF, 1" LE

05338 Converts Older RH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE

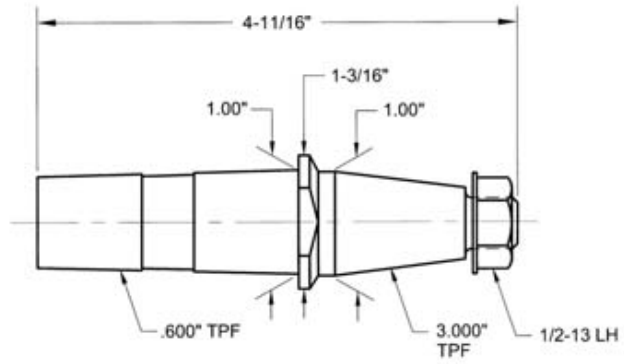
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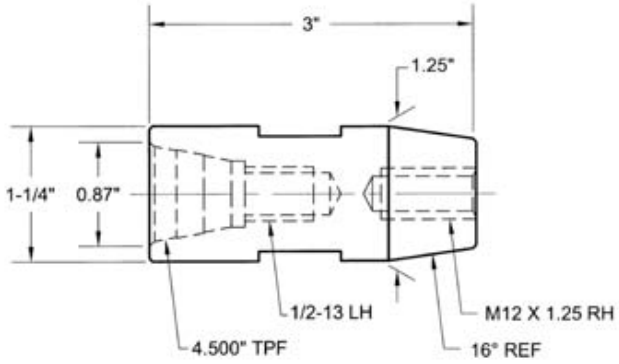
40014 Converts 1.000 Jarno PM to 3" TPF, 1" LE



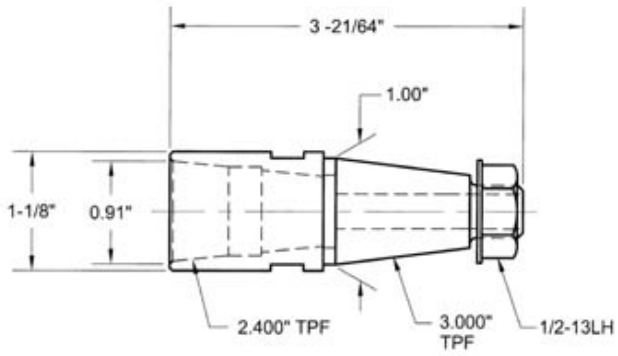
50342 Converts Older LH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE

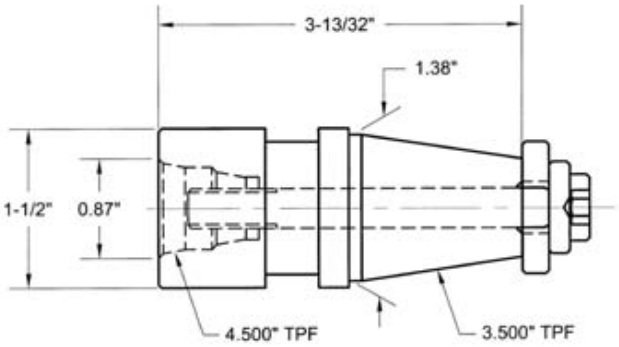


00962 Converts Walter NC50 Taper to 3" TPF, 1" LE



00914 Converts Newer RH Cincinnati 4.5" TPF, .87" LE to ANCA TG7 Taper





ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

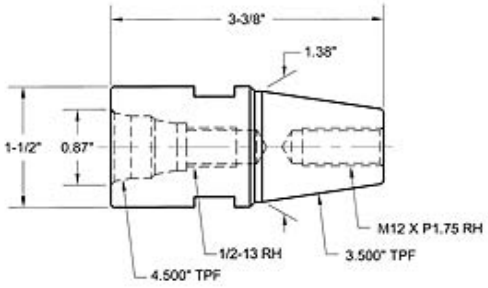
CAUTION!
Always Wear Safety Goggles When Griding.

Spindle Conversion Quills.

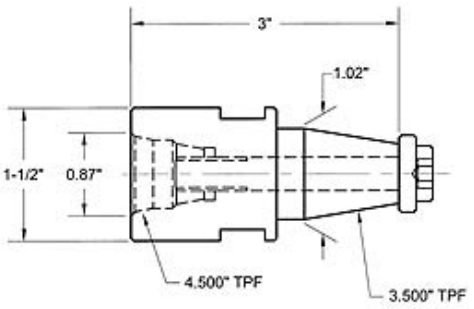
01118 Converts Older RH Cincinnati 4.5" TPF, .87" LE to ANCA TG7 Taper

00322 Converts 3" TPF, 1" LE to Cincinnati 4.5" TPF, .87" LE

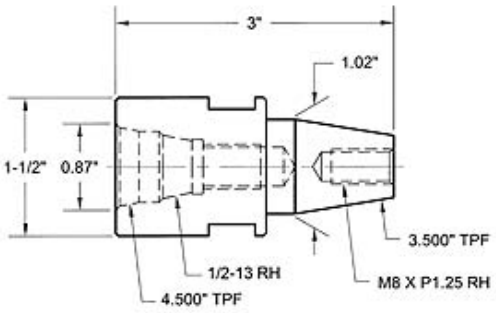
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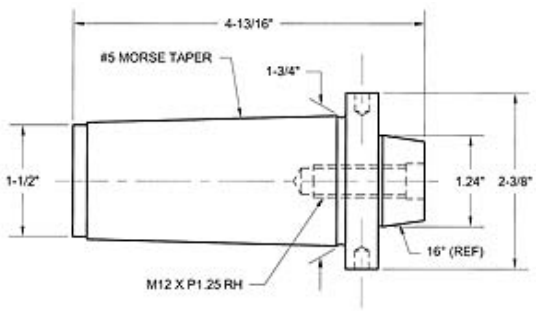
00489 Converts Newer RH Cincinnati 4.5" TPF, .87" LE to ANCA MG7 Taper



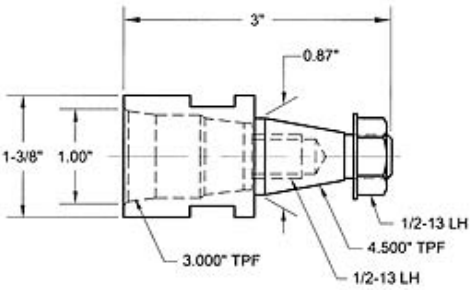
00809 Converts Older RH Cincinnati 4.5" TPF, .87" LE to ANCA MG7 Taper

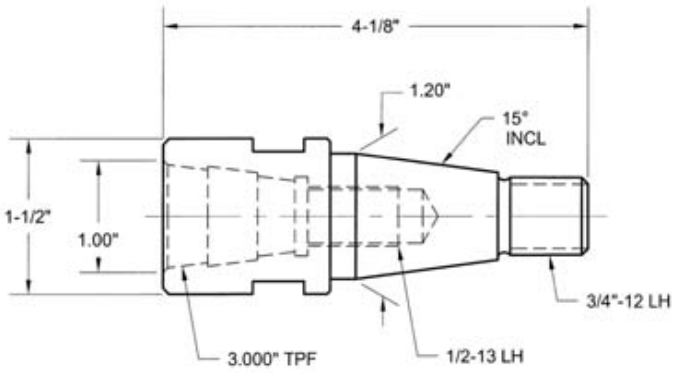


50348 Converts #5 Morse Taper to Walter 16° Ref, 1.25" LE

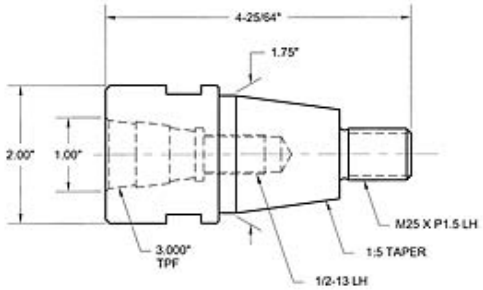


50324 Converts 3" TPF, 1" LE to Myford 15° Ref, 1.024" LE

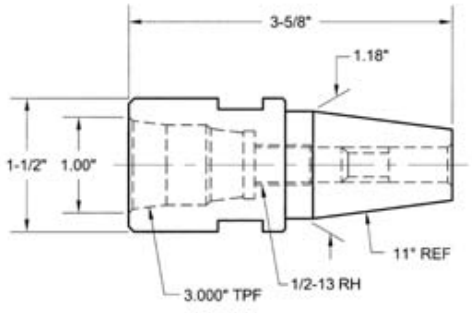




50325 Converts 3" TPF, 1" LE to Okamoto 1:5 Taper Ratio, 1.75" LE



50366 Converts 3" TPF, 1" LE to Strausak 11° Ref, 30MM LE.



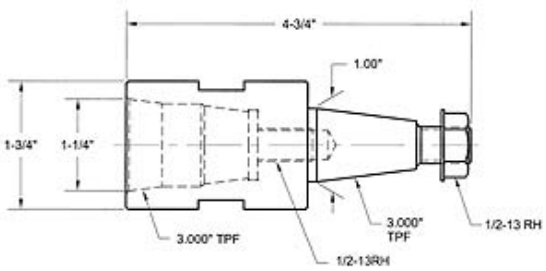
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

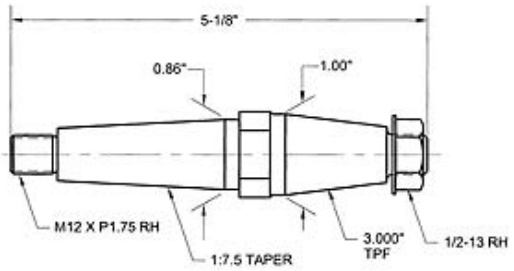
Spindle Conversion Quills.

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50312 Converts 3" TPF, 1.25" LE to 3" TPF, 1" LE

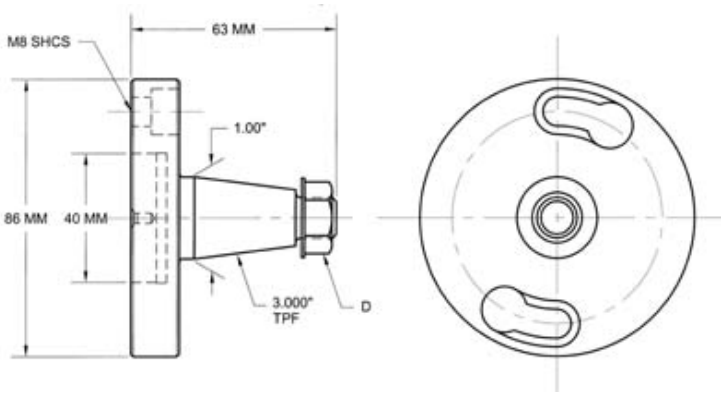


50190 Converts Schütte 1:7.5 Taper Ratio to 3" TPF, 1" LE



Converts Schütte WU400-5C RH Spindle to 3" TPF, 1" LE





SOPKO CATALOG NO.	DIMENSIONS D
50045	1/2-13RH
50203	1/2-13LH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

How did we create the Sopko legacy? Attention to detail and an unremitting commitment to quality that generations of grinding professionals have come to know as the unmatched standard of the industry. Today, customers are still asking for value, performance, and precision.
It's been nearly 50 years; we're still listening.

- HIGH QUALITY INTERNAL TAPERS for precision mounting.
- THREAD GROUND OD THREADS for maximum concentricity and squareness.
- HEAT TREATED COMPONENT PARTS for strength and reliability.
- CONCENTRIC and SQUARE GROUND SURFACES for better workpiece finishes.
- BLACK OXIDE FINISH to protect your investment.



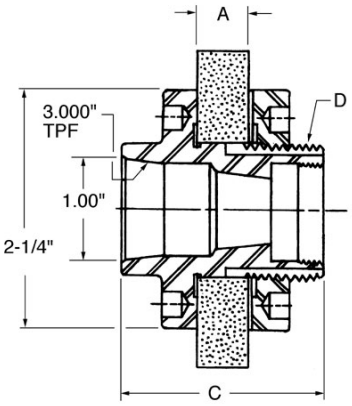


FIG. 1

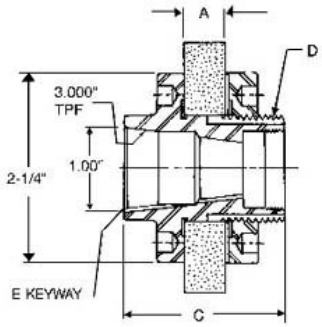


FIG. 2

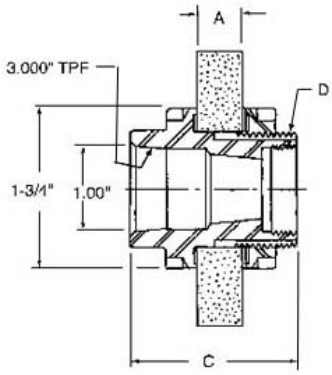


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	E
00100	1	100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00102	1	100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00105	1	100-1C	3/4	1-7/8	1-1/4-16LH	-
00101*	2	AN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	3/16
50183*	2	AN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	3/16
00112	2	KW100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	1/8
00200	1	200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00202	1	200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00208	1	K200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00216	1	K200-2	1/8 to 1/2	1-3/4	1-1/4-16RH	-
00217	1	200-1C	1/2	1-3/4	1-1/4-16LH	-
00201*	2	AN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00225*	2	AN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00226	2	KW200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	1/8
00227	2	KW200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	1/8
00300	1	300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00303*	2	AN-300-1	3/4 to 1	2-1/4	1-1/4-16LH	3/16
00308*	2	AN-300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00302	1	300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00301	1	300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00304	1	300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00305	1	300-1C	1	2-1/4	1-1/4-16LH	-
00306	1	300-2C	1	2-1/4	1-1/4-16RH	-
00307	1	R300-2B	1/2 to 1-1/2	2-11/16	1-1/4-16RH	-
50319	2	KW300-1	3/4 to 1	2-1/4	1-1/4-16LH	1/8
00686	2	KW300-2	3/4 to 1	2-1/4	1-1/4-16RH	1/8
00207	3	X200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00245	3	X200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

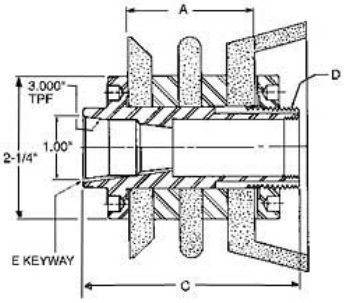
CAUTION!
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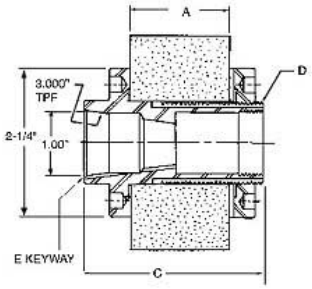
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko is more than quality products; it's quality service too. You can be sure of quick personalized service every time you call. We know you don't have a lot of time to waste listening to phone recordings. You'll be talking to real people with answers to your grinding accessory needs.

- SAME DAY shipment of standard product.
- FRIENDLY and KNOWLEDGEABLE people with INFORMATION you need.
- The LARGEST STOCK of precision grinding accessories in America.
- The source for SPECIAL GRINDING ACCESSORIES made to your specifications.







SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	E
00400	400-1A	2	3-3/16	1-1/4-16LH	-
00402	400-2A	2	3-3/16	1-1/4-16RH	-
00401	400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00403	400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00406	400-1C	1-3/4 to 2	3-3/16	1-1/4-16LH	-
00415	400-2C	1-3/4 to 2	3-3/16	1-1/4-16RH	-
00327*	AN400-1B	1 to 2	3-3/16	1-1/4-16LH	3/16
00413	-	2-1/2 to 2-3/4	3-13/16	1-1/4-16LH	-
00414	-	2-1/2 to 2-5/8	3-3/4	1-1/4-16LH	-
00500	500-1A	3	4-3/16	1-1/4-16LH	-
00502	500-2A	3	4-3/16	1-1/4-16RH	-
00501	500-1B	2 to 3	4-3/16	1-1/4-16LH	-
00503	500-2B	2 to 3	4-3/16	1-1/4-16RH	-
00506	500-1C	1-1/2 to 3	4-3/16	1-1/4-16LH	-
00600	600-1A	4	5-3/16	1-1/4-16LH	-
00602	600-2A	4	5-3/16	1-1/4-16RH	-
00601	600-1B	3 to 4	5-3/16	1-1/4-16LH	-
00604	600-2B	3 to 4	5-3/16	1-1/4-16RH	-
00605	600-1C	3-5/8 to 4	5-3/16	1-1/4-16LH	-
00701	700-1B	4-1/2	5-11/16	1-1/4-16LH	-
00702	700-1C	5	6-3/16	1-1/4-16LH	-
00800	800-1A	6	7-3/16	1-1/4-16LH	-
00801	800-1B	5 to 6	7-3/16	1-1/4-16LH	-
00900	900-1A	7	8-3/16	1-1/4-16LH	-
00999	1000-1A	8	9-3/16	1-1/4-16LH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications

ROTATION:
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LH: Left-hand threads for CW spindle rotation.

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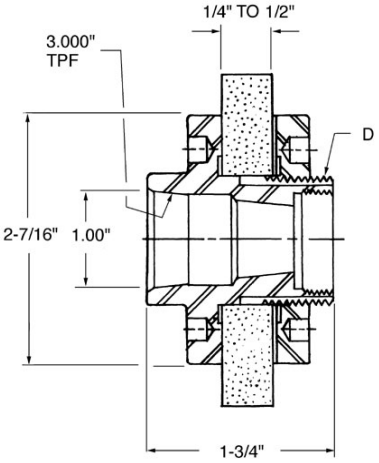
Standard Taper Wheel Adapters.

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00220 (220-1) is the standard replacement adapter for Bridgeport-Harig and Parker PM Majestic grinding machines using 7" diameter wheels.



00220

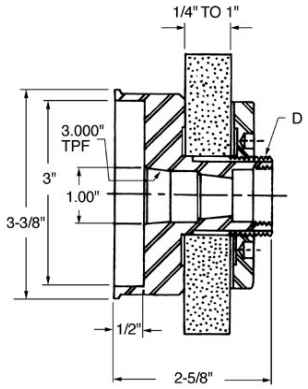


SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00220	220-1	1-1/4-16LH
00221	220-2	1-1/4-16RH

Providing optimum protection against contamination to the wheelhead spindle nose, these high-quality SHROUDED ADAPTERS are designed for performance. Sopko assures this standard with quality features like PRECISION GROUND TAPERS and CONCENTRICALLY GROUND AND SQUARE surfaces to maximize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these adapters because Sopko HEAT TREATS every one.



(Front Side) 00180 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00180	2BY-LH	1-1/4-16LH
00181	2BY-RH	1-1/4-16RH

See page 60 for Pope style shrouded adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250", 1.500", AND 2.000" ID WHEELS.

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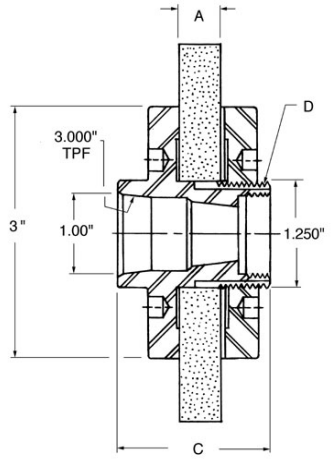


00130



00430

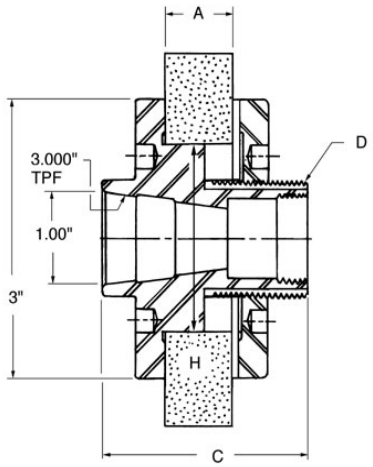
SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D
00130	130-1	3/4	1-15/16	1-1/4-16LH
00132	130-2	3/4	1-15/16	1-1/4-16RH
00230	230-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00232	230-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00330	330-1	3/4 to 1	2-1/4	1-1/4-16LH
00332	330-2	3/4 to 1	2-1/4	1-1/4-16RH
00331	330-1S	3/8 to 1	2-1/4	1-1/4-16LH
00386	330-2S	3/8 to 1	2-1/4	1-1/4-16RH
00430	430-1A	2	3-1/4	1-1/4-16LH
00432	430-2A	2	3-1/4	1-1/4-16RH
00431	430-1B	1 to 2	3-1/4	1-1/4-16LH
00433	430-2B	1 to 2	3-1/4	1-1/4-16RH
00434	430-1D	2-1/4 to 2-1/2	3-3/4	1-1/4-16LH
00435	430-1E	1-1/2 to 2	3-1/4	1-1/4-16LH





00334

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	H
00333	330-1-1.500	1/2 to 1	2-1/4	1-1/4-16LH	1.500
00334	330-1-2.000	1/2 to 1	2-1/4	1-1/4-16LH	2.000



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Play it safe with larger diameter wheels by using Sopko 3-1/2" OD wheel adapters. Manufactured with the same attention to detail, these Sopko adapters feature a high quality internal ground taper, thread ground OD threads, concentric and square ground surfaces, heat treated hub and nut with black oxide finish. Only Sopko offers all these valuable features.

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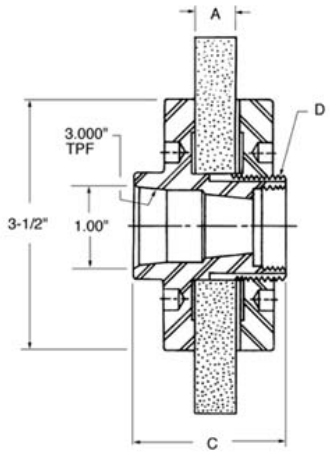


00235



00337

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
00135	135-1	3/4	1-15/16	1-1/4-16LH
00235	235-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00236	235-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00335	335-1	3/4 to 1	2-1/4	1-1/4-16LH
00336	335-2	3/4 to 1	2-1/4	1-1/4-16RH
00337	335-1B	1-1/2	2-3/4	1-1/4-16LH
00618	335-2A	1/2 to 1	2-1/4	1-1/4-16RH



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

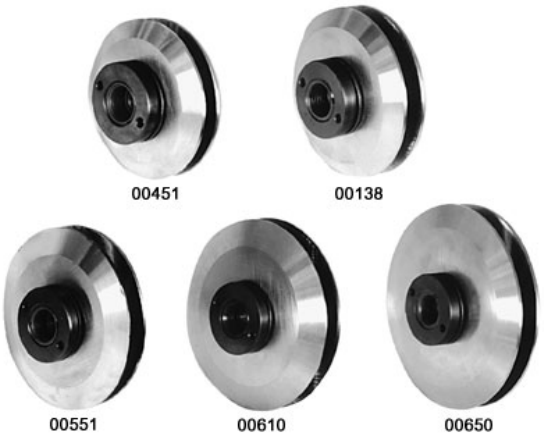
CAUTION!
Always Wear Safety Goggles When Griding.

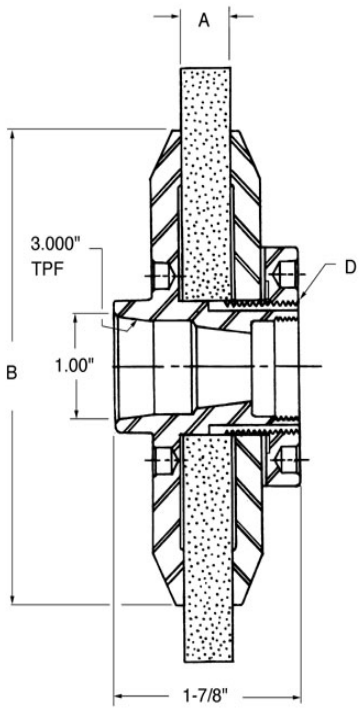
Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. DESIGNED FOR THIN CUT-OFF WHEELS AND DIAMOND WHEELS.

Sopko flanged adapters are machined from alloy steel. The resulting one piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design, and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00451	4.5-1	0 to 1/2	4-1/2	1-1/4-16LH
00452	4.5-2	0 to 1/2	4-1/2	1-1/4-16RH
00138	5.0-1	0 to 1/2	5	1-1/4-16LH
00139	5.0-2	0 to 1/2	5	1-1/4-16RH
00551	5.5-1	0 to 1/2	5-1/2	1-1/4-16LH
00552	5.5-2	0 to 1/2	5-1/2	1-1/4-16RH
00610	6.0-1	0 to 1/2	6	1-1/4-16LH
00612	6.0-2	0 to 1/2	6	1-1/4-16RH
00650	6.5-1	0 to 1/2	6-1/2	1-1/4-16LH
00652	6.5-2	0 to 1/2	6-1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

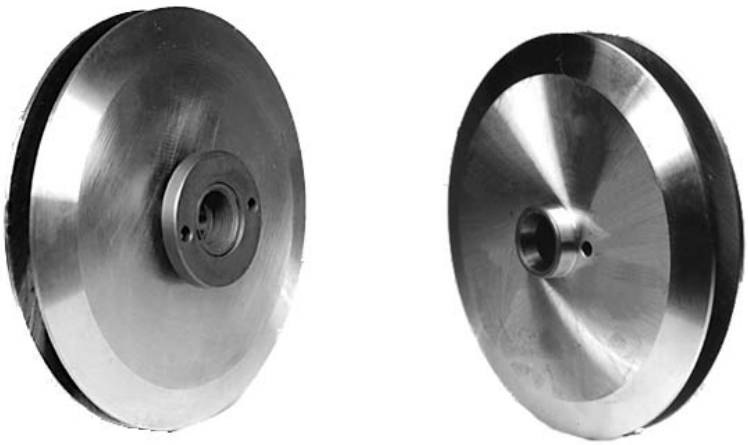
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

All the quality features you expect from Sopko are built into these larger diameter flanged wheel adapters too...

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.



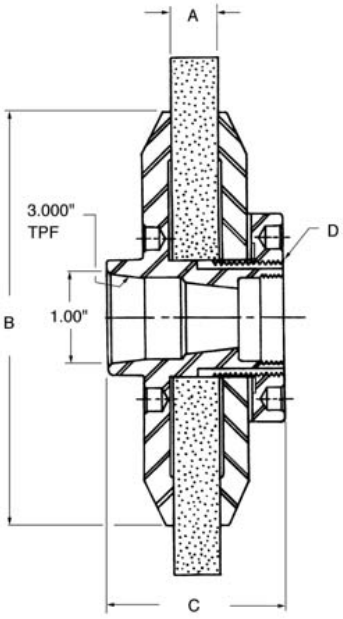
00710

(Front Side) **(Taper Side)**

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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00710 00712	7.0-1 7.0-2	0 to 1/2 0 to 1/2	7 7	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00750 00752	7.5-1 7.5-2	0 to 1/2 0 to 1/2	7-1/2 7-1/2	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00810 00812	8.0-1 8.0-2	0 to 1/2 0 to 1/2	8 8	2 2	1-1/4-16LH 1-1/4-16RH

See page 74 for available flanges.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.* FOR 2.000" AND 3.000" ID WHEELS.

Now you can extend the useful working life of 2.000" and 3.000" ID grinding wheels. There is no need to waste money by throwing worn wheels away. Extend wheel life, use Sopko 4-1/2" flanged diameter wheel adapters! Machined from forged alloy steel, the one-piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

All the quality features you expect from Sopko are built into these flanged wheel adapters for 2.000" ID and 3.000" ID grinding wheels.

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.
- Not for larger surface grinders (taper is 1.00" at LE).

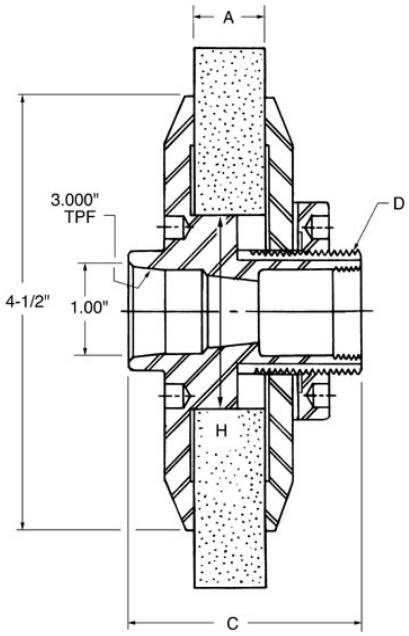
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00453



00455



SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D	H
00453	4.5-1-2	3/8 to 3/4	2-1/8	1-1/4-16LH	2.00
00454	4.5-2-2	3/8 to 3/4	2-1/8	1-1/4-16RH	2.00
00455	4.5-1-3	3/8 to 1	2-3/8	1-1/4-16LH	3.00
00456	4.5-2-3	3/8 to 1	2-3/8	1-1/4-16RH	3.00

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Balancing Wheel Adapters for Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

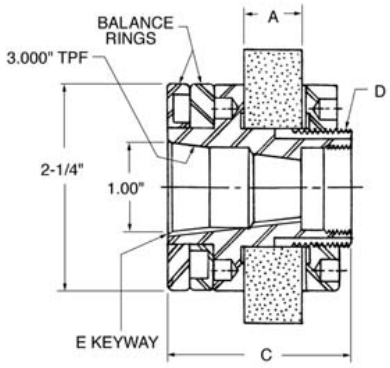
Sopko balancing rings have milled pockets with 180° arc-length. One end of the arc is permanently stamped with a reference line and arrow to designate direction of rotation. Unlike some balancing rings, Sopko “sandwiches” the milled pockets together inside the mated faces. Grinding grit can’t build up! Rings are lapped flat and ground for a precision fit. A nylon-tipped set screw secures each ring to the adapter hub. All balancing adapters furnished with a 3/32" hex wrench 00938.



00565



00106



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	E
00106	B100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00107	B100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00260	B200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00262	B200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00310	B300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00311	B300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00313	B300-1C	1	2-1/4	1-1/4-16LH	-
00312	B300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
50331**	ANB300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00338	B300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00404	B400-1A	2	3-3/16	1-1/4-16LH	-
00405	B400-2A	2	3-3/16	1-1/4-16RH	-
00410	B400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00412	B400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00504	B500-1A	3	4-3/16	1-1/4-16LH	-
00565	B500-1B	2 to 3	4-3/16	1-1/4-16LH	-

Use Sopko Balancing Adapters to:

- Increase productivity.
- Reduce downtime and maintenance.

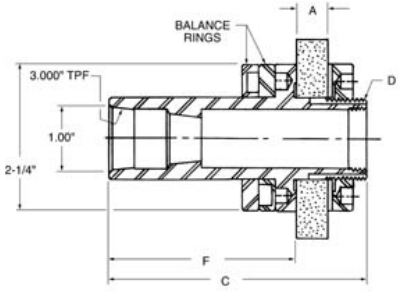
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00505	B500-2A	3	4-3/16	1-1/4-16RH	-
50305	B600-1B	3 to 4	5-3/16	1-1/4-16LH	-
50393	B1000-1A	8	9-3/16	1-1/4-16LH	-

- Produce low micro-finishes.
- Reduce wheel wear and truing frequency.
- Reduce costly spindle failures.

**Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.





00228

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	F
00228	B200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00229	B200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00244	B200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00219	B200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16

*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

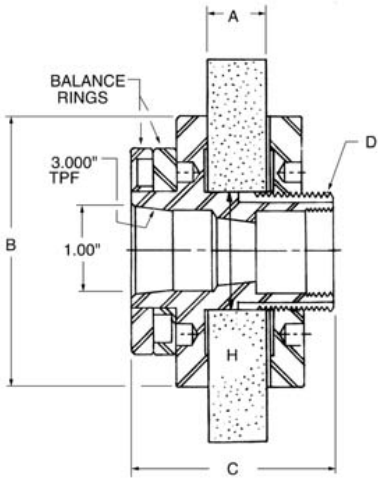
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.





00460

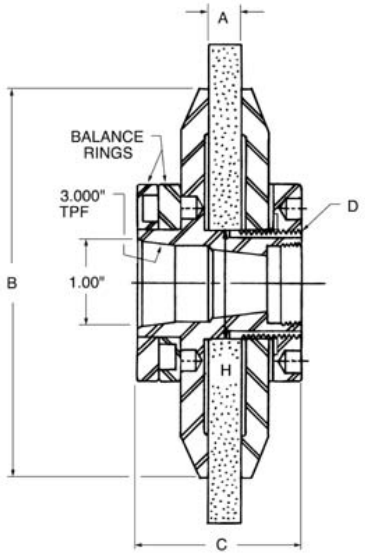
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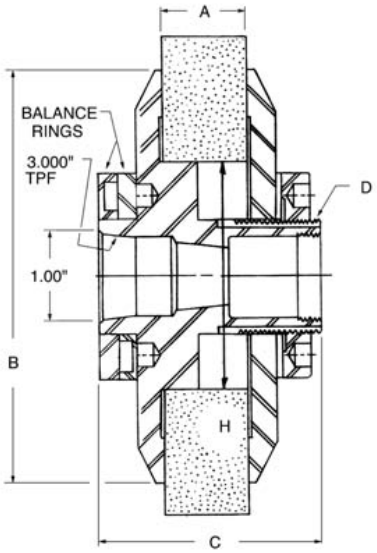
00248
(Front Side)



00251
(Taper Side)



SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000



*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Long Extended Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko LONG EXTENDED ADAPTERS are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinder applications where the operator must reach across a boss or other obstruction in order to grind. The adapters have also found wide application on cutter grinders and tap grinders.

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00203



00252

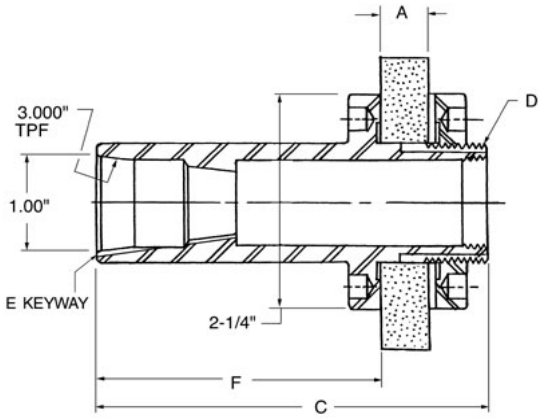


FIG. 1

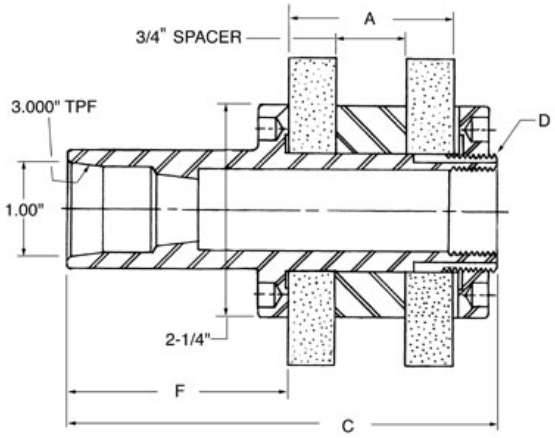


FIG. 2

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	C	D	E	F
00901	1	200-1LH-1/4	1/4 to 5/8	2	1-1/4-16LH	-	15/16
00203	1	200-1LH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	-	2-5/16
00204	1	200-2RH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	-	2-5/16
50315	1	200-1LH1-5/8KW	1/4 to 1/2	3-3/8	1-1/4-16LH	1/8	2-5/16
05256	1	200-1E-1-5/8	2-1/4	5-1/16	1-1/4-16LH	-	2-5/16
00252*	2	S200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00254	1	200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00214	1	200-1LH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	-	3-7/16
00215	1	200-2RH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	-	3-7/16

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Cup Wheel Extended Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Sopko cup wheel adapters are made with a THIN WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive wheel lock. A hardened and ground nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN UP during spindle rotation.

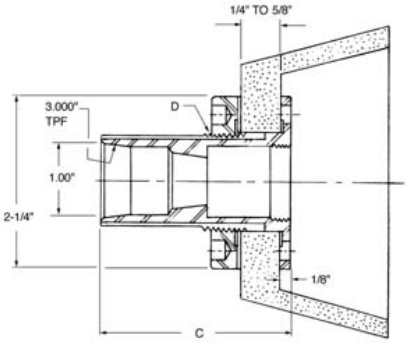




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	00263	00265	
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		C	D
00263	200-1CW	2-1/2	1-1/4-16LH
00264	200-2CW	2-1/2	1-1/4-16RH
00265	-	3-1/2	1-1/4-16LH
00266	-	3-1/2	1-1/4-16RH

*Grinding wheel not included.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Short I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All SHORT IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 1-1/4" wrench flat on the body makes installation and removal easy.

CHECK THESE FEATURES!

- ALL DIAMETERS GROUND for concentricity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- ALL COMPONENT PARTS HEAT TREATED for strength and long life.
- THREAD GROUND EXTERNAL THREADS for maximum concentricity and squareness.
- SPECIALS can be made to your requirements. Please specify wheel OD, width, and ID.


00759


00765

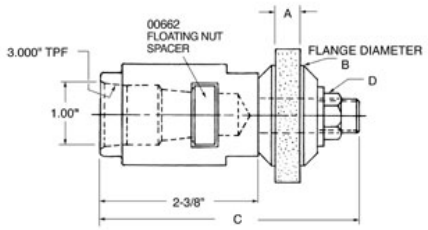

00769


00773


00775

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00759	200-3/8LH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16LH HEX
00760	200-3/8RH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16RH HEX
00761		1/2 to 3/4	2	3-7/8	3/8-16LH HEX
00762		1/2 to 3/4	2	3-7/8	3/8-16RH HEX
00763	200-1/2LH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13LH HEX
00764	200-1/2RH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13RH HEX
00765		3/8 to 5/8	2	3-7/8	1/2-13LH HEX
00766		3/8 to 5/8	2	3-7/8	1/2-13RH HEX
00769		1/2	2	3-7/8	5/8-18LH HEX
00770		1/2	2	3-7/8	5/8-18RH HEX
00773		1/2	2	4	3/4-16LH HEX
00774		1/2	2	4	3/4-16RH HEX
00775	200-1LH-S	1/2	2-1/2	4	1-20LH ROUND

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00776	200-1RH-S	1/2	2-1/2	4	1-20RH ROUND

Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16" wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

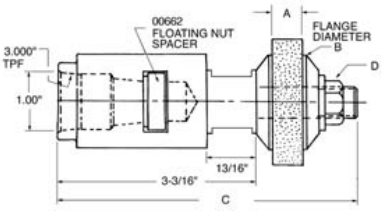


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16" wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

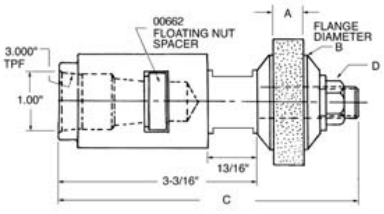


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Collet Chuck Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

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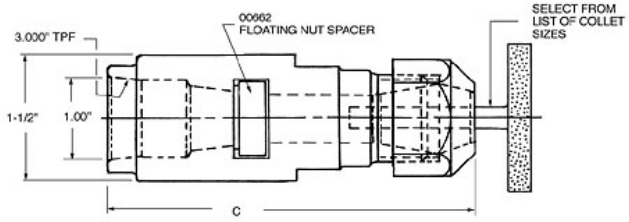
Widely used on surface grinders, the set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

THERE IS A DIFFERENCE WITH SOPKO!

- Collet Chuck Quills are ground all over for true CONCENTRICITY and BALANCE.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- Made from AMERICAN SUPERIOR QUALITY alloy steel and heat treated for optimum performance.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose angle to assure PROPER ENGAGEMENT of the grinding wheel shank.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C
00246	200-CCEA-S	2-15/16
00249	200-CCEA-L	4-15/16



6000 SERIES COLLETS** RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	COLLET CAPACITY
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

**Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Male Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

SHORT MALE EXTENSIONS provide increased utility because grinding wheels already mounted do not need to be dismounted. This feature is especially useful when grinding with diamond wheels. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut. A 1-1/8” wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

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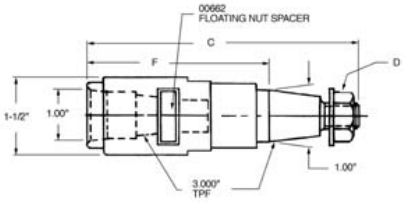


00237

LONG MALE EXTENSIONS are designed for even greater clearance possibilities with their added reach. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut.



00257



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F
00237	200-3-1/2LH	5-1/4	1/2-13LH	HEX 3-1/2
00238	200-3-1/2RH	5-1/4	1/2-13RH	HEX 3-1/2
00257	200-5LH	6-5/8	1/2-13LH	HEX 4-7/8
00258	200-5RH	6-5/8	1/2-13RH	HEX 4-7/8

* See page 76 for available hex spindle nut sizes.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Reversible Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way without redressing.

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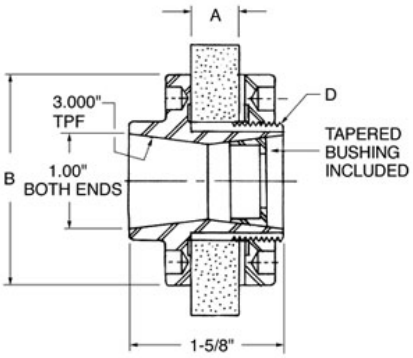
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for
  BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper and are securely locked against loosening by the wheel rotation.
- Manufactured from quality steel to withstand the rigors of daily use, then HARDENED and GROUND.

For use on all spindles having a 3.000" TPF with 1.00" diameter at large end of taper. Including: Boyar-Schultz, Bridgeport, Brown & Sharpe, DoAll, Excello, Foote Burt-Hammond, Harig, Norton, Parker Majestic, Pope, Reid, Sanford, Setco, Taft Pierce, and Whitnon.



00222

A precision ground double-taper and removable bushing make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. LH thread is standard.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00222	222RWA	1/4 to 1/2	2-1/4	1-1/4-16LH
00255	222RWA-R	1/4 to 1/2	2-1/4	1-1/4-16RH
00256	4.5-2RWA	0 to 1/2	4-1/2	1-1/4-16RH
00022	22-W	Replacement tapered bushing.		

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters For Metric Bore Wheels.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 32MM (1.217") ID WHEELS.



00174



00176

For 32MM Metric Bore Wheels

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00170



00172

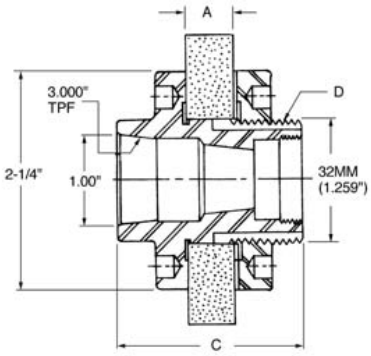


FIG. 1
For 32MM Metric Bore Wheels

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00170	1	1-100-1	1/2 to 3/4	1-7/8	1-1/4-16LH
00171	1	1-100-2	1/2 to 3/4	1-7/8	1-1/4-16RH
00172	1	2-200-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00173	1	2-200-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00174	1	3-300-1	3/4 to 1	2-1/4	1-1/4-16LH
00175	1	3-300-2	3/4 to 1	2-1/4	1-1/4-16RH
00176	2	2-230-1	1/4 to 1/2	1-3/4	1-1/4-16LH

*Other metric sizes quoted on request.

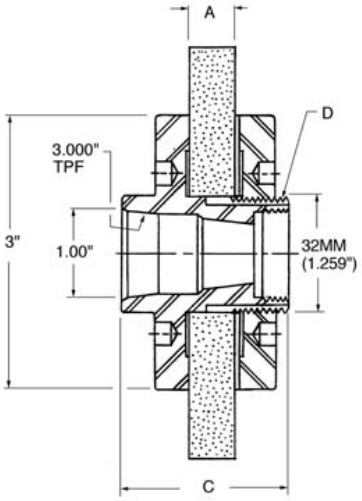


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

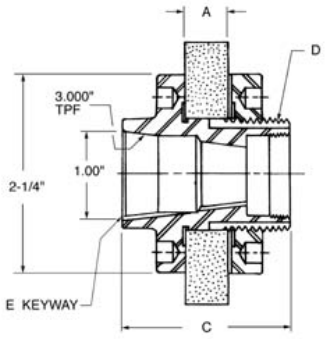
- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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00345 00348 00366

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSION A	C	D	E
00345	EN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00346	EN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00347	EN100-1C	3/4	1-7/8	1-1/4-16LH	-
00348	EN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00349	EN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00350*	ENA200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00351*	ENA200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00352**	ENK200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00353**	A2031-1	1/8 to 5/8	1-3/4	1-1/4-16LH	-
00355	EN200-1C	1/2	1-3/4	1-1/4-16LH	-
00364	EN300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00365	EN300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00368	EN300-1C	1	2-1/4	1-1/4-16LH	-
00369	EN300-2C	1	2-1/4	1-1/4-16RH	-
00356	A2031-2	3/8 to 1	2-1/4	1-1/4-16LH	-
00366	EN300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00367	EN300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00370	A2031-5	3/8 to 1-1/2	2-11/16	1-1/4-16LH	-



Electroless nickel plating available on all Sopko adapters at additional cost.
*Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.
** Keyway to face.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.
Sopko

Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.

- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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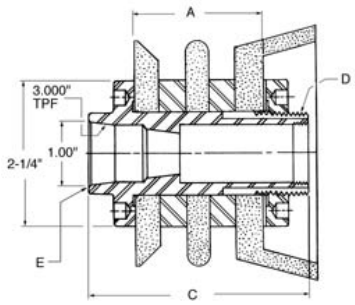


FIG. 1

00373 **00377**

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00371	1	EN400-1A	2	3-3/16	1-1/4-16LH
00372	1	EN400-2A	2	3-3/16	1-1/4-16RH
00373	1	EN400-1B	1 to 2	3-3/16	1-1/4-16LH
00374	1	EN400-2B	1 to 2	3-3/16	1-1/4-16RH
00376	1	EN500-1A	3	4-3/16	1-1/4-16LH
00377	1	EN500-1B	2 to 3	4-3/16	1-1/4-16LH
00378	1	A2031-4	1-3/4 to 3	4-3/16	1-1/4-16LH
00379	1	EN600-1A	4	5-3/16	1-1/4-16LH
00357	2	EN200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH

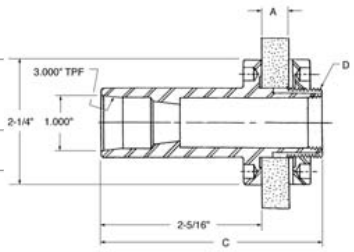


FIG. 2

Electroless nickel plating available on all Sopko adapters at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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01112



00651



00358



00360

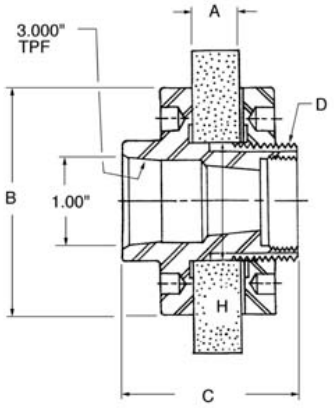


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250
00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250

Electroless nickel plating available on all Sopko adapters at additional cost.
*Balancing style adapter.

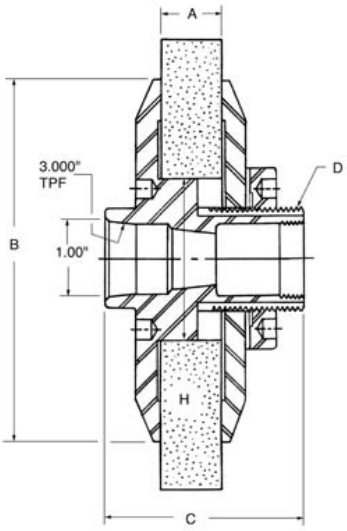


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Stainless Steel Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Made from 300 series stainless steel, and designed for applications that require the ultimate in corrosion resistance, these adapters are used widely in medical applications. They are anti-magnetic, which makes them ideal for cutting slots or grooves in magnetic materials. Hub, washer, and nut are all made from 300 series stainless steel.

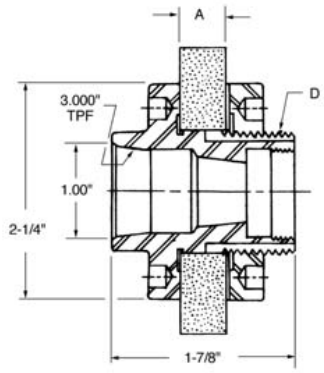
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00259



00267



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00259	SS100-1	3/8 to 3/4	1-1/4-16LH
00261	SS100-2	3/8 to 3/4	1-1/4-16RH
00211	S100/200-1	1/2 to 3/4	1-1/4-16LH
00267	SS100/200-2	1/2 to 3/4	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

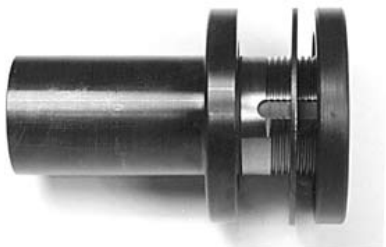
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32” Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



00719



00716

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00721

Note: 3/32" Keyway in small end of taper only

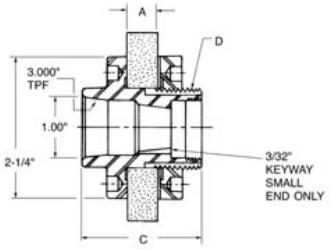


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	F
00716	1	U200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00717**	1	BU200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00718	1	U200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00719	2	U200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00720	2	U200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00721	2	U200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00423	2	U200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16
00722	1	U300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00709	1	U300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00723	1	U300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00193**	1	BU300-1	3/4 to 1	2-1/4	1-1/4-16LH	-

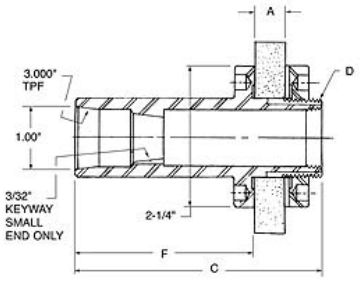


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

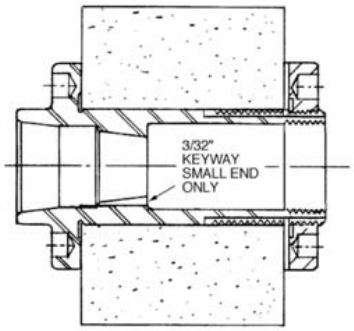
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32" Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



Note: 3/32" Keyway in small end of taper only



00725

SOPKO	SOPKO	DIMENSIONS

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CATALOG NO.	FIG.	PART NO.	A	C	D
00724	1	U400-1A	2	3-3/16	1-1/4-16LH
00725	1	U400-1B	1 to 2	3-3/16	1-1/4-16LH
00726	1	U400-2A	2	3-3/16	1-1/4-16RH
00727**	1	BU400-1B	1 to 2	3-3/16	1-1/4-16LH
00728	1	U500-1A	3	4-3/16	1-1/4-16LH
50320	1	U500-2A	3	4-3/16	1-1/4-16RH
00729	1	U500-1B	2 to 3	4-3/16	1-1/4-16LH
00730	1	U600-1A	4	5-3/16	1-1/4-16LH
00606	1	U600-1B	3 to 4	5-3/16	1-1/4-16LH
00732	2	U330-1	3/4 to 1	2-1/4	1-1/4-16LH
00733	2	U430-1A	2	3-1/4	1-1/4-16LH
00734	2	U430-1B	1 to 2	3-1/4	1-1/4-16LH

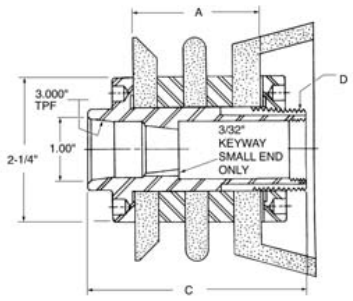


FIG. 1

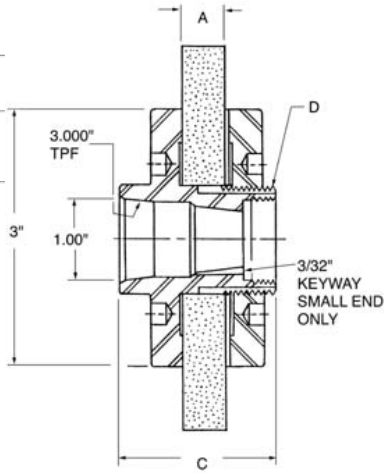


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.



00739

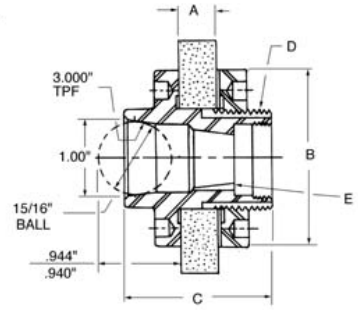


FIG. 1

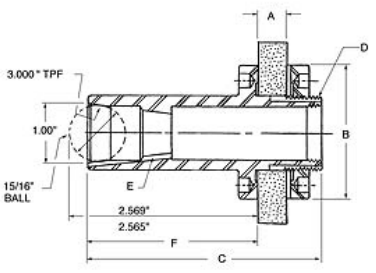


FIG. 2

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00738



00737

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

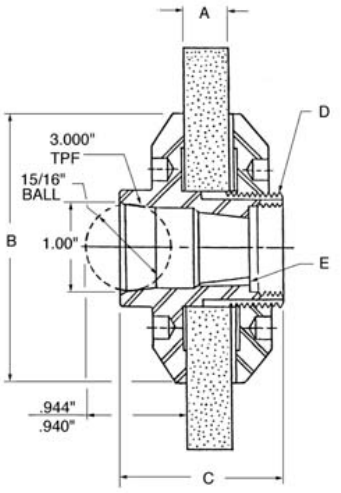


FIG. 3

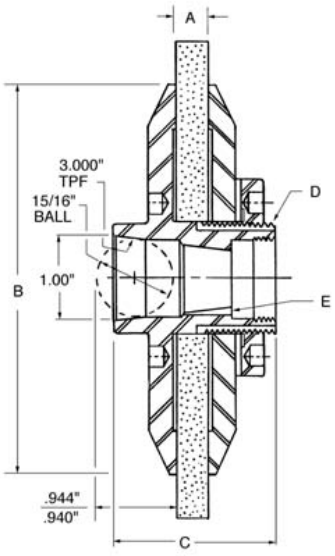


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With Glare Gear Assembly.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The UNIQUE GRINDING WHEEL LOCKING SYSTEM that eliminates damage to grinding wheels and spindle bearings caused by hammering. Also provides best possible mounting concentricity when tightening diamond, CBN, or vitrified wheels.

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01231**



01235

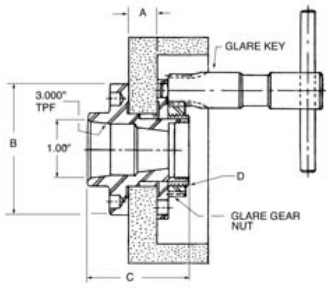


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS					
			A	B	C	D	E	F
01231	1	GG100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-	-
01232	1	GG100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-	-
01233	1	GG200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-	-
01234	1	GG200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-	-
01235	1	GG220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	-	-
01236	1	GG300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-	-
01237	1	GG300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	-	-
00159	1	GG300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	-	-
00127	1	GG400-1A	2	2-1/4	3-3/16	1-1/4-16LH	-	-
00566	1	GG400-2A	2	2-1/4	3-3/16	1-1/4-16RH	-	-
00189	1	GG400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	-	-
00417	1	GG500-1A	3	2-1/4	4-3/16	1-1/4-16LH	-	-
00462	1	GG500-2A	3	2-1/4	4-3/16	1-1/4-16RH	-	-
00704	1	GG500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	-	-
01282	3	GG200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-	2-5/16
00687	3	GG200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	-	3-7/16
00740*	2	GGU100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	3/32	-
00741*	2	GGU100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	3/32	-
00742*	2	GGU200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32	-
00743*	2	GGU200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	3/32	-
00744*	2	GGU300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	3/32	-
00745*	2	GGU300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	3/32	-
00746*	2	GGU300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	3/32	-
00747*	2	GGU400-1A	2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00748*	2	GGU400-2A	2	2-1/4	3-3/16	1-1/4-16RH	3/32	-
00194*	2	GGU400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00324*	2	GGU500-1A	3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00548*	2	GGU500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00320*	3	GGU200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/32	2-5/16
00595*	3	GGU200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3/32	3-7/16
50329*	3	GGU200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	3/32	2-5/16

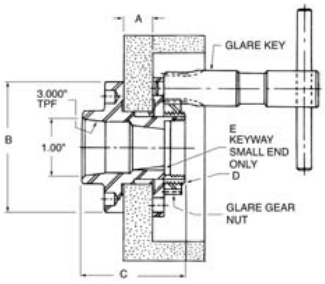


FIG. 2

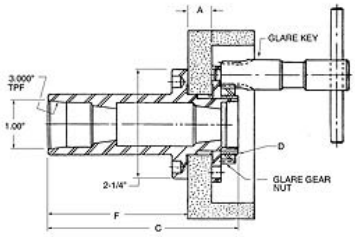


FIG. 3

See page 73 for complete selection of Glare Gear components.
Glare Gear Assemblies can be furnished with all 1-1/4" ID adapters.
List above is stocked product only.
*For grinding machines manufactured by Unison Corp., Ferndale, MI.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Pin Slot Wheel Adapters for Reversing Spindles.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.

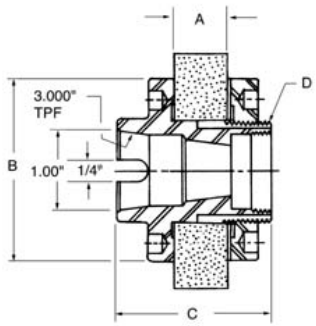


FIG. 1

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00094



00275



00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F
00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-
00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

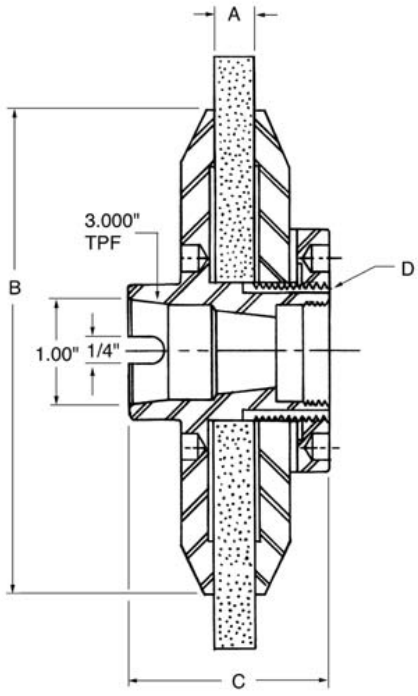


FIG. 2

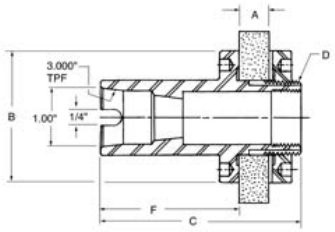


FIG. 3

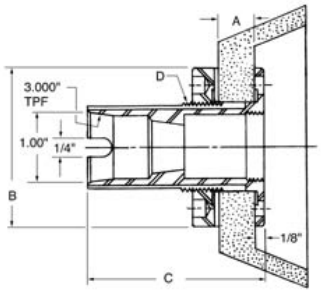


FIG. 4

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Clausing 1020, 4020, Covel 35, Covel 35B, Ingersoll Milling Co. and Brown & Sharpe No. 5 Grinders.

1:5 TAPER RATIO, 3.500" TPF AND 3.000" TPF, WITH 1.03", 1.31" AND 1.50" DIAMETER AT LARGE END OF TAPER. FOR 1.25O", 2.000" AND 3.000" ID WHEELS.

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FOR CLAUSING
1020 GRINDERS.

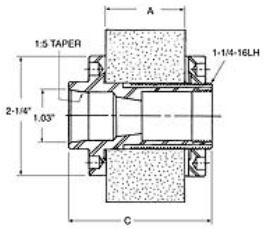
SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00473	2	3-3/16
00474*	3	4-3/16



00473



00474



* Balancing style adapter.

FOR CLAUSING 4020,
COVEL 35, AND COVEL
35B GRINDERS.

SOPKO CATALOG NO.	SOPKO PART NO.
00693	17-17H

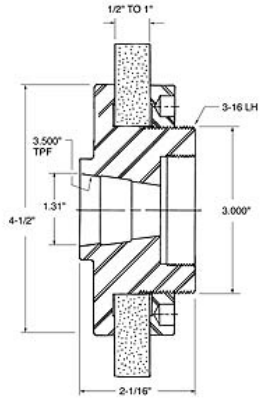


(Front Side)

00693



(Taper Side)



These shrouded adapters, for Brown & Sharpe No. 5 surface grinders and the Ingersoll Milling Machine grinders, feature a 3/4" deep shroud that surrounds the wheelhead spindle nose and provides optimum protection against contamination. Fully HEAT TREATED, you can expect years of performance and with standard features like PRECISION GROUND TAPERS, and CONCENTRICALLY GROUND AND SQUARE surfaces, you're assured of optimum cutting conditions too.

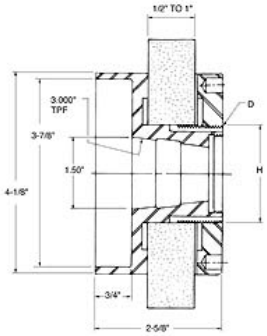


(Front Side)

00182



(Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		D	H
00182	23-1569	2-16LH	2.000
00183*	25-1569	3-16LH	3.000

* Most popular.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Cup Wheel Extended Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Sopko cup wheel adapters are made with a THIN WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive wheel lock. A hardened and ground nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN UP during spindle rotation.



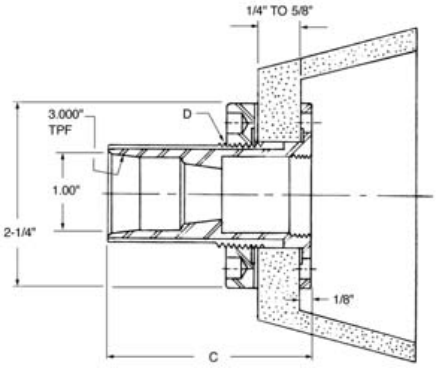
00263



00265

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		C	D
00263	200-1CW	2-1/2	1-1/4-16LH
00264	200-2CW	2-1/2	1-1/4-16RH
00265	-	3-1/2	1-1/4-16LH
00266	-	3-1/2	1-1/4-16RH

*Grinding wheel not included.



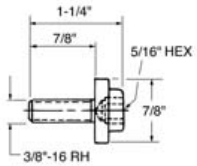
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Flanged and Cup Wheel Extension Adapters.

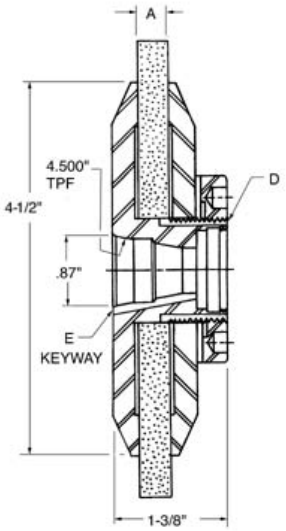
4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

Sopko flanged adapters are machined from forged alloy steel. The resulting one-piece hub design distributes mounting pressures away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one-piece design and the precision ground flange provides identical radial load-bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.



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00457

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	D	E
00446	C4.5-1	0 to 1/2	1-1/4-16LH	-
00564*	C4.5-1KW	0 to 1/2	1-1/4-16LH	1/8
00158	C4.5-2	0 to 1/2	1-1/4-16RH	-
00457*	C4.5-2KW	0 to 1/2	1-1/4-16RH	1/8

*Spindle mounting bolt 14362 and retaining ring 04269 included.

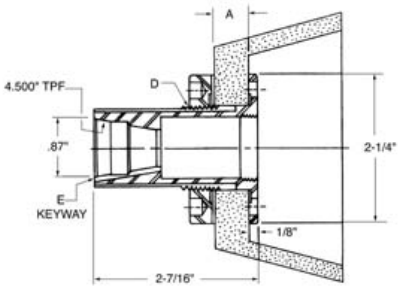
Sopko cup wheel adapters are made with a THIN-WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED, and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive lock. A hardened nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN during spindle rotation.

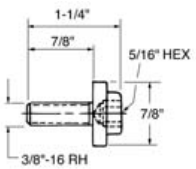




00289 **00290†**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	D	E
00289	C200-2CW	3/8 to 5/8	1-1/4-16RH	-
00290**	C200-2CWKW	3/8 to 5/8	1-1/4-16RH	1/8





** Includes spindle mounting bolt 14362 only.
†Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Long Extended Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko LONG EXTENDED ADAPTERS are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinder applications where the operator must reach across a boss or other obstruction in order to grind. The adapters have also found wide application on cutter grinders and tap grinders.



00203



00252

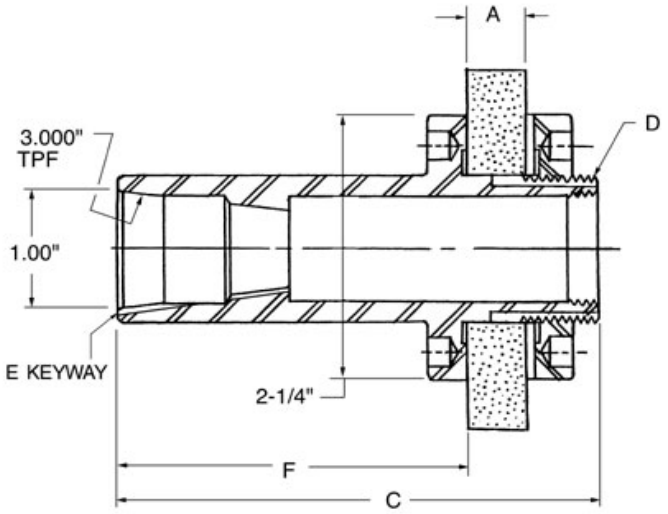


FIG. 1

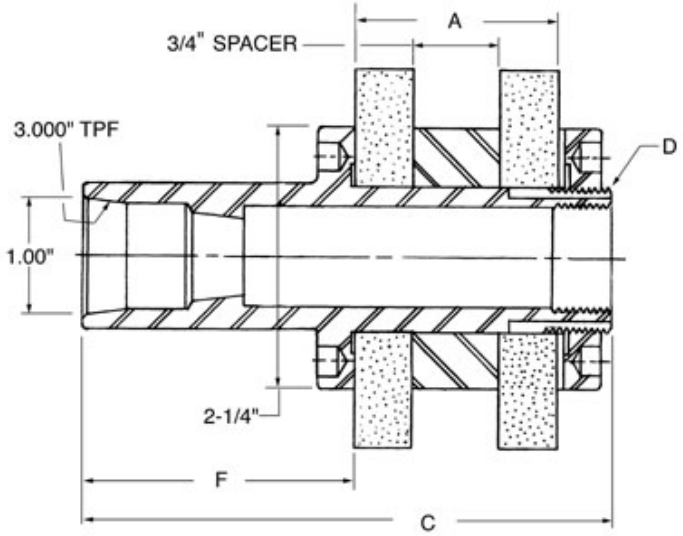


FIG. 2

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	C	D	E	F
00901	1	200-1LH-1/4	1/4 to 5/8	2	1-1/4-16LH	-	15/16
00203	1	200-1LH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	-	2-5/16
00204	1	200-2RH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	-	2-5/16
50315	1	200-1LH1-5/8KW	1/4 to 1/2	3-3/8	1-1/4-16LH	1/8	2-5/16
05256	1	200-1E-1-5/8	2-1/4	5-1/16	1-1/4-16LH	-	2-5/16
00252*	2	S200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00254	1	200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00214	1	200-1LH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	-	3-7/16
00215	1	200-2RH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	-	3-7/16

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

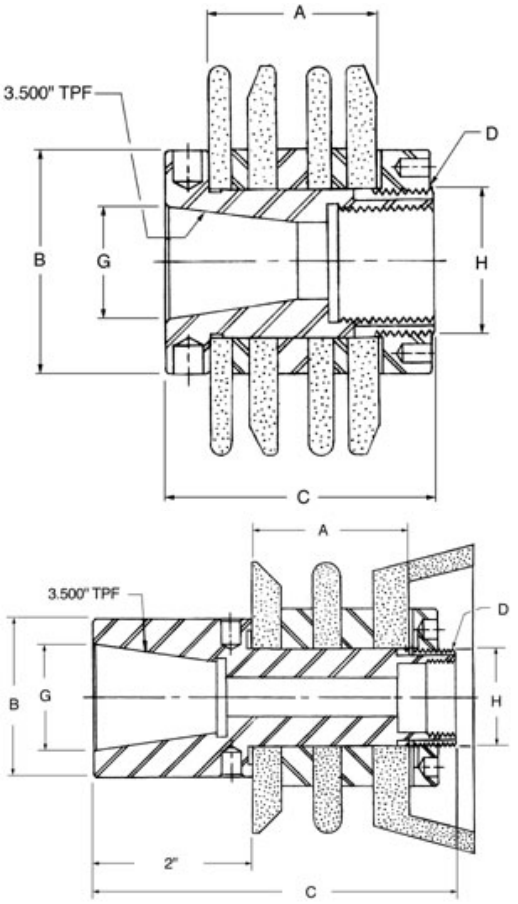
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Wheel Adapters for Grinding Machines Manufactured by ANCA, Victoria, Australia.

3.500" TPF WITH 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 2.000" ID WHEELS.

Sopko quality Anca FASTGRIND adapters are made for the operator expecting the highest standard of performance required by today's fast set-up times and short production runs. Sopko assures this standard with quality features like PRECISION GROUND TAPERS for reliable spindle mating and CONCENTRICALLY GROUND AND SQUARE surfaces to optimize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these FASTGRIND adapters because Sopko HEAT TREATS every one. Every Anca adapter is furnished complete with a spindle mounting bolt, lock washer and recessed washer.





SOPKO CATALOG NO.	FIG.	ANCA PART NO.	DIMENSIONS A	B	C	D	G	H	MACHINE
00625	1	AT902-0-00-5026	1-1/8 to1-1/4	3	2-3/16	2-16RH	1.38	2.000	TG7/DM7
00626	1	AT902-0-00-5027	1-7/8 to 2	3	2-31/32	2-16RH	1.38	2.000	TG7/DM7
50063	1	-	2-5/8	3	3-9/16	2-16RH	1.38	2.000	TG7/DM7
00823	1	AT937-0-00-1009	3-1/4	3	4-1/8	2-16RH	1.38	2.000	TG7/DM7
00627	1	-	3-3/8 to 3-1/2	3	4-3/8	2-16RH	1.38	2.000	TG7/DM7
00822	1	AT937-0-00-1010	4-3/8	3	5-5/16	2-16RH	1.38	2.000	TG7/DM7
50163	2	AT902-0-01-5037	2	2	4.613	1-1/4-16RH	1.38	1.250	TG7/DM7
00628	1	AT913-0-00-1024	1-1/8	1-31/32	1-31/32	1-1/4-16RH	1.02	1.250	MG7/RG7
00629	1	AT913-0-00-1025	1-7/16 to 1-1/2	1-31/32	2-3/8	1-1/4-16RH	1.02	1.250	MG7/RG7
50186	1	-	2-1/8	1-31/32	3-1/32	1-1/4-16RH	1.02	1.250	MG7/RG7
50187	1	-	2-5/8	1-31/32	3-1/2	1-1/4-16RH	1.02	1.250	MG7/RG7
50188	1	-	3-1/8	1-31/32	4	1-1/4-16RH	1.02	1.250	MG7/RG7
50350*	1	-	2-1/2	3	3-7/16	2-16RH	1.02	2.000	MG7/RG7
00496**	1	AT913-2-00-1010	1-1/2 to 1-3/4	1-31/32	2-5/8	1-1/4-16RH	1.02	1.250	RGX
00521***	1	AT913-2-00-1020	2 to 2-1/2	1-31/32	3-19/64	1-1/4-16RH	1.02	1.250	RGX
00398***	1	AT913-2-00-1030	2-5/8 to 3	1-31/32	3-13/16	1-1/4-16RH	1.02	1.250	RGX
00879***	1	AT913-2-00-1040	3 to 3-3/8	1-31/32	4-7/32	1-1/4-16RH	1.02	1.250	RGX

* Allows use of 2" ID wheels on MG7/RG7 machines.

** Includes two 5MM spacers 01305, one 10MM spacer 01310, and bi-directional nut 00067.

*** Includes two 5MM spacers 01305, two 10MM spacers 01310, and bi-directional nut 00067.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

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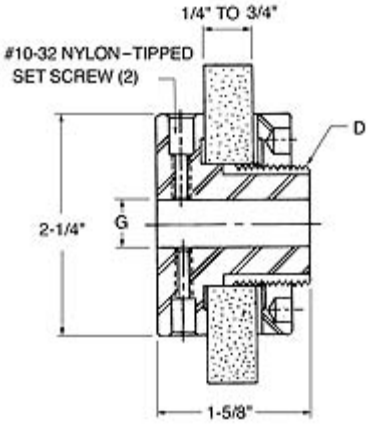
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Straight Bore Wheel Adapters.

WITH .500", .625", AND .750" BORES.
FOR 1.250" ID WHEELS.



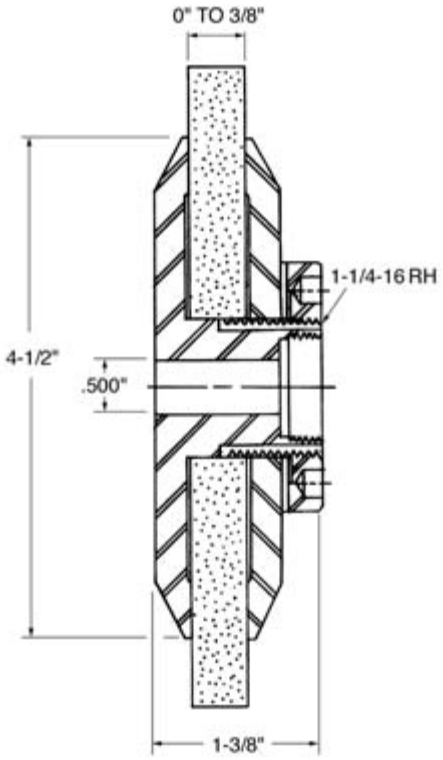
00147



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		D	G
00147	S117-1/2-1	1-1/4-16LH	0.500
00148	S117-1/2-2	1-1/4-16RH	0.500
00149	S117-5/8-1	1-1/4-16LH	0.625
00150	S117-5/8-2	1-1/4-16RH	0.625
00151	S117-3/4-1	1-1/4-16LH	0.750
00152	S117-3/4-2	1-1/4-16RH	0.750



00153



SOPKO CATALOG NO.	SOPKO PART NO.
00153*	DM4.5-2

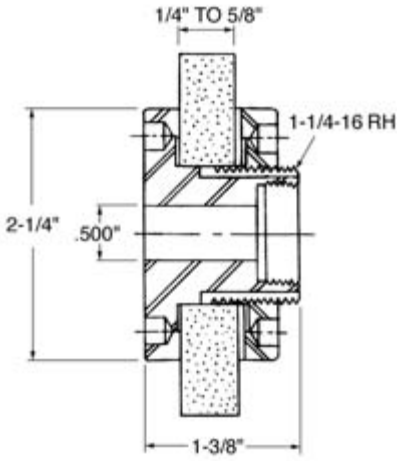
*Designed to be used on the Dumore 5X350 external wheel spindle and perfect for thin diamond wheels.

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SOPKO CATALOG NO.	SOPKO PART NO.
00154**	DM200-2



00154



**Designed to be used on the Dumore 5X350 external wheel spindle.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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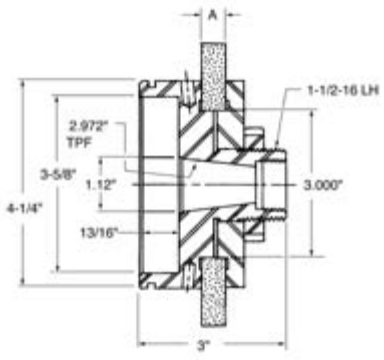
Wheel Adapters for Abrasive (Gardner), DeVlieg, and ELB Grinders.

2.972" TPF, 3.000" TPF, AND 11° 20' INC ANGLE TAPER WITH 1.12", 1.00", AND .98" DIAMETER AT LARGE END OF TAPER. FOR 3.000" AND 1.250" ID WHEELS.

The 00813 ABRASIVE (GARDNER) No. 1-1/2, 10"x15" manual surface grinder adapter features a 13/16" deep shrouded design to keep contaminants away from the spindle. To maximize cutting conditions and to prolong wheel life, Sopko provides PRECISION GROUND TAPERS, and CONCENTRIC AND SQUARE SURFACES. OD threads are GROUND and hubs and nuts are HEAT TREATED FOR STRENGTH.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A
00813	ABR 1-1/2	1/2 to 2



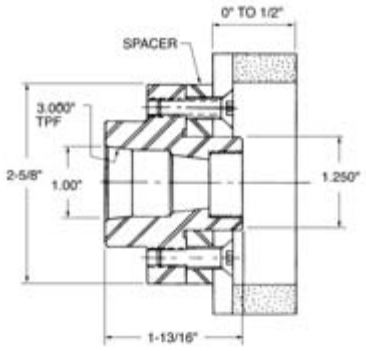


00813

The 00191 DEVLIEG MICRO-POINT GRINDER ADAPTER is designed for plate-mounted grinding wheels with the abrasive medium bonded to a steel wheel. Four 1/4-20 tapped holes, used to lock the wheel in place, are positioned on a 2" diameter center-line. Assembled with hub and 3/8" spacer, 1/4-20 screws are not included.

SOPKO CATALOG NO.	SOPKO PART NO.
00191	DV262





00191

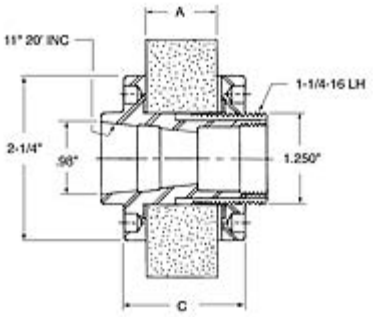
For older ELB GRINDERS and new MIGHTY FREEPORT 618 GRINDERS.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C
00177 *	ELB200-1	3/8 to 1/2	1-3/4
00178 *	ELB300-1	3/4 to 1	2-1/4

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00179 *	ELB400-1A	1 to 2	3-3/16





00177

* For small Elb surface grinders.
Larger Elb adapters can be manufactured as specials.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

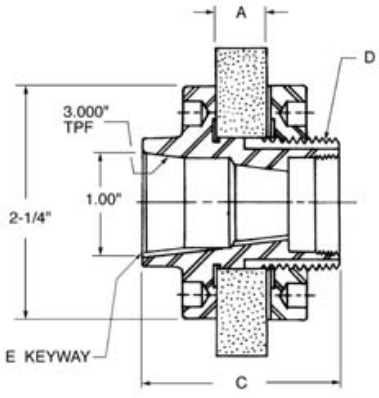
Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.



00345 **00348** **00366**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSION			
		A	C	D	E
00345	EN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00346	EN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00347	EN100-1C	3/4	1-7/8	1-1/4-16LH	-
00348	EN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00349	EN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00350*	ENA200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00351*	ENA200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00352**	ENK200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00353**	A2031-1	1/8 to 5/8	1-3/4	1-1/4-16LH	-
00355	EN200-1C	1/2	1-3/4	1-1/4-16LH	-
00364	EN300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00365	EN300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00368	EN300-1C	1	2-1/4	1-1/4-16LH	-
00369	EN300-2C	1	2-1/4	1-1/4-16RH	-
00356	A2031-2	3/8 to 1	2-1/4	1-1/4-16LH	-
00366	EN300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00367	EN300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00370	A2031-5	3/8 to 1-1/2	2-11/16	1-1/4-16LH	-



Electroless nickel plating available on all Sopko adapters at additional cost.
*Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.
** Keyway to face.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

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FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.
Sopko

Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.

- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.



00373



00377

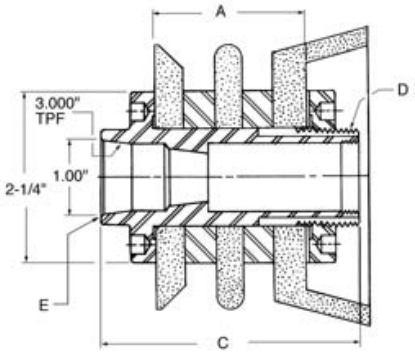


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00371	1	EN400-1A	2	3-3/16	1-1/4-16LH
00372	1	EN400-2A	2	3-3/16	1-1/4-16RH
00373	1	EN400-1B	1 to 2	3-3/16	1-1/4-16LH
00374	1	EN400-2B	1 to 2	3-3/16	1-1/4-16RH
00376	1	EN500-1A	3	4-3/16	1-1/4-16LH
00377	1	EN500-1B	2 to 3	4-3/16	1-1/4-16LH
00378	1	A2031-4	1-3/4 to 3	4-3/16	1-1/4-16LH
00379	1	EN600-1A	4	5-3/16	1-1/4-16LH
00357	2	EN200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH

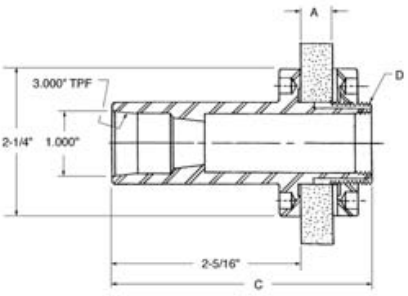


FIG. 2

Electroless nickel plating available on all Sopko adapters at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a

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uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.



01112



00651



00358



00360

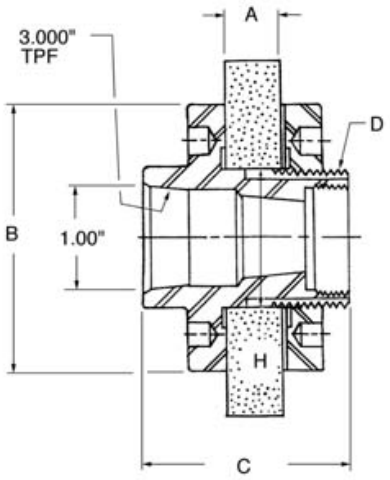
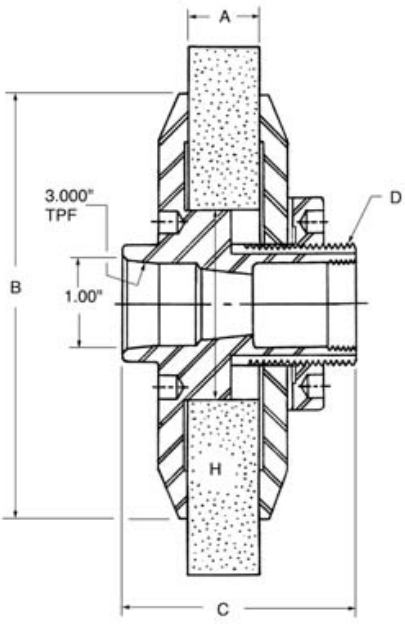


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250
00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250



Electroless nickel plating available on all Sopko adapters at additional cost.

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Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

How did we create the Sopko legacy? Attention to detail and an unremitting commitment to quality that generations of grinding professionals have come to know as the unmatched standard of the industry. Today, customers are still asking for value, performance, and precision.
It's been nearly 50 years; we're still listening.

- HIGH QUALITY INTERNAL TAPERS for precision mounting.
- THREAD GROUND OD THREADS for maximum concentricity and squareness.
- HEAT TREATED COMPONENT PARTS for strength and reliability.
- CONCENTRIC and SQUARE GROUND SURFACES for better workpiece finishes.
- BLACK OXIDE FINISH to protect your investment.



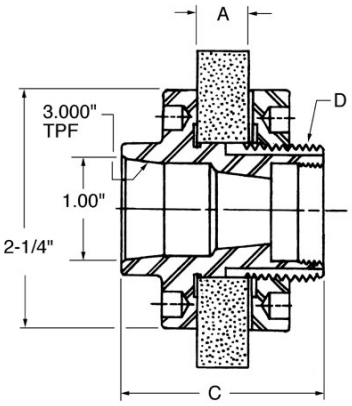


FIG. 1

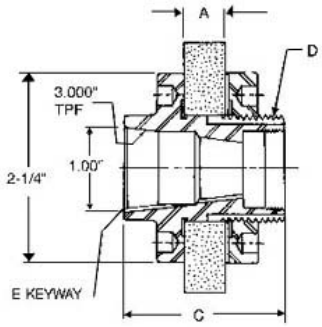


FIG. 2

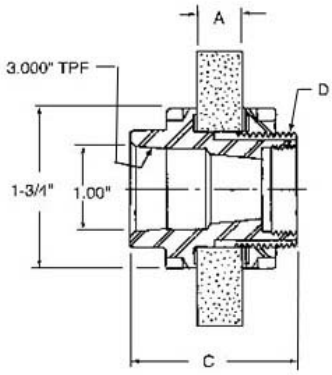


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	E
00100	1	100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00102	1	100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00105	1	100-1C	3/4	1-7/8	1-1/4-16LH	-
00101*	2	AN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	3/16
50183*	2	AN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	3/16
00112	2	KW100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	1/8
00200	1	200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00202	1	200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00208	1	K200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00216	1	K200-2	1/8 to 1/2	1-3/4	1-1/4-16RH	-
00217	1	200-1C	1/2	1-3/4	1-1/4-16LH	-
00201*	2	AN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00225*	2	AN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00226	2	KW200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	1/8
00227	2	KW200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	1/8
00300	1	300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00303*	2	AN-300-1	3/4 to 1	2-1/4	1-1/4-16LH	3/16
00308*	2	AN-300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00302	1	300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00301	1	300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00304	1	300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00305	1	300-1C	1	2-1/4	1-1/4-16LH	-
00306	1	300-2C	1	2-1/4	1-1/4-16RH	-
00307	1	R300-2B	1/2 to 1-1/2	2-11/16	1-1/4-16RH	-
50319	2	KW300-1	3/4 to 1	2-1/4	1-1/4-16LH	1/8
00686	2	KW300-2	3/4 to 1	2-1/4	1-1/4-16RH	1/8
00207	3	X200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00245	3	X200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

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RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

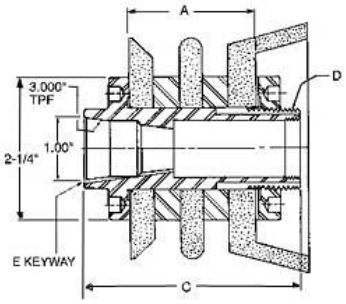
CAUTION!
Always Wear Safety Goggles When Griding.

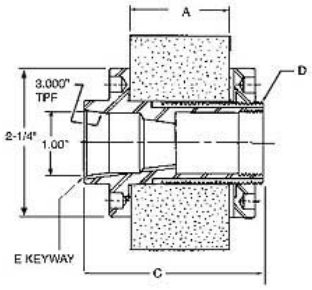
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko is more than quality products; it's quality service too. You can be sure of quick personalized service every time you call. We know you don't have a lot of time to waste listening to phone recordings. You'll be talking to real people with answers to your grinding accessory needs.

- SAME DAY shipment of standard product.
- FRIENDLY and KNOWLEDGEABLE people with INFORMATION you need.
- The LARGEST STOCK of precision grinding accessories in America.
- The source for SPECIAL GRINDING ACCESSORIES made to your specifications.







SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	E
00400	400-1A	2	3-3/16	1-1/4-16LH	-
00402	400-2A	2	3-3/16	1-1/4-16RH	-
00401	400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00403	400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00406	400-1C	1-3/4 to 2	3-3/16	1-1/4-16LH	-
00415	400-2C	1-3/4 to 2	3-3/16	1-1/4-16RH	-
00327*	AN400-1B	1 to 2	3-3/16	1-1/4-16LH	3/16
00413	-	2-1/2 to 2-3/4	3-13/16	1-1/4-16LH	-
00414	-	2-1/2 to 2-5/8	3-3/4	1-1/4-16LH	-
00500	500-1A	3	4-3/16	1-1/4-16LH	-
00502	500-2A	3	4-3/16	1-1/4-16RH	-
00501	500-1B	2 to 3	4-3/16	1-1/4-16LH	-
00503	500-2B	2 to 3	4-3/16	1-1/4-16RH	-
00506	500-1C	1-1/2 to 3	4-3/16	1-1/4-16LH	-
00600	600-1A	4	5-3/16	1-1/4-16LH	-
00602	600-2A	4	5-3/16	1-1/4-16RH	-
00601	600-1B	3 to 4	5-3/16	1-1/4-16LH	-
00604	600-2B	3 to 4	5-3/16	1-1/4-16RH	-
00605	600-1C	3-5/8 to 4	5-3/16	1-1/4-16LH	-
00701	700-1B	4-1/2	5-11/16	1-1/4-16LH	-
00702	700-1C	5	6-3/16	1-1/4-16LH	-
00800	800-1A	6	7-3/16	1-1/4-16LH	-
00801	800-1B	5 to 6	7-3/16	1-1/4-16LH	-
00900	900-1A	7	8-3/16	1-1/4-16LH	-
00999	1000-1A	8	9-3/16	1-1/4-16LH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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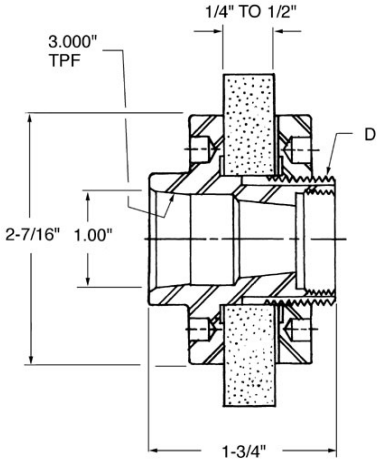
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

00220 (220-1) is the standard replacement adapter for Bridgeport-Harig and Parker PM Majestic grinding machines using 7" diameter wheels.



00220

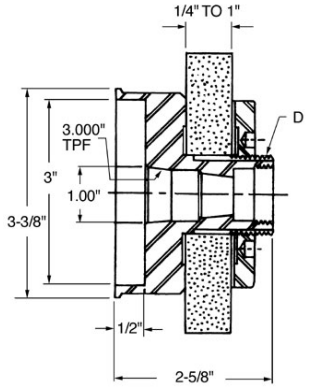


SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00220	220-1	1-1/4-16LH
00221	220-2	1-1/4-16RH

Providing optimum protection against contamination to the wheelhead spindle nose, these high-quality SHROUDED ADAPTERS are designed for performance. Sopko assures this standard with quality features like PRECISION GROUND TAPERS and CONCENTRICALLY GROUND AND SQUARE surfaces to maximize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these adapters because Sopko HEAT TREATS every one.



(Front Side) 00180 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00180	2BY-LH	1-1/4-16LH
00181	2BY-RH	1-1/4-16RH

See page 60 for Pope style shrouded adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250", 1.500", AND 2.000" ID WHEELS.

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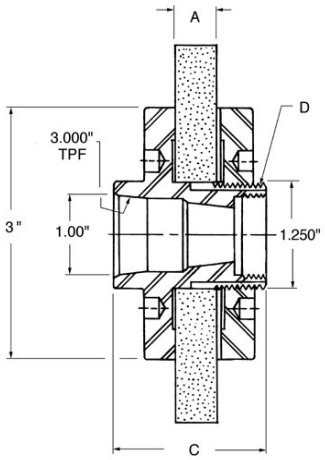


00130



00430

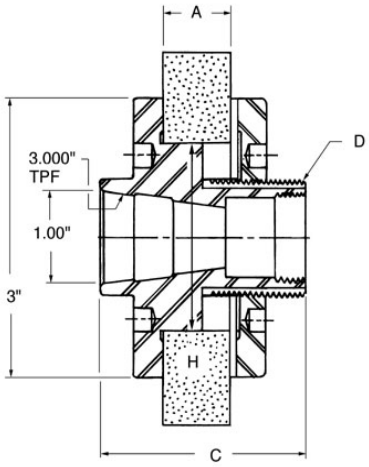
SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D
00130	130-1	3/4	1-15/16	1-1/4-16LH
00132	130-2	3/4	1-15/16	1-1/4-16RH
00230	230-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00232	230-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00330	330-1	3/4 to 1	2-1/4	1-1/4-16LH
00332	330-2	3/4 to 1	2-1/4	1-1/4-16RH
00331	330-1S	3/8 to 1	2-1/4	1-1/4-16LH
00386	330-2S	3/8 to 1	2-1/4	1-1/4-16RH
00430	430-1A	2	3-1/4	1-1/4-16LH
00432	430-2A	2	3-1/4	1-1/4-16RH
00431	430-1B	1 to 2	3-1/4	1-1/4-16LH
00433	430-2B	1 to 2	3-1/4	1-1/4-16RH
00434	430-1D	2-1/4 to 2-1/2	3-3/4	1-1/4-16LH
00435	430-1E	1-1/2 to 2	3-1/4	1-1/4-16LH





00334

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	H
00333	330-1-1.500	1/2 to 1	2-1/4	1-1/4-16LH	1.500
00334	330-1-2.000	1/2 to 1	2-1/4	1-1/4-16LH	2.000



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Play it safe with larger diameter wheels by using Sopko 3-1/2" OD wheel adapters. Manufactured with the same attention to detail, these Sopko adapters feature a high quality internal ground taper, thread ground OD threads, concentric and square ground surfaces, heat treated hub and nut with black oxide finish. Only Sopko offers all these valuable features.

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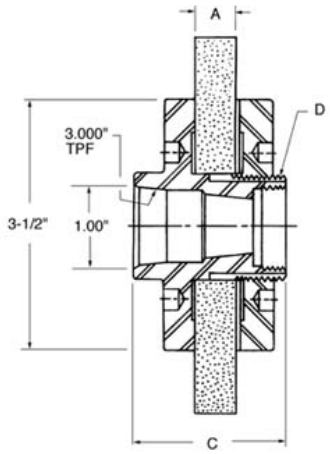


00235



00337

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
00135	135-1	3/4	1-15/16	1-1/4-16LH
00235	235-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00236	235-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00335	335-1	3/4 to 1	2-1/4	1-1/4-16LH
00336	335-2	3/4 to 1	2-1/4	1-1/4-16RH
00337	335-1B	1-1/2	2-3/4	1-1/4-16LH
00618	335-2A	1/2 to 1	2-1/4	1-1/4-16RH



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

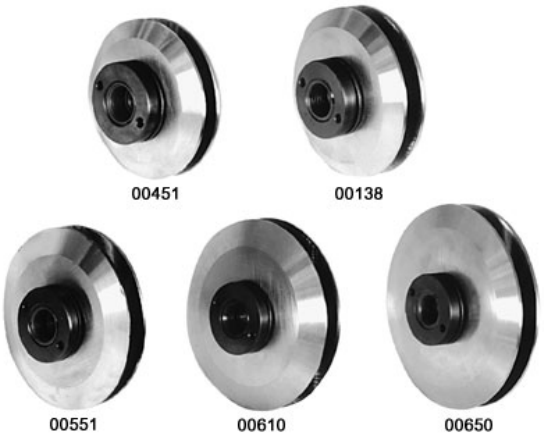
CAUTION!
Always Wear Safety Goggles When Griding.

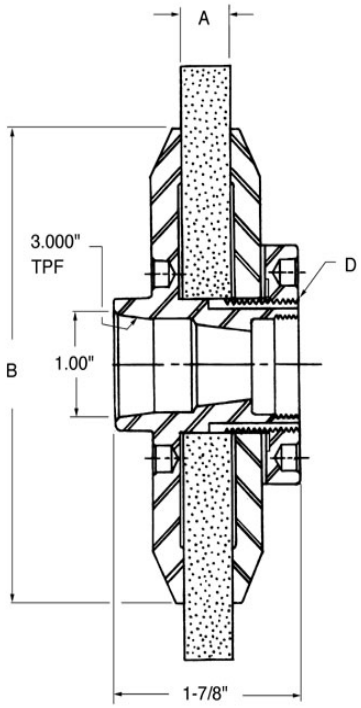
Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. DESIGNED FOR THIN CUT-OFF WHEELS AND DIAMOND WHEELS.

Sopko flanged adapters are machined from alloy steel. The resulting one piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design, and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00451	4.5-1	0 to 1/2	4-1/2	1-1/4-16LH
00452	4.5-2	0 to 1/2	4-1/2	1-1/4-16RH
00138	5.0-1	0 to 1/2	5	1-1/4-16LH
00139	5.0-2	0 to 1/2	5	1-1/4-16RH
00551	5.5-1	0 to 1/2	5-1/2	1-1/4-16LH
00552	5.5-2	0 to 1/2	5-1/2	1-1/4-16RH
00610	6.0-1	0 to 1/2	6	1-1/4-16LH
00612	6.0-2	0 to 1/2	6	1-1/4-16RH
00650	6.5-1	0 to 1/2	6-1/2	1-1/4-16LH
00652	6.5-2	0 to 1/2	6-1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

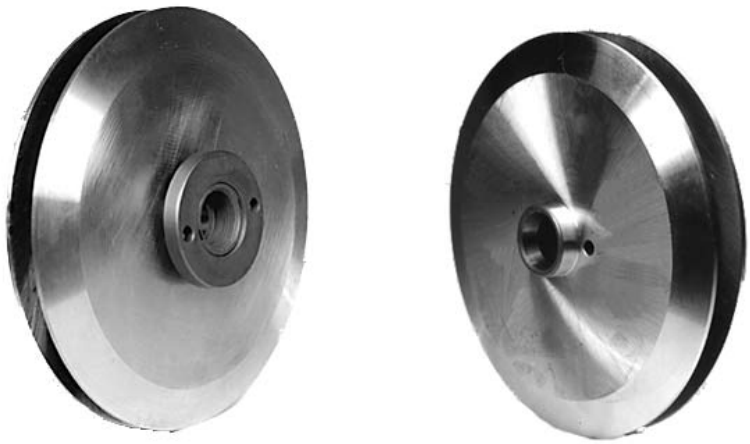
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

All the quality features you expect from Sopko are built into these larger diameter flanged wheel adapters too...

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.



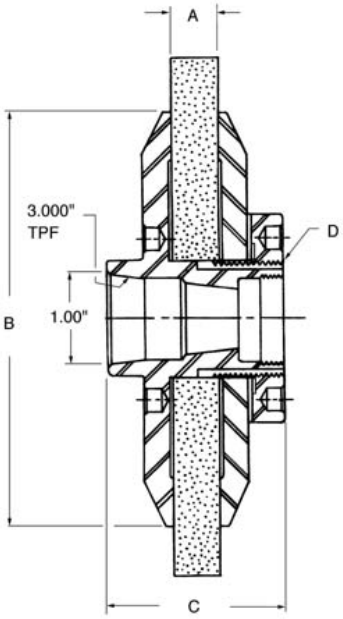
00710

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(Front Side) (Taper Side)

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00710 00712	7.0-1 7.0-2	0 to 1/2 0 to 1/2	7 7	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00750 00752	7.5-1 7.5-2	0 to 1/2 0 to 1/2	7-1/2 7-1/2	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00810 00812	8.0-1 8.0-2	0 to 1/2 0 to 1/2	8 8	2 2	1-1/4-16LH 1-1/4-16RH

See page 74 for available flanges.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.* FOR 2.000" AND 3.000" ID WHEELS.

Now you can extend the useful working life of 2.000" and 3.000" ID grinding wheels. There is no need to waste money by throwing worn wheels away. Extend wheel life, use Sopko 4-1/2" flanged diameter wheel adapters! Machined from forged alloy steel, the one-piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

All the quality features you expect from Sopko are built into these flanged wheel adapters for 2.000" ID and 3.000" ID grinding wheels.

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.
- Not for larger surface grinders (taper is 1.00" at LE).

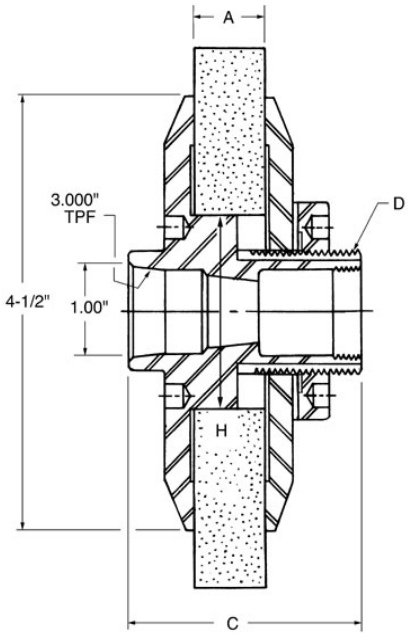
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00453



00455



SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D	H
00453	4.5-1-2	3/8 to 3/4	2-1/8	1-1/4-16LH	2.00
00454	4.5-2-2	3/8 to 3/4	2-1/8	1-1/4-16RH	2.00
00455	4.5-1-3	3/8 to 1	2-3/8	1-1/4-16LH	3.00
00456	4.5-2-3	3/8 to 1	2-3/8	1-1/4-16RH	3.00

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Balancing Wheel Adapters for Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

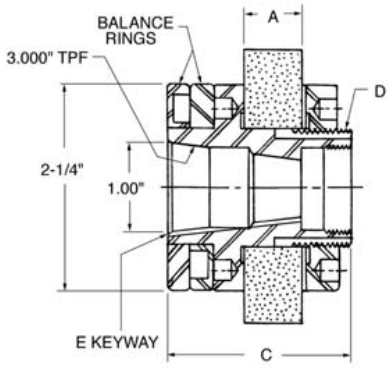
Sopko balancing rings have milled pockets with 180° arc-length. One end of the arc is permanently stamped with a reference line and arrow to designate direction of rotation. Unlike some balancing rings, Sopko “sandwiches” the milled pockets together inside the mated faces. Grinding grit can’t build up! Rings are lapped flat and ground for a precision fit. A nylon-tipped set screw secures each ring to the adapter hub. All balancing adapters furnished with a 3/32" hex wrench 00938.



00565



00106



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	E
00106	B100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00107	B100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00260	B200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00262	B200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00310	B300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00311	B300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00313	B300-1C	1	2-1/4	1-1/4-16LH	-
00312	B300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
50331**	ANB300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00338	B300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00404	B400-1A	2	3-3/16	1-1/4-16LH	-
00405	B400-2A	2	3-3/16	1-1/4-16RH	-
00410	B400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00412	B400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00504	B500-1A	3	4-3/16	1-1/4-16LH	-
00565	B500-1B	2 to 3	4-3/16	1-1/4-16LH	-

Use Sopko Balancing Adapters to:

- Increase productivity.
- Reduce downtime and maintenance.

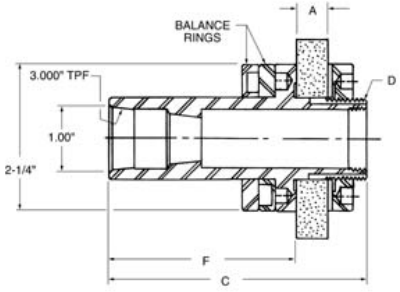
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00505	B500-2A	3	4-3/16	1-1/4-16RH	-
50305	B600-1B	3 to 4	5-3/16	1-1/4-16LH	-
50393	B1000-1A	8	9-3/16	1-1/4-16LH	-

- Produce low micro-finishes.
- Reduce wheel wear and truing frequency.
- Reduce costly spindle failures.

**Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.





00228

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	F
00228	B200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00229	B200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00244	B200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00219	B200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16

*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

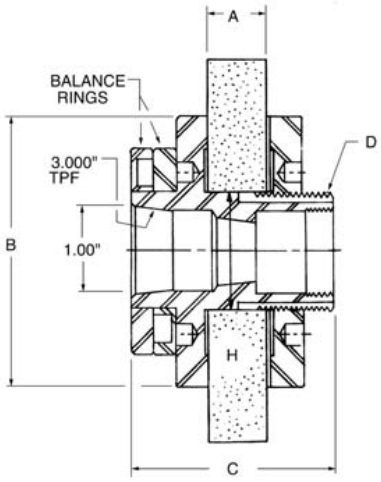
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.





00460

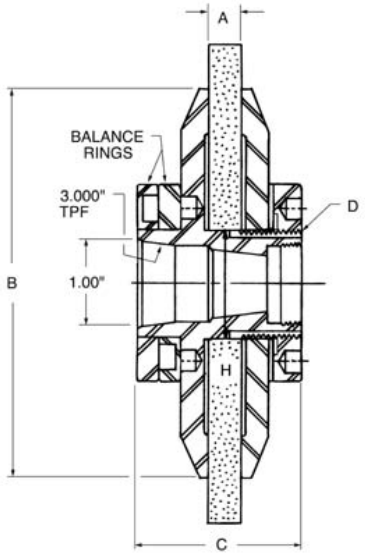
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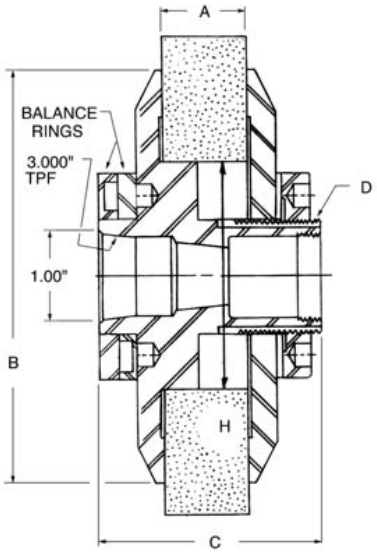
00248
(Front Side)



00251
(Taper Side)



SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000



*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Long Extended Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko LONG EXTENDED ADAPTERS are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinder applications where the operator must reach across a boss or other obstruction in order to grind. The adapters have also found wide application on cutter grinders and tap grinders.

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00203



00252

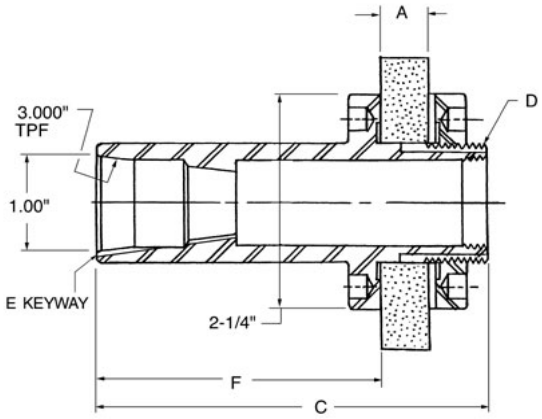


FIG. 1

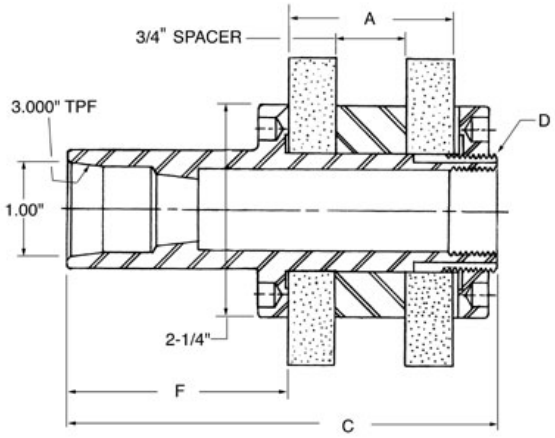


FIG. 2

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	C	D	E	F
00901	1	200-1LH-1/4	1/4 to 5/8	2	1-1/4-16LH	-	15/16
00203	1	200-1LH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	-	2-5/16
00204	1	200-2RH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	-	2-5/16
50315	1	200-1LH1-5/8KW	1/4 to 1/2	3-3/8	1-1/4-16LH	1/8	2-5/16
05256	1	200-1E-1-5/8	2-1/4	5-1/16	1-1/4-16LH	-	2-5/16
00252*	2	S200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00254	1	200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00214	1	200-1LH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	-	3-7/16
00215	1	200-2RH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	-	3-7/16

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Cup Wheel Extended Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Sopko cup wheel adapters are made with a THIN WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive wheel lock. A hardened and ground nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN UP during spindle rotation.

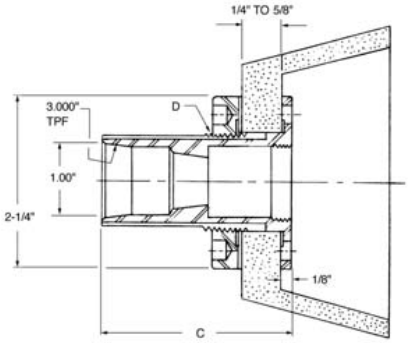




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	00263	00265	
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		C	D
00263	200-1CW	2-1/2	1-1/4-16LH
00264	200-2CW	2-1/2	1-1/4-16RH
00265	-	3-1/2	1-1/4-16LH
00266	-	3-1/2	1-1/4-16RH

*Grinding wheel not included.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Short I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All SHORT IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 1-1/4" wrench flat on the body makes installation and removal easy.

CHECK THESE FEATURES!

- ALL DIAMETERS GROUND for concentricity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- ALL COMPONENT PARTS HEAT TREATED for strength and long life.
- THREAD GROUND EXTERNAL THREADS for maximum concentricity and squareness.
- SPECIALS can be made to your requirements. Please specify wheel OD, width, and ID.


00759


00765

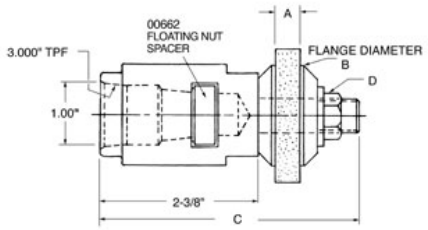

00769


00773


00775

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00759	200-3/8LH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16LH HEX
00760	200-3/8RH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16RH HEX
00761		1/2 to 3/4	2	3-7/8	3/8-16LH HEX
00762		1/2 to 3/4	2	3-7/8	3/8-16RH HEX
00763	200-1/2LH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13LH HEX
00764	200-1/2RH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13RH HEX
00765		3/8 to 5/8	2	3-7/8	1/2-13LH HEX
00766		3/8 to 5/8	2	3-7/8	1/2-13RH HEX
00769		1/2	2	3-7/8	5/8-18LH HEX
00770		1/2	2	3-7/8	5/8-18RH HEX
00773		1/2	2	4	3/4-16LH HEX
00774		1/2	2	4	3/4-16RH HEX
00775	200-1LH-S	1/2	2-1/2	4	1-20LH ROUND

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00776	200-1RH-S	1/2	2-1/2	4	1-20RH ROUND

Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16" wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

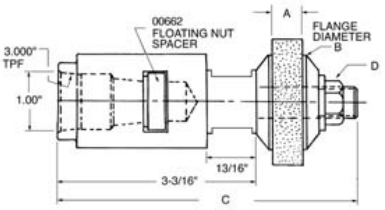


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16" wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

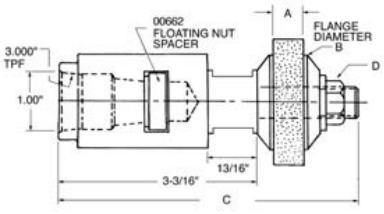


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Collet Chuck Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

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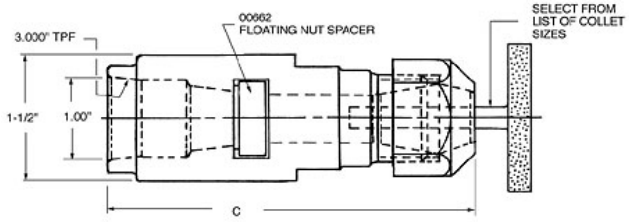
Widely used on surface grinders, the set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

THERE IS A DIFFERENCE WITH SOPKO!

- Collet Chuck Quills are ground all over for true CONCENTRICITY and BALANCE.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- Made from AMERICAN SUPERIOR QUALITY alloy steel and heat treated for optimum performance.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose angle to assure PROPER ENGAGEMENT of the grinding wheel shank.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C
00246	200-CCEA-S	2-15/16
00249	200-CCEA-L	4-15/16



6000 SERIES COLLETS** RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	**COLLET CAPACITY**
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

**Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Male Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

SHORT MALE EXTENSIONS provide increased utility because grinding wheels already mounted do not need to be dismounted. This feature is especially useful when grinding with diamond wheels. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut. A 1-1/8” wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

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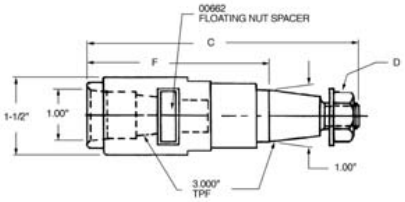


00237

LONG MALE EXTENSIONS are designed for even greater clearance possibilities with their added reach. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut.



00257



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F
00237	200-3-1/2LH	5-1/4	1/2-13LH	HEX 3-1/2
00238	200-3-1/2RH	5-1/4	1/2-13RH	HEX 3-1/2
00257	200-5LH	6-5/8	1/2-13LH	HEX 4-7/8
00258	200-5RH	6-5/8	1/2-13RH	HEX 4-7/8

* See page 76 for available hex spindle nut sizes.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Reversible Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way without redressing.

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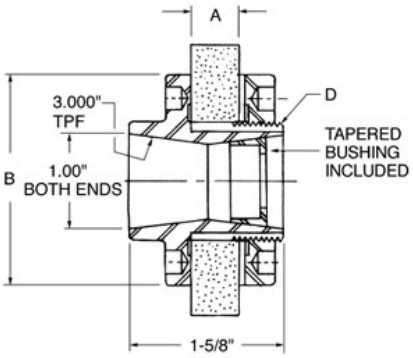
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for
  BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper and are securely locked against loosening by the wheel rotation.
- Manufactured from quality steel to withstand the rigors of daily use, then HARDENED and GROUND.

For use on all spindles having a 3.000" TPF with 1.00" diameter at large end of taper. Including: Boyar-Schultz, Bridgeport, Brown & Sharpe, DoAll, Excello, Foote Burt-Hammond, Harig, Norton, Parker Majestic, Pope, Reid, Sanford, Setco, Taft Pierce, and Whitnon.



00222

A precision ground double-taper and removable bushing make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. LH thread is standard.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00222	222RWA	1/4 to 1/2	2-1/4	1-1/4-16LH
00255	222RWA-R	1/4 to 1/2	2-1/4	1-1/4-16RH
00256	4.5-2RWA	0 to 1/2	4-1/2	1-1/4-16RH
00022	22-W	Replacement tapered bushing.		

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters For Metric Bore Wheels.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 32MM (1.217") ID WHEELS.



00174



00176

For 32MM Metric Bore Wheels

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00170



00172

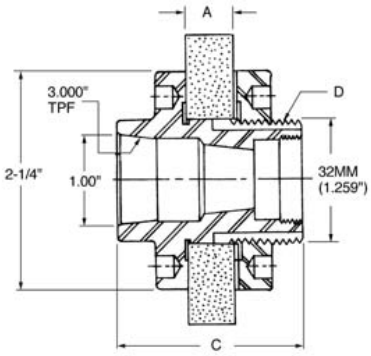


FIG. 1
For 32MM Metric Bore Wheels

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00170	1	1-100-1	1/2 to 3/4	1-7/8	1-1/4-16LH
00171	1	1-100-2	1/2 to 3/4	1-7/8	1-1/4-16RH
00172	1	2-200-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00173	1	2-200-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00174	1	3-300-1	3/4 to 1	2-1/4	1-1/4-16LH
00175	1	3-300-2	3/4 to 1	2-1/4	1-1/4-16RH
00176	2	2-230-1	1/4 to 1/2	1-3/4	1-1/4-16LH

*Other metric sizes quoted on request.

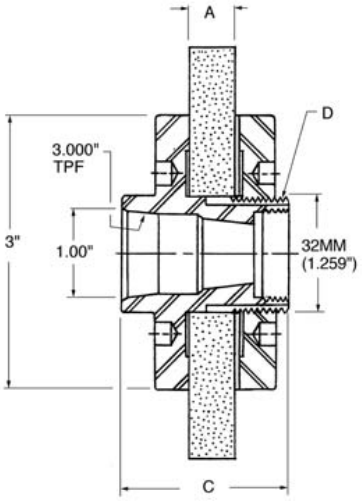


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

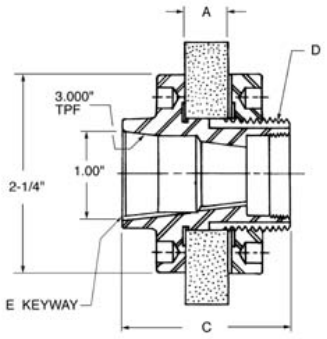
- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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00345 00348 00366

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSION A	C	D	E
00345	EN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00346	EN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00347	EN100-1C	3/4	1-7/8	1-1/4-16LH	-
00348	EN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00349	EN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00350*	ENA200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00351*	ENA200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00352**	ENK200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00353**	A2031-1	1/8 to 5/8	1-3/4	1-1/4-16LH	-
00355	EN200-1C	1/2	1-3/4	1-1/4-16LH	-
00364	EN300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00365	EN300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00368	EN300-1C	1	2-1/4	1-1/4-16LH	-
00369	EN300-2C	1	2-1/4	1-1/4-16RH	-
00356	A2031-2	3/8 to 1	2-1/4	1-1/4-16LH	-
00366	EN300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00367	EN300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00370	A2031-5	3/8 to 1-1/2	2-11/16	1-1/4-16LH	-



Electroless nickel plating available on all Sopko adapters at additional cost.
*Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.
** Keyway to face.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.
Sopko

Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.

- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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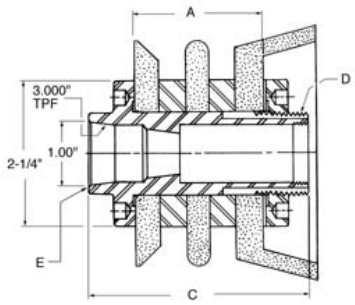


FIG. 1

00373 **00377**

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00371	1	EN400-1A	2	3-3/16	1-1/4-16LH
00372	1	EN400-2A	2	3-3/16	1-1/4-16RH
00373	1	EN400-1B	1 to 2	3-3/16	1-1/4-16LH
00374	1	EN400-2B	1 to 2	3-3/16	1-1/4-16RH
00376	1	EN500-1A	3	4-3/16	1-1/4-16LH
00377	1	EN500-1B	2 to 3	4-3/16	1-1/4-16LH
00378	1	A2031-4	1-3/4 to 3	4-3/16	1-1/4-16LH
00379	1	EN600-1A	4	5-3/16	1-1/4-16LH
00357	2	EN200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH

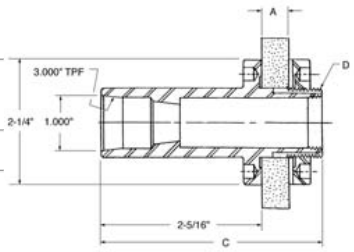


FIG. 2

Electroless nickel plating available on all Sopko adapters at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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01112



00651



00358



00360

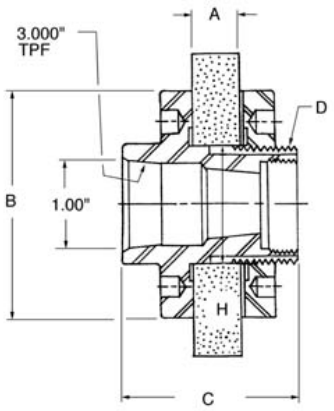


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250
00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250

Electroless nickel plating available on all Sopko adapters at additional cost.
*Balancing style adapter.

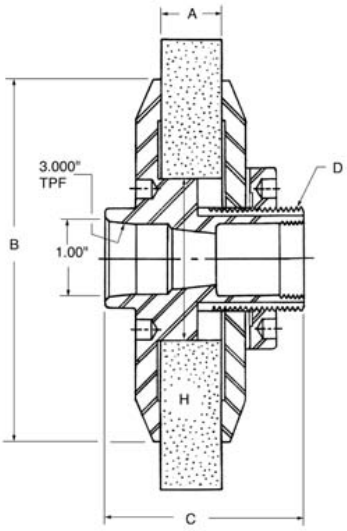


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Stainless Steel Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Made from 300 series stainless steel, and designed for applications that require the ultimate in corrosion resistance, these adapters are used widely in medical applications. They are anti-magnetic, which makes them ideal for cutting slots or grooves in magnetic materials. Hub, washer, and nut are all made from 300 series stainless steel.

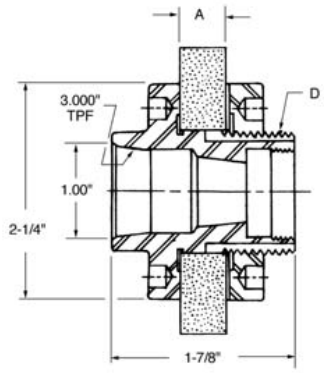
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00259



00267



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00259	SS100-1	3/8 to 3/4	1-1/4-16LH
00261	SS100-2	3/8 to 3/4	1-1/4-16RH
00211	S100/200-1	1/2 to 3/4	1-1/4-16LH
00267	SS100/200-2	1/2 to 3/4	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

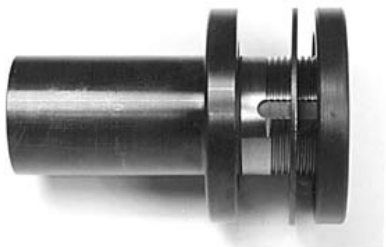
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32" Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



00719



00716

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00721

Note: 3/32" Keyway in small end of taper only

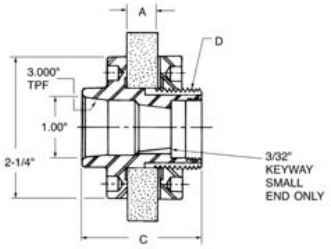


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	F
00716	1	U200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00717**	1	BU200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00718	1	U200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00719	2	U200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00720	2	U200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00721	2	U200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00423	2	U200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16
00722	1	U300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00709	1	U300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00723	1	U300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00193**	1	BU300-1	3/4 to 1	2-1/4	1-1/4-16LH	-

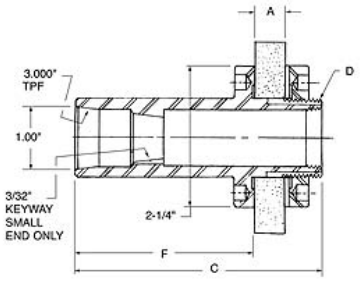


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

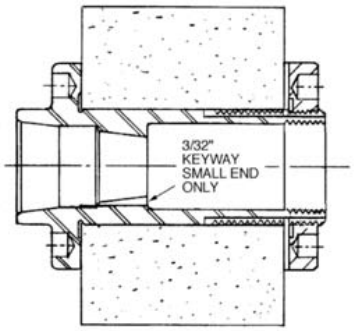
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32" Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



Note: 3/32" Keyway in small end of taper only



00725

SOPKO	SOPKO	DIMENSIONS

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CATALOG NO.	FIG.	PART NO.	A	C	D
00724	1	U400-1A	2	3-3/16	1-1/4-16LH
00725	1	U400-1B	1 to 2	3-3/16	1-1/4-16LH
00726	1	U400-2A	2	3-3/16	1-1/4-16RH
00727**	1	BU400-1B	1 to 2	3-3/16	1-1/4-16LH
00728	1	U500-1A	3	4-3/16	1-1/4-16LH
50320	1	U500-2A	3	4-3/16	1-1/4-16RH
00729	1	U500-1B	2 to 3	4-3/16	1-1/4-16LH
00730	1	U600-1A	4	5-3/16	1-1/4-16LH
00606	1	U600-1B	3 to 4	5-3/16	1-1/4-16LH
00732	2	U330-1	3/4 to 1	2-1/4	1-1/4-16LH
00733	2	U430-1A	2	3-1/4	1-1/4-16LH
00734	2	U430-1B	1 to 2	3-1/4	1-1/4-16LH

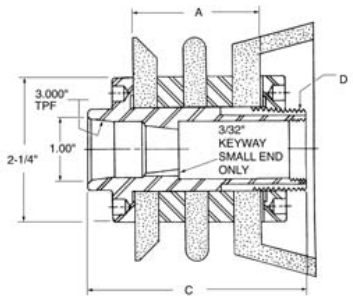


FIG. 1

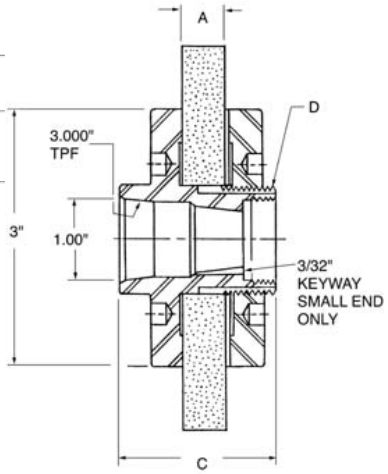


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.



00739

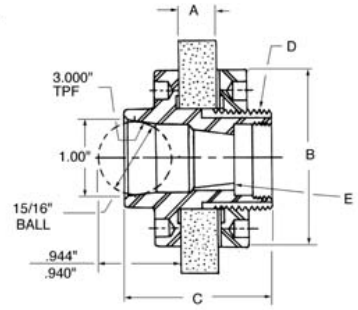


FIG. 1

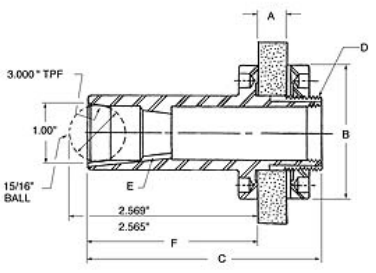


FIG. 2

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00738



00737

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

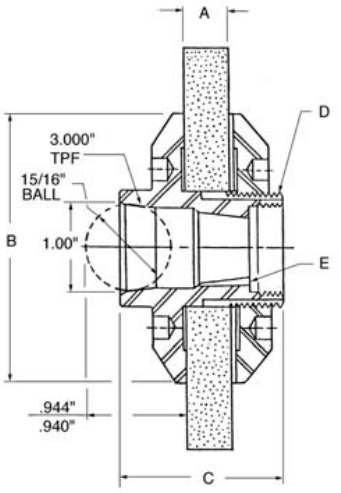


FIG. 3

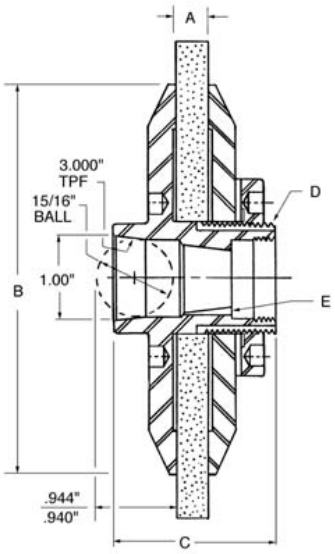


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Wheel Adapters
With Glare Gear Assembly.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The UNIQUE GRINDING WHEEL LOCKING SYSTEM that eliminates damage to grinding wheels and spindle bearings caused by hammering. Also provides best possible mounting concentricity when tightening diamond, CBN, or vitrified wheels.

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01231**



01235

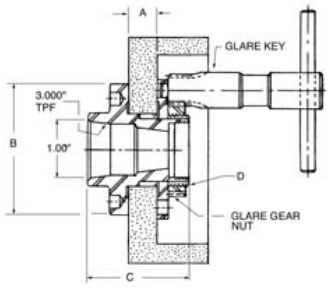


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS					
			A	B	C	D	E	F
01231	1	GG100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-	-
01232	1	GG100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-	-
01233	1	GG200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-	-
01234	1	GG200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-	-
01235	1	GG220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	-	-
01236	1	GG300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-	-
01237	1	GG300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	-	-
00159	1	GG300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	-	-
00127	1	GG400-1A	2	2-1/4	3-3/16	1-1/4-16LH	-	-
00566	1	GG400-2A	2	2-1/4	3-3/16	1-1/4-16RH	-	-
00189	1	GG400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	-	-
00417	1	GG500-1A	3	2-1/4	4-3/16	1-1/4-16LH	-	-
00462	1	GG500-2A	3	2-1/4	4-3/16	1-1/4-16RH	-	-
00704	1	GG500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	-	-
01282	3	GG200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-	2-5/16
00687	3	GG200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	-	3-7/16
00740*	2	GGU100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	3/32	-
00741*	2	GGU100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	3/32	-
00742*	2	GGU200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32	-
00743*	2	GGU200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	3/32	-
00744*	2	GGU300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	3/32	-
00745*	2	GGU300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	3/32	-
00746*	2	GGU300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	3/32	-
00747*	2	GGU400-1A	2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00748*	2	GGU400-2A	2	2-1/4	3-3/16	1-1/4-16RH	3/32	-
00194*	2	GGU400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00324*	2	GGU500-1A	3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00548*	2	GGU500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00320*	3	GGU200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/32	2-5/16
00595*	3	GGU200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3/32	3-7/16
50329*	3	GGU200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	3/32	2-5/16

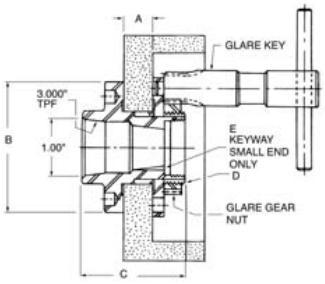


FIG. 2

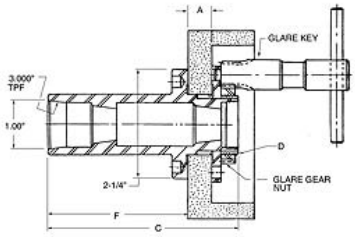


FIG. 3

See page 73 for complete selection of Glare Gear components.
Glare Gear Assemblies can be furnished with all 1-1/4" ID adapters.
List above is stocked product only.
*For grinding machines manufactured by Unison Corp., Ferndale, MI.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Pin Slot Wheel Adapters for Reversing Spindles.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.

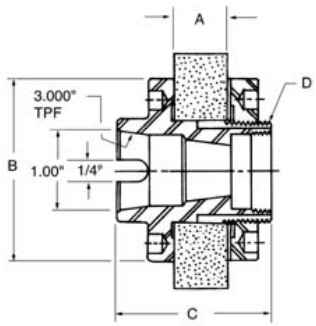


FIG. 1

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00094



00275



00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F
00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-
00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

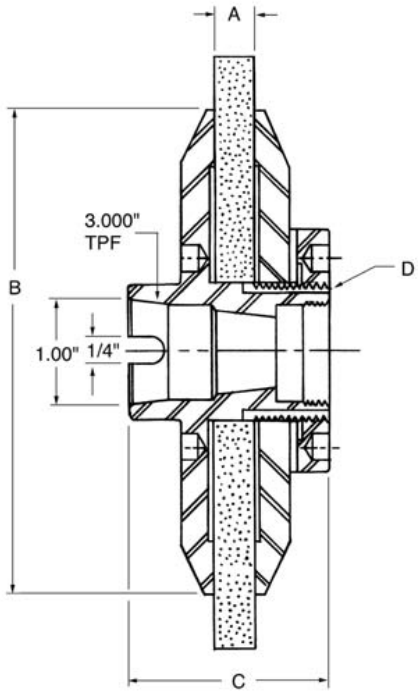


FIG. 2

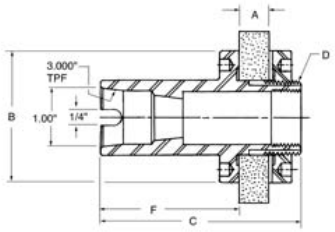


FIG. 3

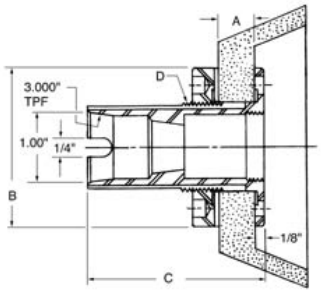


FIG. 4

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Standard Taper Balancing Wheel Adapters for Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

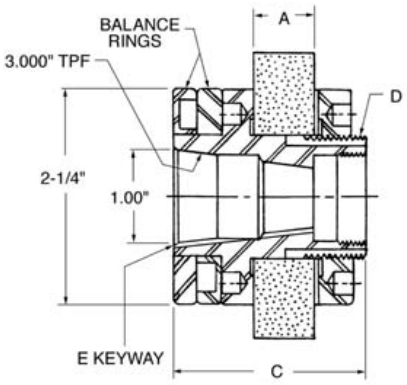
Sopko balancing rings have milled pockets with 180° arc-length. One end of the arc is permanently stamped with a reference line and arrow to designate direction of rotation. Unlike some balancing rings, Sopko “sandwiches” the milled pockets together inside the mated faces. Grinding grit can’t build up! Rings are lapped flat and ground for a precision fit. A nylon-tipped set screw secures each ring to the adapter hub. All balancing adapters furnished with a 3/32" hex wrench 00938.



00565



00106



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	E
00106	B100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00107	B100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00260	B200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00262	B200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00310	B300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00311	B300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00313	B300-1C	1	2-1/4	1-1/4-16LH	-
00312	B300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
50331**	ANB300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00338	B300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00404	B400-1A	2	3-3/16	1-1/4-16LH	-
00405	B400-2A	2	3-3/16	1-1/4-16RH	-
00410	B400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00412	B400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00504	B500-1A	3	4-3/16	1-1/4-16LH	-
00565	B500-1B	2 to 3	4-3/16	1-1/4-16LH	-
00505	B500-2A	3	4-3/16	1-1/4-16RH	-
50305	B600-1B	3 to 4	5-3/16	1-1/4-16LH	-
50393	B1000-1A	8	9-3/16	1-1/4-16LH	-

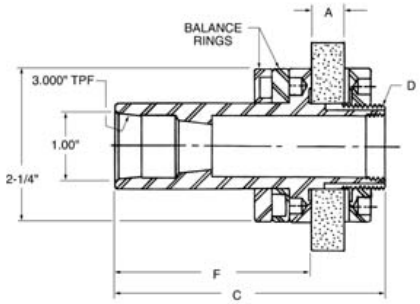
**Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

Use Sopko Balancing Adapters to:

- Increase productivity.
- Reduce downtime and maintenance.
- Produce low micro-finishes.
- Reduce wheel wear and truing frequency.
- Reduce costly spindle failures.



00228



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	F
00228	B200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00229	B200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00244	B200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00219	B200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16

*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Standard Taper Long Extended Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko LONG EXTENDED ADAPTERS are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinder applications where the operator must reach across a boss or other obstruction in order to grind. The adapters have also found wide application on cutter grinders and tap grinders.



00203



00252

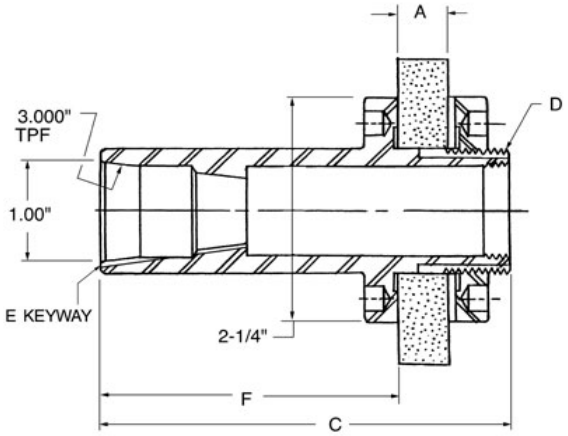


FIG. 1

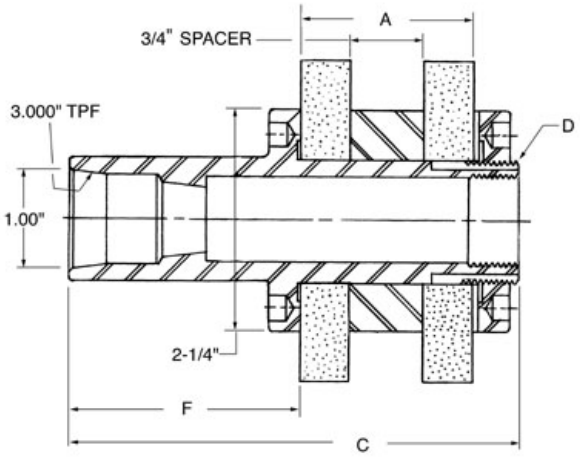


FIG. 2

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	C	D	E	F
00901	1	200-1LH-1/4	1/4 to 5/8	2	1-1/4-16LH	-	15/16
00203	1	200-1LH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	-	2-5/16
00204	1	200-2RH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	-	2-5/16
50315	1	200-1LH1-5/8KW	1/4 to 1/2	3-3/8	1-1/4-16LH	1/8	2-5/16
05256	1	200-1E-1-5/8	2-1/4	5-1/16	1-1/4-16LH	-	2-5/16
00252*	2	S200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00254	1	200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00214	1	200-1LH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	-	3-7/16
00215	1	200-2RH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	-	3-7/16

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.
Sopko

Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.



00373



00377

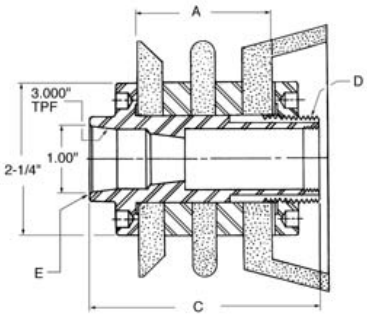


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00371	1	EN400-1A	2	3-3/16	1-1/4-16LH
00372	1	EN400-2A	2	3-3/16	1-1/4-16RH
00373	1	EN400-1B	1 to 2	3-3/16	1-1/4-16LH
00374	1	EN400-2B	1 to 2	3-3/16	1-1/4-16RH
00376	1	EN500-1A	3	4-3/16	1-1/4-16LH
00377	1	EN500-1B	2 to 3	4-3/16	1-1/4-16LH
00378	1	A2031-4	1-3/4 to 3	4-3/16	1-1/4-16LH
00379	1	EN600-1A	4	5-3/16	1-1/4-16LH
00357	2	EN200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH

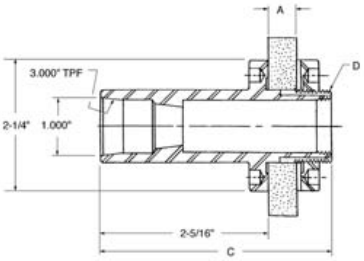


FIG. 2

Electroless nickel plating available on all Sopko adapters at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Wheel Adapters
With 3/32" Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



00719



00716

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00721

Note: 3/32" Keyway in small end of taper only

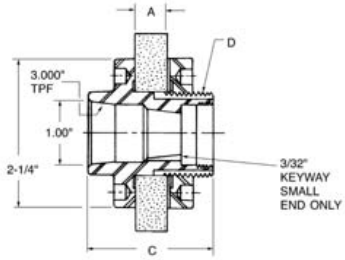


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	F
00716	1	U200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00717**	1	BU200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00718	1	U200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00719	2	U200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00720	2	U200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00721	2	U200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00423	2	U200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16
00722	1	U300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00709	1	U300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00723	1	U300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00193**	1	BU300-1	3/4 to 1	2-1/4	1-1/4-16LH	-

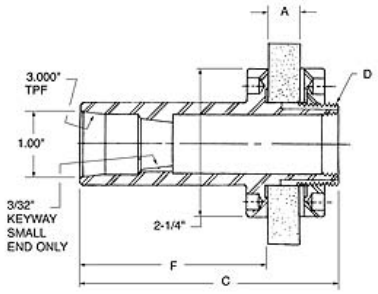


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.

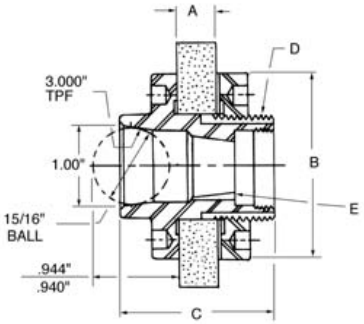


FIG. 1

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00739

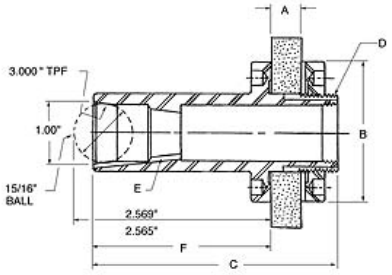


FIG. 2



00738



00737

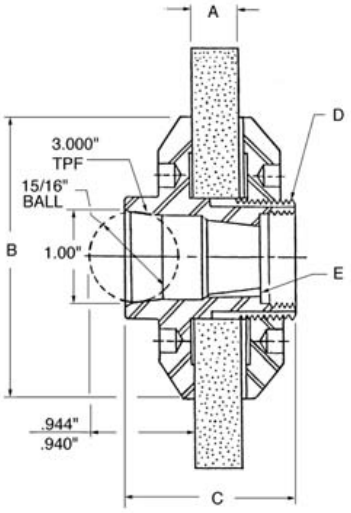


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

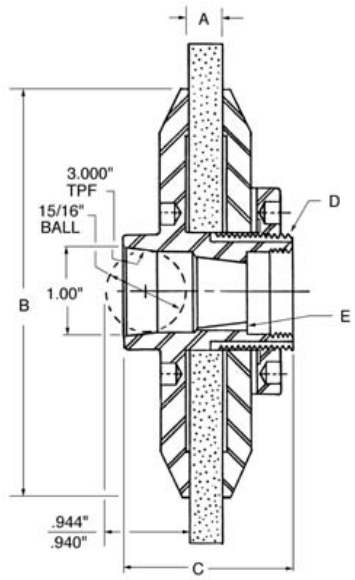


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Pin Slot Wheel Adapters

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

for Reversing Spindles.*
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.



00094



00275



00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F
00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-
00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

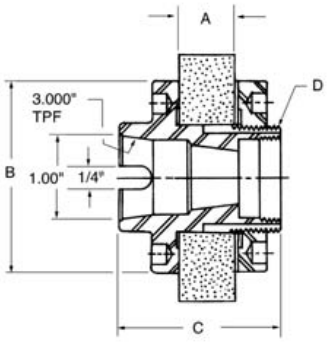


FIG. 1

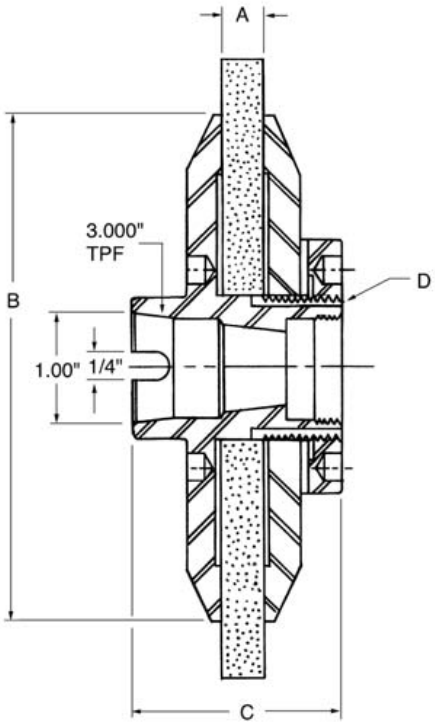


FIG. 2

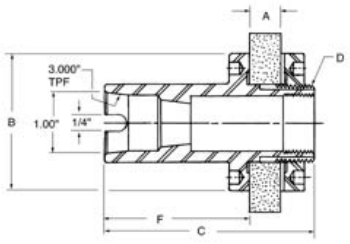


FIG. 3

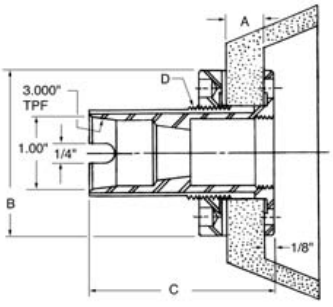


FIG. 4

ROTATION:

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Cincinnati Taper Long Extended Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 OR NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Cincinnati taper long extended adapters are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinding applications where the operator must reach across a boss or other obstruction. The adapters also have application on cutter grinders and tool grinders.

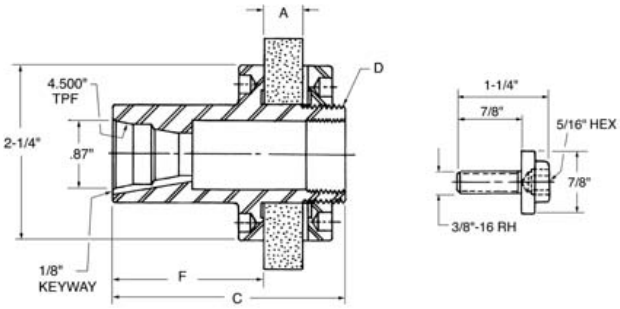


00242



00243

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	F
00240*	CE200-1A	1/4 to 3/4	3	1-1/4-16LH	1-15/16
00242*	CE200-2A	1/4 to 3/4	3	1-1/4-16RH	1-15/16
00241*	CE201-1A	1/4 to 3/4	4-7/16	1-1/4-16LH	3-3/8
00243*	CE201-2A	1/4 to 3/4	4-7/16	1-1/4-16RH	3-3/8



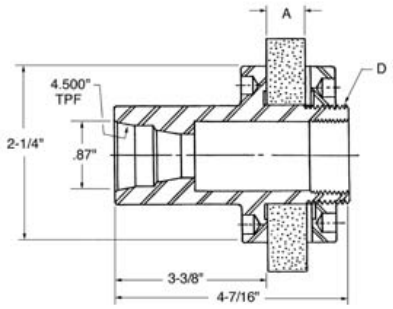
*Includes spindle mounting bolt 14362 only.

For older style Cincinnati flat belt, center drive spindles.



00291

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00291	CE202-1A	1/4 to 3/4	1-1/4-16LH
00292	CE202-2A	1/4 to 3/4	1-1/4-16RH



Standard taper (3.000" TPF) long extended wheel adapters on page 14.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

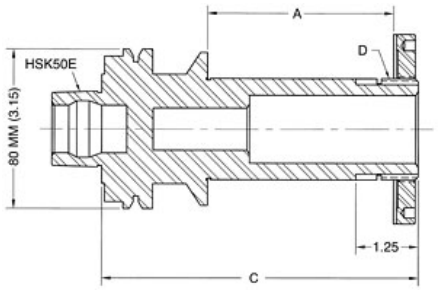
Wheel Adapters for Grinding Machines Manufactured by ANCA, Victoria, Australia.

HSK50EMOD TAPER AND 19º 05' 06" INC ANGLE TAPER WITH .85" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 2.000" ID WHEELS.

Sopko quality Anca FASTGRIND adapters are made for the operator expecting the highest standard of performance required by today's fast set-up times and short production runs. Sopko assures this standard with quality features like PRECISION GROUND TAPERS for reliable spindle mating and CONCENTRICALLY GROUND AND SQUARE surfaces to optimize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions. Every Anca adapter is furnished complete with a spindle mounting bolt, lock washer and recessed washer.



00318



SOPKO CATALOG NO.	ANCA PART NO.	A	C	D	MACHINE
50356	-	2-5/32	4-3/4	1-1/4-16RH	TGX
01137*	-	2-5/32	4-3/4	1-1/4-16RH	TGX
00318	-	3-3/8	6-11/32	2-16RH	TGX

* For cupwheel use.



00623 00624

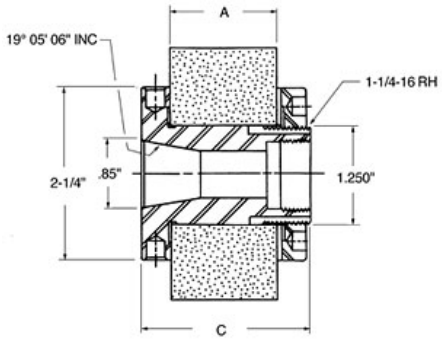


FIG.1

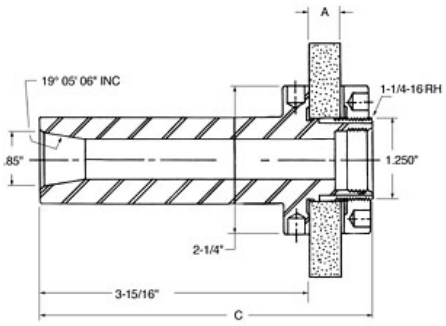


FIG.2

SOPKO CATALOG NO.	FIG.	ANCA PART NO.	DIMENSIONS A	C	MACHINE
00621	1	AT901-0-00-0175	2-1/8 to 2-3/8	3-3/16	TG4
00622	1	AT901-0-00-0175-1	3-5/8	4-3/8	TG4
00623	1	AT901-0-00-0179	1-1/8 to 1-3/8	2-3/16	TG4
00624	1	AT901-0-00-0183	1/4 to 1/2	1-5/16	TG4
00620	2	AT901-0-00-0174	1/2	4-7/8	TG4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Tool & Cutter Grinders Manufactured by Jungner.

2.000" TPF WITH .71" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

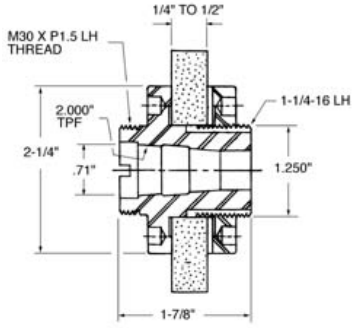
Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Jungner 450 CNC tool and cutter grinder adapter.

SOPKO CATALOG NO.

00690





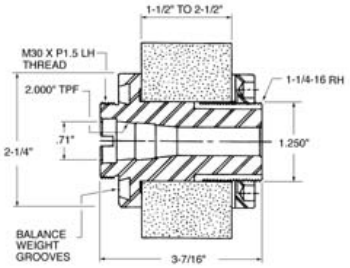
00690
(Taper Side)

Jungner 450 CNC tool and cutter grinder adapter is furnished with a three piece steel balancing weight set 00848.

SOPKO CATALOG NO.

50130





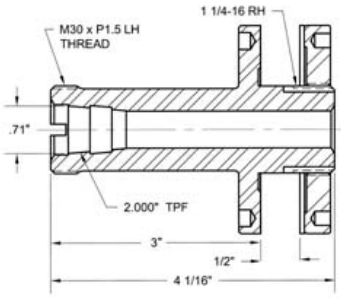
50130

Jungner 450 CNC tool and cutter grinder extended adapter.

SOPKO CATALOG NO.

50353





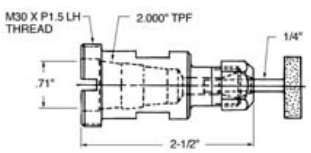
50353

Jungner 450 CNC tool and cutter grinder collet chuck arbor.
Furnished with 4000 series nut and 1/4" collet.*
A 13/16" wrench flat on the body makes installation and removal easy.

SOPKO CATALOG NO.

29911





* See page 97 for addtional 4000 series collets.

29911

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Brown & Sharpe No. 5 Tool and Cutter Grinder Adapters.

3.000" TPF WITH .72" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Designed for the Brown & Sharpe No. 5 Tool and Cutter Grinder, and manufactured with the same dedication to detail that has made Sopko the standard in the industry.

Here's how that benefits you...

- BLACK OXIDE FINISH for long-lasting PERFORMANCE AND VALUE.
- A PRECISION GROUND TAPER for a spindle mount you can TRUST.
- HEAT TREATED HUBS AND NUTS to optimize TOUGHNESS AND STRENGTH.
- CONCENTRIC AND SQUARE GROUND SURFACES that provide SUPERIOR PERFORMANCE and RELIABLE WHEEL LOCK.
- THREAD GROUND OD THREADS, a Sopko innovation in adapter design, makes REPEATABLE WHEEL LOCK possible.

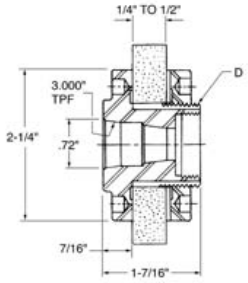


(Front Side) **00817**



(Taper Side)

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
00817	25-3171-1	1-1/4-16LH
00818	25-3171-2	1-1/4-16RH



The LONG EXTENDED Brown & Sharpe No. 5 Tool and Cutter Grinder adapters are made with the same quality features but the extended design provides additional clearance, locating the grinding wheel further from the spindle nose.

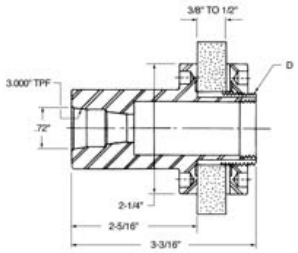


00819

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
00819	25-3300-LH	1-1/4-16LH

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00820	25-3300-RH	1-1/4-16RH



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

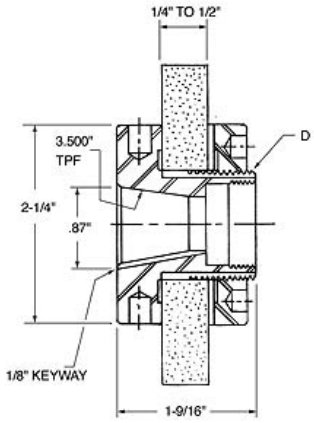
William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Wheel Adapters for Ward Grinders.

3.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



01107



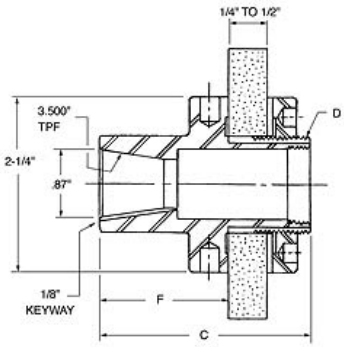
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
01106	S106	1-1/4-16RH
01107	S107	1-1/4-16LH



01103



01104



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F
01104	S104	2-9/16	1-1/4-16RH	1-1/2
01105	S105	2-9/16	1-1/4-16LH	1-1/2
01103	S103	3-5/8	1-1/4-16LH	2-9/16

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

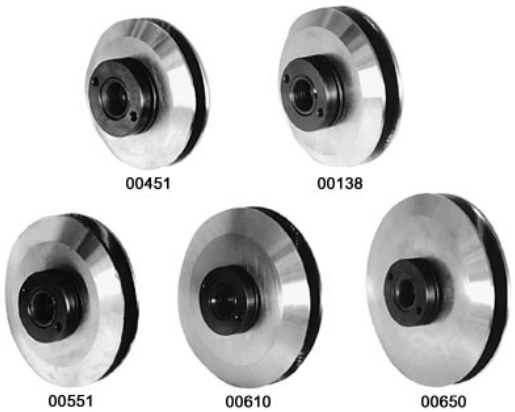
CAUTION!
Always Wear Safety Goggles When Griding.

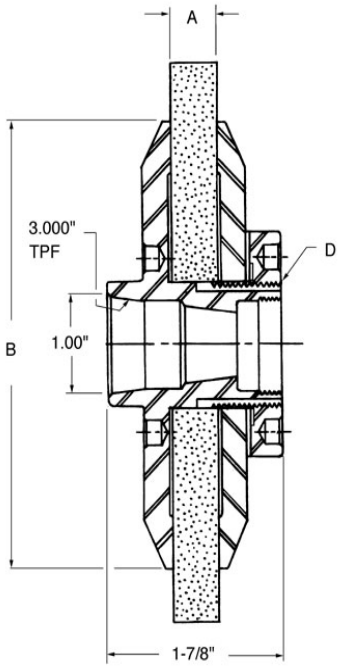
Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. DESIGNED FOR THIN CUT-OFF WHEELS AND DIAMOND WHEELS.

Sopko flanged adapters are machined from alloy steel. The resulting one piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design, and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.





SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00451	4.5-1	0 to 1/2	4-1/2	1-1/4-16LH
00452	4.5-2	0 to 1/2	4-1/2	1-1/4-16RH
00138	5.0-1	0 to 1/2	5	1-1/4-16LH
00139	5.0-2	0 to 1/2	5	1-1/4-16RH
00551	5.5-1	0 to 1/2	5-1/2	1-1/4-16LH
00552	5.5-2	0 to 1/2	5-1/2	1-1/4-16RH
00610	6.0-1	0 to 1/2	6	1-1/4-16LH
00612	6.0-2	0 to 1/2	6	1-1/4-16RH
00650	6.5-1	0 to 1/2	6-1/2	1-1/4-16LH
00652	6.5-2	0 to 1/2	6-1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Flanged Wheel Adapters.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

All the quality features you expect from Sopko are built into these larger diameter flanged wheel adapters too...

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.

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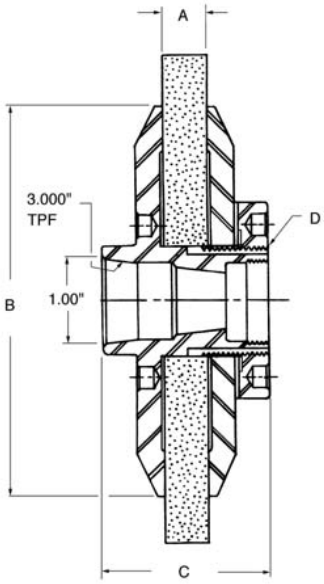


00710

(Front Side) (Taper Side)

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00710 00712	7.0-1 7.0-2	0 to 1/2 0 to 1/2	7 7	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00750 00752	7.5-1 7.5-2	0 to 1/2 0 to 1/2	7-1/2 7-1/2	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00810 00812	8.0-1 8.0-2	0 to 1/2 0 to 1/2	8 8	2 2	1-1/4-16LH 1-1/4-16RH

See page 74 for available flanges.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.* FOR 2.000" AND 3.000" ID WHEELS.

Now you can extend the useful working life of 2.000" and 3.000" ID grinding wheels. There is no need to waste money by throwing worn wheels away. Extend wheel life, use Sopko 4-1/2" flanged diameter wheel adapters! Machined from forged alloy steel, the one-piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

All the quality features you expect from Sopko are built into these flanged wheel adapters for 2.000" ID and 3.000" ID grinding wheels.

- ONE PIECE HUB design for rigidity.

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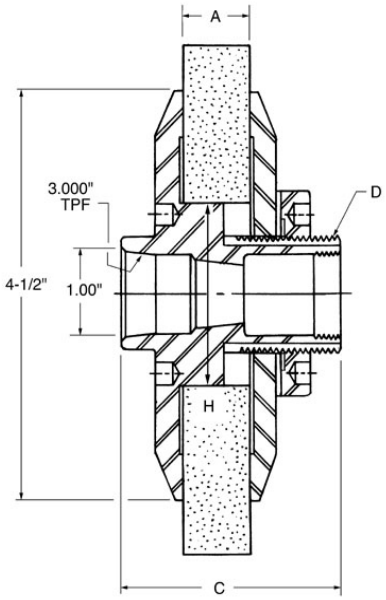
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.
- Not for larger surface grinders (taper is 1.00" at LE).



00453



00455



SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D	H
00453	4.5-1-2	3/8 to 3/4	2-1/8	1-1/4-16LH	2.00
00454	4.5-2-2	3/8 to 3/4	2-1/8	1-1/4-16RH	2.00
00455	4.5-1-3	3/8 to 1	2-3/8	1-1/4-16LH	3.00
00456	4.5-2-3	3/8 to 1	2-3/8	1-1/4-16RH	3.00

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

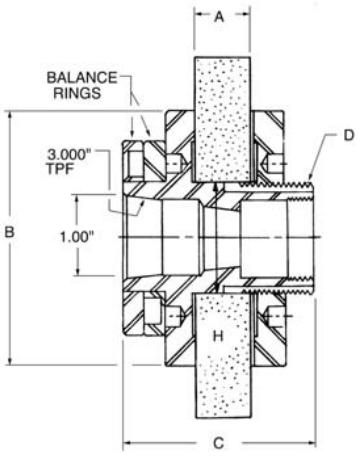
Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.



00460



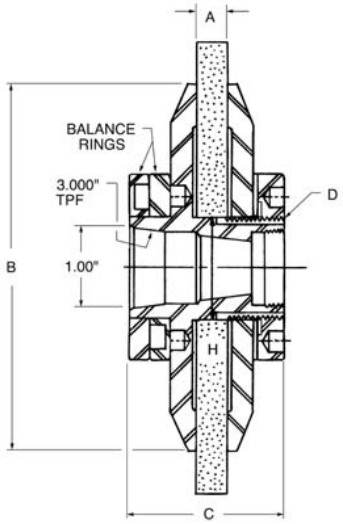
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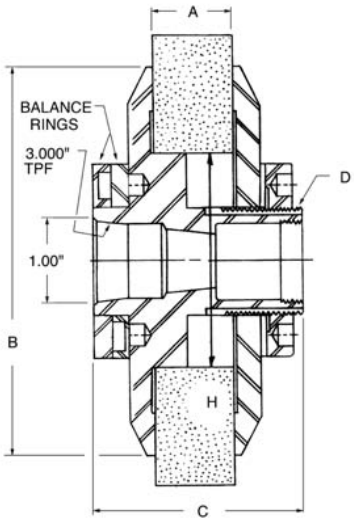
00248
(Front Side)



00251
(Taper Side)



SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000



*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Reversible Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper and are securely locked against loosening by the wheel rotation.

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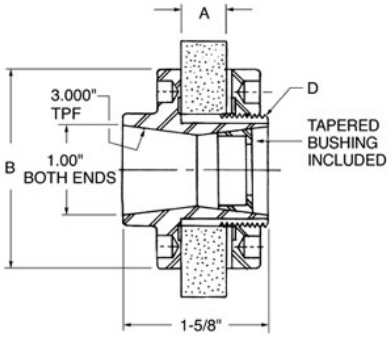
- Manufactured from quality steel to withstand the rigors of daily use, then HARDENED and GROUND.

For use on all spindles having a 3.000" TPF with 1.00" diameter at large end of taper. Including: Boyar-Schultz, Bridgeport, Brown & Sharpe, DoAll, Excello, Foote Burt-Hammond, Harig, Norton, Parker Majestic, Pope, Reid, Sanford, Setco, Taft Pierce, and Whitnon.



00222

A precision ground double-taper and removable bushing make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. LH thread is standard.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00222	222RWA	1/4 to 1/2	2-1/4	1-1/4-16LH
00255	222RWA-R	1/4 to 1/2	2-1/4	1-1/4-16RH
00256	4.5-2RWA	0 to 1/2	4-1/2	1-1/4-16RH
00022	22-W	Replacement tapered bushing.		

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

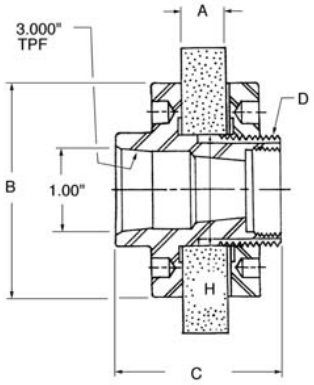
- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.



01112



00651



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00358



00360

FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250
00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250

Electroless nickel plating available on all Sopko adapters at additional cost.
*Balancing style adapter.

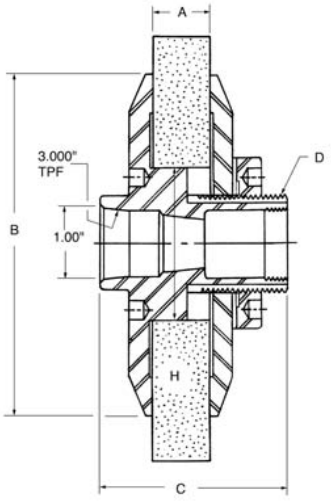


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.



00739

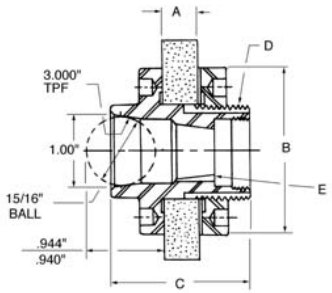


FIG. 1

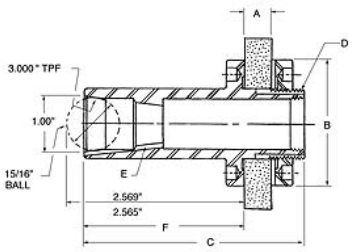


FIG. 2

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00738



00737

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

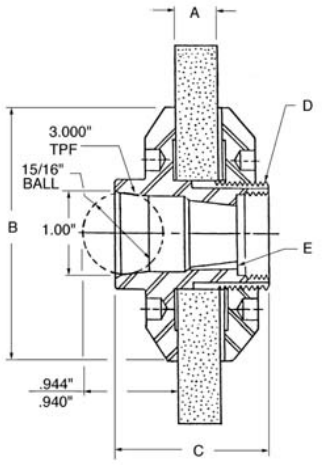


FIG. 3

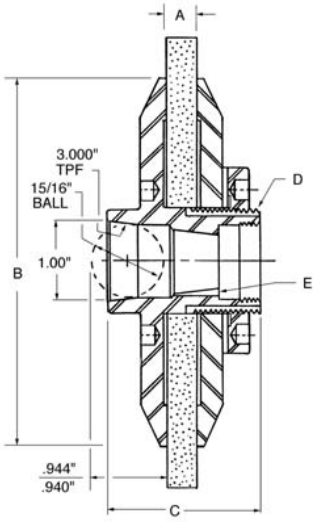


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Pin Slot Wheel Adapters for Reversing Spindles.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.



00094



00275

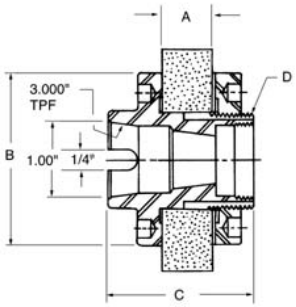


FIG. 1

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00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F
00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-
00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

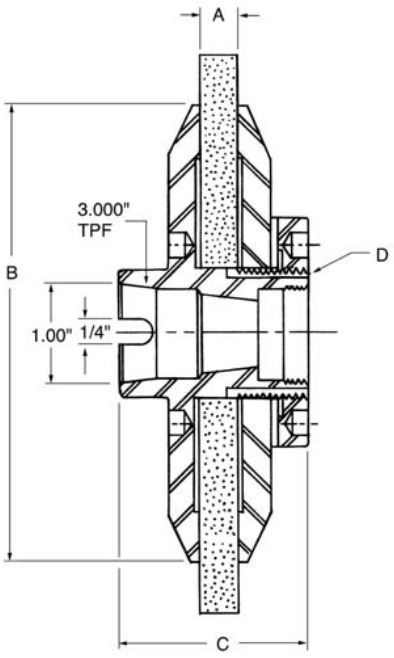


FIG. 2

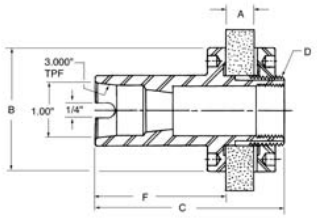


FIG. 3

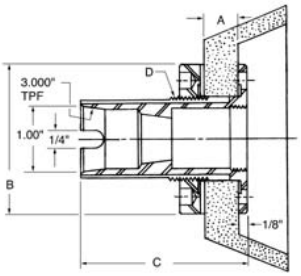


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Cincinnati Taper Flanged and Cup Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

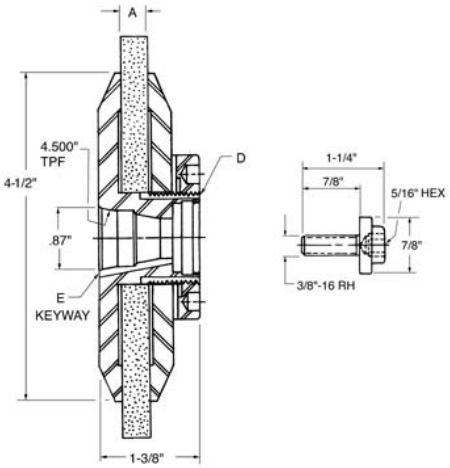
Sopko flanged adapters are machined from forged alloy steel. The resulting one-piece hub design distributes mounting pressures away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one-piece design and the precision ground flange provides identical radial load-bearing surfaces for positive wheel lock and

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better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.



00457



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D	E
00446	C4.5-1	0 to 1/2	1-1/4-16LH	-
00564*	C4.5-1KW	0 to 1/2	1-1/4-16LH	1/8
00158	C4.5-2	0 to 1/2	1-1/4-16RH	-
00457*	C4.5-2KW	0 to 1/2	1-1/4-16RH	1/8

*Spindle mounting bolt 14362 and retaining ring 04269 included.

Sopko cup wheel adapters are made with a THIN-WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED, and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive lock. A hardened nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN during spindle rotation.

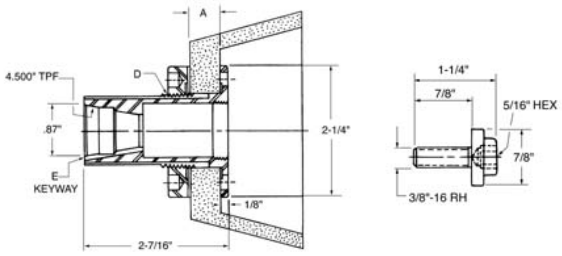


00289



00290†

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D	E
00289	C200-2CW	3/8 to 5/8	1-1/4-16RH	-
00290**	C200-2CWKW	3/8 to 5/8	1-1/4-16RH	1/8



** Includes spindle mounting bolt 14362 only.
†Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Loewe and Levin Grinders, and Blomback and Fortuna Spindles.

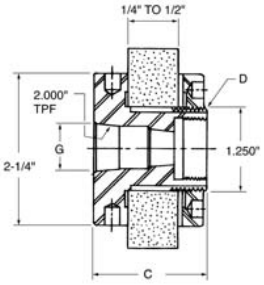
2.000" TPF AND 3.000" TPF WITH .51", .57", AND .70" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The 01022 and 01023 Wheel Adapters are used on the LOEWE TO-525 OPTI-GRIND GRINDER.*

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01023



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	G
01022	SA60-1	1-11/16	1-1/4-16LH	0.70
01023	SA60-2	1-11/16	1-1/4-16RH	0.70
01024	S112	1-1/8	1-1/4-16RH	0.51
50267	-	1-1/8	1-1/4-16LH	0.51

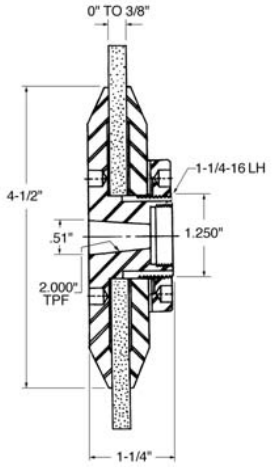
*Used with Blombach and Fortuna spindles.

The Loewe flanged adapter one piece design distributes wheel mounting pressure away from the bore, the weakest part of the grinding wheel. The resulting rigidity and the precision ground flange provides an identical radial load bearing surface for positive wheel lock. Machined from solid alloy steel, all surfaces are ground concentric and square. Completely heat treated, the Loewe flanged adapter is safe to use and maintains its rigidity.

SOPKO CATALOG NO.
00554



00554

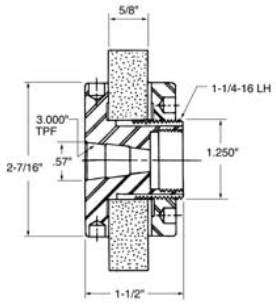


The 01108 Levin adapter features a high quality internal taper for a precision spindle mount and ground OD threads. All surfaces are ground square and concentric for better workpiece finish, and component parts are heat treated for strength and rigidity.

SOPKO CATALOG NO.
01108



01108



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

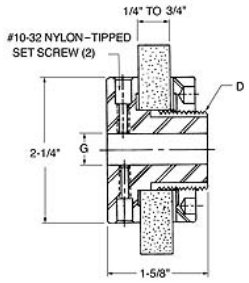
Straight Bore Wheel Adapters.

WITH .500", .625", AND .750" BORES.
FOR 1.250" ID WHEELS.

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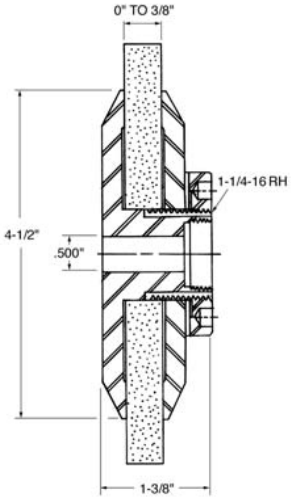
00147



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		D	G
00147	S117-1/2-1	1-1/4-16LH	0.500
00148	S117-1/2-2	1-1/4-16RH	0.500
00149	S117-5/8-1	1-1/4-16LH	0.625
00150	S117-5/8-2	1-1/4-16RH	0.625
00151	S117-3/4-1	1-1/4-16LH	0.750
00152	S117-3/4-2	1-1/4-16RH	0.750



00153

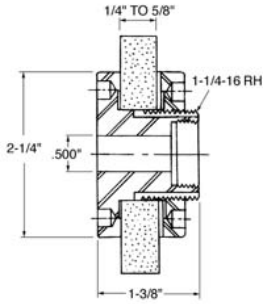


SOPKO CATALOG NO.	SOPKO PART NO.
00153*	DM4.5-2

*Designed to be used on the Dumore 5X350 external wheel spindle and perfect for thin diamond wheels.



00154



SOPKO CATALOG NO.	SOPKO PART NO.
00154**	DM200-2

**Designed to be used on the Dumore 5X350 external wheel spindle.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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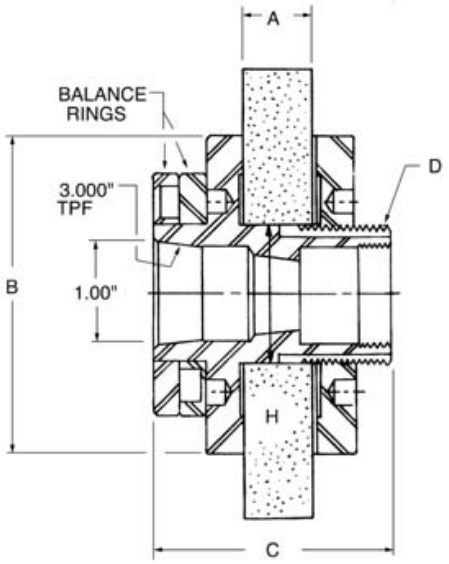
Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.



00460

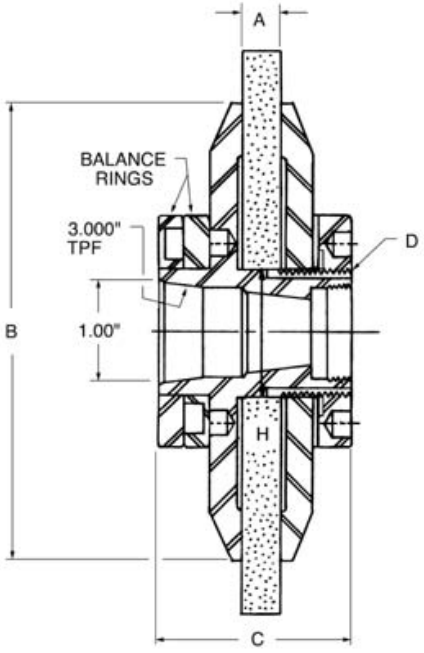




00248
(Front Side)



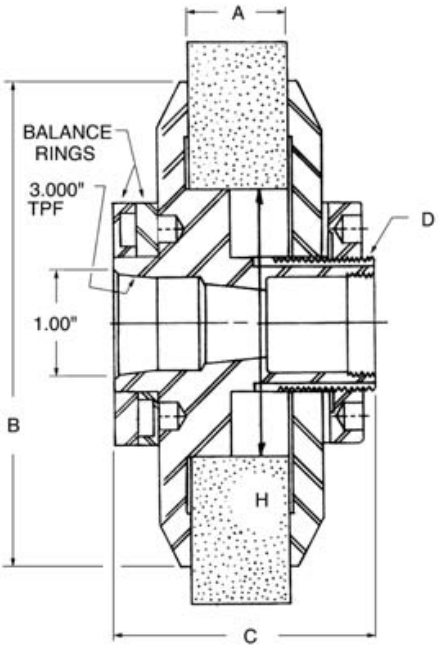
00251
(Taper Side)



SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250

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00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000



*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Wheel Adapters for Flute Grinders Manufactured by Hertlein Special Tool Co., Mt. Vernon, NY.

3.000" TPF WITH 1.63" DIAMETER AT LARGE END OF TAPER.
FOR 12.000" ID WHEELS.

Starting with a precision ground internal taper, this Sopko bolt-on flange balancing adapter offers today's Hertlein CO-100 grinding professional the best in quality features. Two precisely ground flanges provide identical load-bearing surfaces for reliable grinding wheel lock and to maximize spindle driving torque. Made from pre-hardened alloy steel and finished with black oxide, the adapter is furnished with a bronze balancing weight set 00849.



(Front Side)

50182

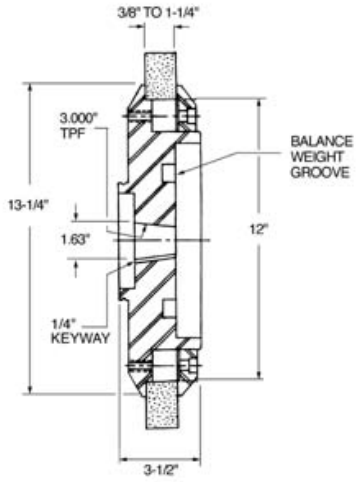


(Taper Side)

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com



01809



OPTIONAL SOCKET HEAD CAP SCREW SETS. *

WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
3/8 to 3/4	01809	3/8-16X1-3/4	8
1 to 1-1/4	01810	3/8-16X2-1/4	8

* Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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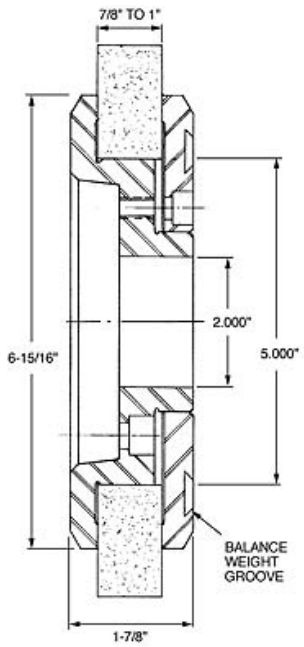
Wheel Adapters for Jones & Shipman Grinders.

FOR 13° 43' 08" INC ANGLE TAPER* AND 2" STRAIGHT BORE WITH 1.605" DIAMETER AT LARGE END OF TAPER. FOR 5.000" ID WHEELS.

A tradition of quality manufacturing makes this Jones and Shipman series 1076 straight bore bolt-on flange balancing adapter an outstanding value. Two precison ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, the adapter is furnished with a three piece steel balancing weight set 00859, three 5/16-18RH x 1/2" SHCS 05941 flange bolts.



01195
(Front Side)

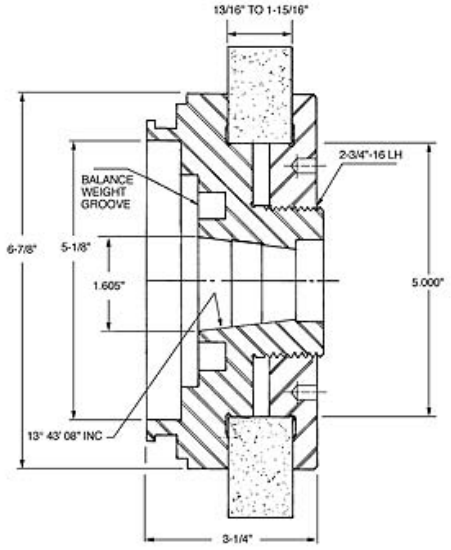


SOPKO CATALOG NO.
01195

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

This premium quality Jones & Shipman series 1310 universal cylindrical grinder balancing adapter features the highest quality 13° 43' 08" INC angle internal taper for precise spindle mounting and pre-heat treated hubs and nuts for strength and long life. Precision ground surfaces and thread ground threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes. Adapter furnished with three piece bronze balancing weight set 00861.





SOPKO CATALOG NO.
01836

01836
(Taper Side)

*Europe and Canada only.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Wheel Adapters for Okamoto DX Series Grinders.

3.000" TPF AND 1:5 TAPER RATIO WITH 1.00" AND 1.75" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 5.000" ID WHEELS.

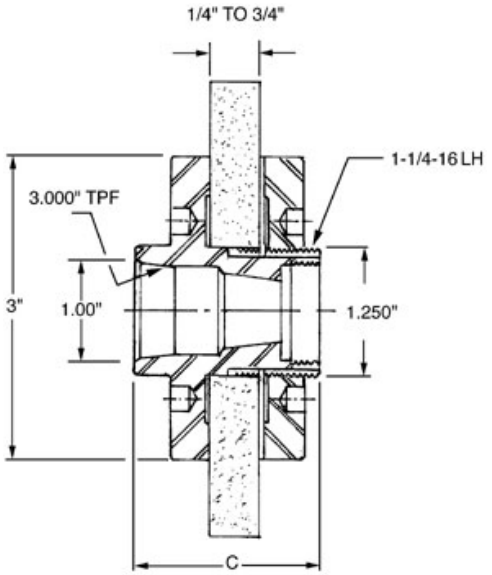
Standard adapter for 6.18DX and 8.20DX saddle type surface grinders.

SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS C
00129	A521	1-15/16
02681*	-	2-3/64

* Balancing style adapter includes weight set 00862.



00129

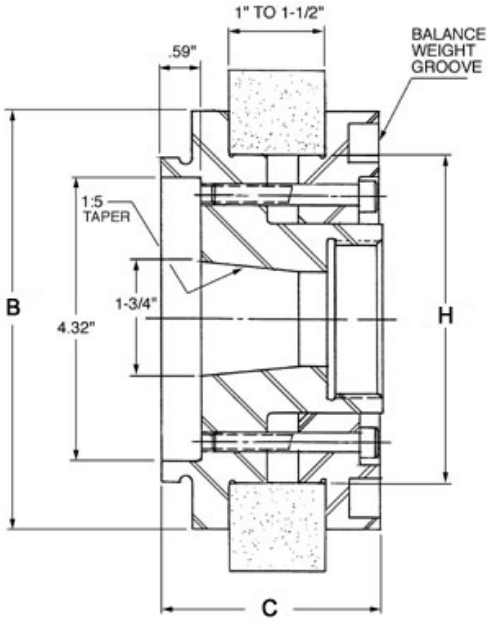


Bolt-on flange balancing adapter for 12.24DX, 16.24DX, 16.32DX, 20.24DX, 20.36DX and 20.40DX saddle type surface grinders.

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00636



SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS B	C	H
00908†	A621-3	5	3-1/4	3.000
00636**	A621-5	6-3/8	3-3/8	5.000

† Includes balancing weight set 00831 and 6 piece SHCS set 00614.
** Includes balancing weight set 00864 and 6 piece SHCS set 00614.

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
00636	27MM to 38MM (1" to 1.50")	01834	5/16-18 X 2-1/4	6
00908	1"	00614	5/16-18 X 1-1/4	6
	1-1/2"	00615	5/16-18 X 1-1/2	6

** Includes balancing weight set 00864.

Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000” TPF WITH 1.62” AND 2.25” DIAMETER AT LARGE END OF TAPER.
FOR 5.000” AND 8.000” ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use.

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01342

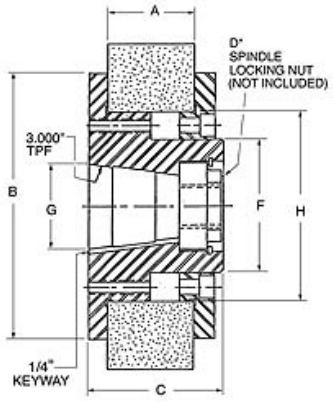


FIG. 1

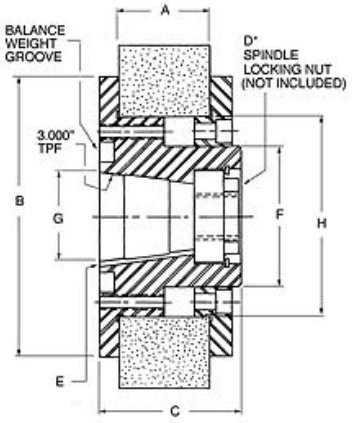


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS							SNAP RING
		A	B	C	D*	F	G	H	
01341	1	3/4 to 1-1/2	7	2-9/16	3/4-16	3-1/2	1.62	5.000	04248
01357	1	1 to 2-1/2	7	3-9/16	1-1/8-12	3-1/2	2.25	5.000	04358
01342	2	3/4 to 1-3/4	7	2-13/16	3/4-16	3-5/8	1.62	5.000	01830
01343	2	1 to 2-1/2	7	3-9/16	1-1/8-12	3-5/8	2.25	5.000	01830
01344	2	1-3/4 to 3	10	4-1/16	1-1/8-12	4	2.25	8.000	01830

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01341	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
	3/4 to 1	01795	3/8-16X1-1/4	4
01342	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
	1-1/2 to 1-3/4	01797	3/8-16X2-1/4	4
	1 to 1-1/2	01798	3/8-16X1-1/2	4
01343	1-3/4 to 2	01797	3/8-16X2-1/4	4
01357	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	1-3/4 to 2	01797	3/8-16X2-1/4	4
01344	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	2-3/4 to 3	01800	3/8-16X3-1/4	4



01797



00828

00828	Three piece bronze balancing weight set for 01342 and 01343.
00826	Three piece bronze balancing weight set for 01344.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 3.000" AND 5.000" ID WHEELS.



01353
(Front Side)



01351
(Taper Side)

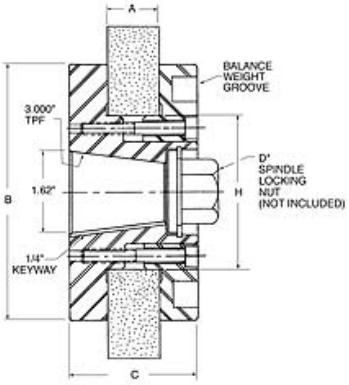


FIG. 1

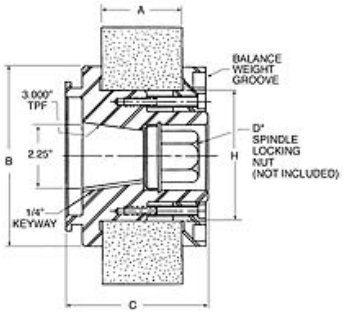


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS			
		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

OPTIONAL SOCKET HEAD CAP SCREW SETS.

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.
00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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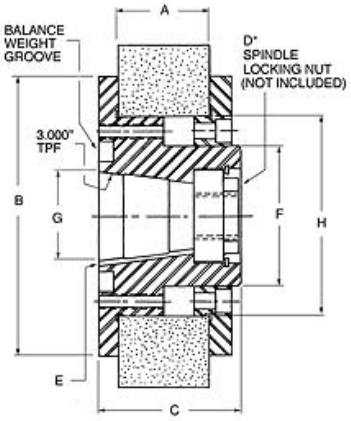
Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000" TPF WITH 2.62", 3.00" AND 3.75" DIAMETER AT LARGE END OF TAPER.
FOR 5.000", 8.000" AND 12.000" ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use. And of course, the high quality internal taper is unsurpassed for precision spindle mounting.



01345



SOPKO CATALOG NO.	DIMENSIONS								SNAP RING
	A	B	C	D*	E	F	G	H	
01345	1-1/2 to 2-3/4	7	4-3/16	1-1/2-12	1/4	3-5/8	2.62	5.000	01830
01346	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	2.62	12.000	01830
01347	1-3/4 to 3	7	4-11/16	1-1/2-12	1/4	3-5/8	3.00	5.000	01830
01348	1-3/4 to 3	10	4-5/16	1-1/2-12	1/4	5-1/2	3.00	8.000	01830
01349	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	3.00	12.000	01830
01350	2-1/4 to 4	10	5-1/2	2-1/4-12	3/8	5-1/2	3.75	8.000	04331



01801



00829

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01345	1-1/2 to 2	01801	3/8-16X2-1/2	4
	2-1/4 to 2-3/4	01800	3/8-16X3-1/4	4
01346	1-3/4 to 2-1/4	01811	3/8-16X3	6
01347	2-1/2 to 3	01802	3/8-16X3-1/2	4
01349	6			
01348	1-3/4 to 2-1/4	01803	1/2-13X3	6
	2-1/2 to 3	01804	1/2-13X3-1/2	6
	2-1/4 to 2-3/4	01805	1/2-13X2-1/2	6
01350	3 to 3-1/2	01806	1/2-13X3-1/4	6
	4	01807	1/2-13X4	6

00829	Three piece bronze balancing weight set for 01346 and 01349.
00826	Three piece bronze balancing weight set for 01345, 01347, 01348, and 01350.

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All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Cincinnati Taper Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Adapter locked on spindle taper with bolt.



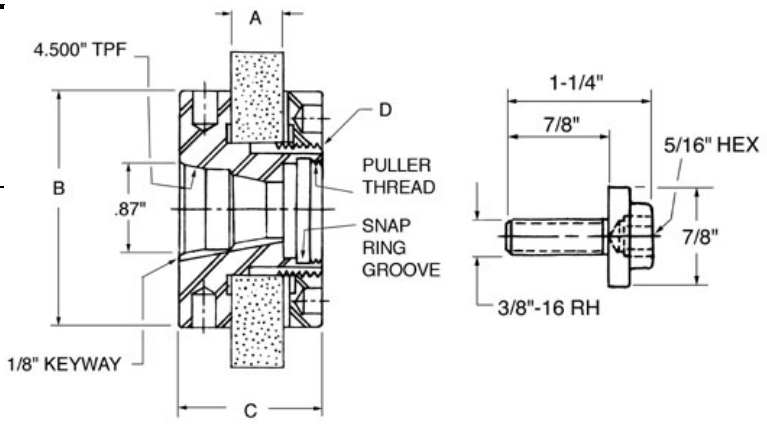


FIG.1

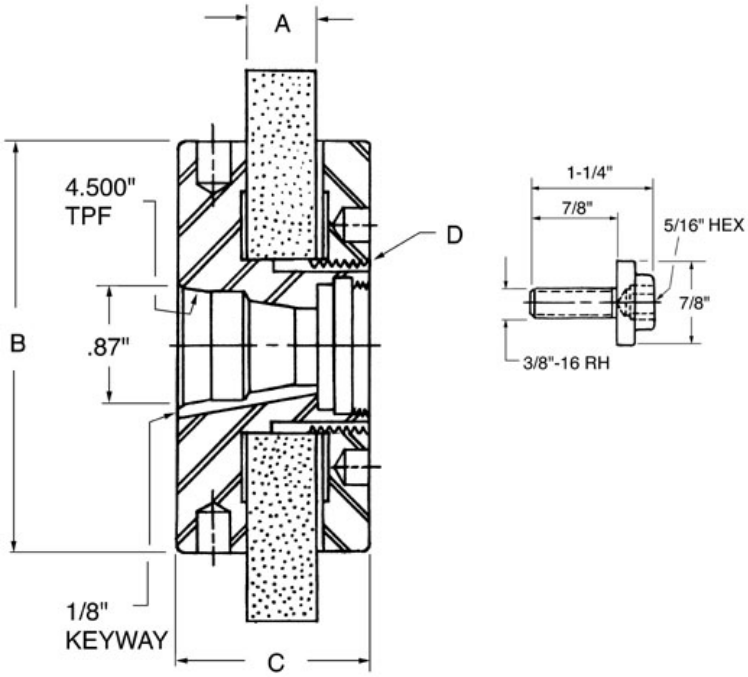


FIG.2

SOPKO CATALOG NO.	FIG	SOPKO PART NO.	DIMENSIONS A	B	C	D
00108**	1	C100-1KW	3/4 to 1	2-1/4	2	1-1/4-16LH
00253**	1	C100-2KW	3/4 to 1	2-1/4	2	1-1/4-16RH
00278*	1	C200-1KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
00239*	1	C200-2KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH
00279*	1	CX200-2KW	1/4 to 1/2	2	1-3/8	1-1/4-16RH
00407**	1	C400-1AKW	2	2-1/4	3	1-1/4-16LH
00408**	1	C400-2AKW	2	2-1/4	3	1-1/4-16RH
00409**	1	C400-1BKW	1 to 2	2-1/4	3	1-1/4-16LH
00411**	1	C400-2BKW	1 to 2	2-1/4	3	1-1/4-16RH
00282*	2	C230-1KW	1/4 to 1/2	3	1-3/8	1-1/4-16LH
00283*	2	C230-2KW	1/4 to 1/2	3	1-3/8	1-1/4-16RH
00284*	2	C235-1KW	1/4 to 1/2	3-1/2	1-3/8	1-1/4-16LH

*Spindle mounting bolt 14362 and retaining ring 04269 included.
**Includes spindle mounting bolt 14362 but no retaining groove or ring.

For older style Cincinnati flat belt, center drive spindles. No keyway in taper. Adapter locked on spindle taper with spindle nut.*



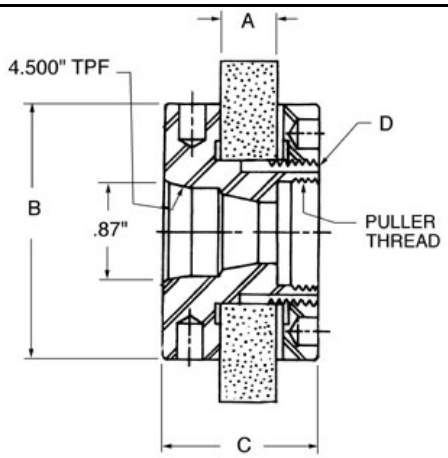
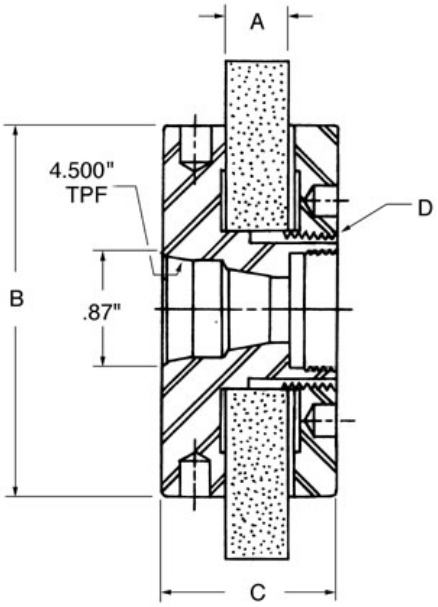


FIG.1

SOPKO CATALOG NO.	FIG	SOPKO PART NO.	DIMENSIONS A	B	C	D
00103	1	C100-1	3/4 to 1	2-1/4	2	1-1/4-16LH
00104	1	C100-2	3/4 to 1	2-1/4	2	1-1/4-16RH
00205	1	C200-1	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
00206	1	C200-2	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH
00280	1	C200-2C	1/2	2-1/4	1-3/8	1-1/4-16RH
00281	1	CX200-2	1/4 to 1/2	2	1-3/8	1-1/4-16RH
00442	1	C400-1A	2	2-1/4	3	1-1/4-16LH
00443	1	C400-2A	2	2-1/4	3	1-1/4-16RH
00444	1	C400-1B	1 to 2	2-1/4	3	1-1/4-16LH
00445	1	C400-2B	1 to 2	2-1/4	3	1-1/4-16RH

FIG.2

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00109	2	C130-2	3/4 to 1	3	2	1-1/4-16RH
00287	2	C230-1	1/4 to 1/2	3	1-3/8	1-1/4-16LH
00288	2	C230-2	1/4 to 1/2	3	1-3/8	1-1/4-16RH

*Spindle mounting nut not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

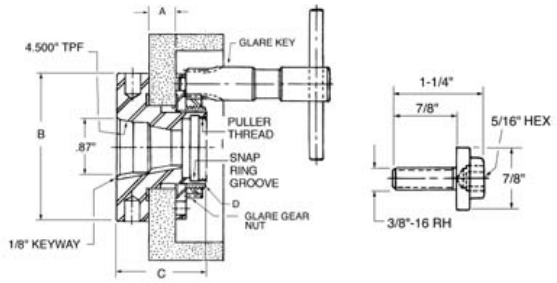
William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Cincinnati Taper Wheel Adapters
With Glare Gear Assembly.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Adapter locked on spindle taper with bolt.





01116**

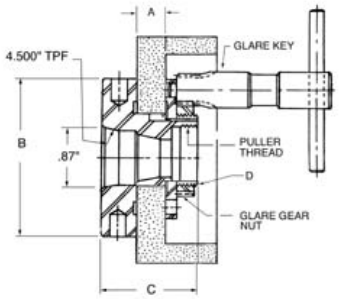
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
01125	GGC100-2KW	3/4 to 1	2-1/4	2	1-1/4-16RH
00571	GGC200-1KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
01116	GGC200-2KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH

*Spindle mounting bolt 14362 and retaining ring 04269 included.
**Grinding wheel not included.

For older style Cincinnati flat belt, center drive spindles. No keyway in taper.
Adapter locked on spindle taper with spindle nut.*

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00909**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00909	GGC200-1	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH

* Spindle mounting nut not included.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

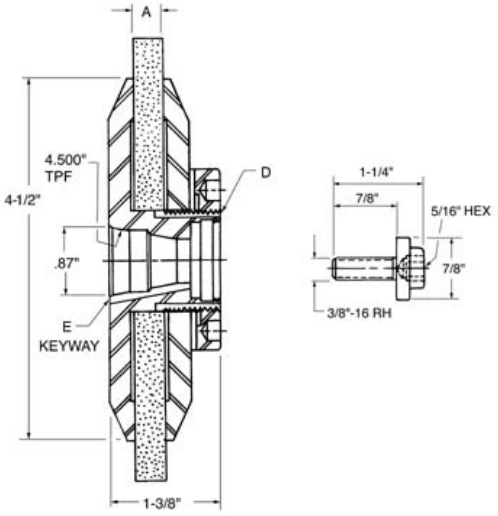
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Flanged and Cup Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

Sopko flanged adapters are machined from forged alloy steel. The resulting one-piece hub design distributes mounting pressures away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one-piece design and the precision ground flange provides identical radial load-bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.





00457

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	D	E
00446	C4.5-1	0 to 1/2	1-1/4-16LH	-
00564*	C4.5-1KW	0 to 1/2	1-1/4-16LH	1/8
00158	C4.5-2	0 to 1/2	1-1/4-16RH	-
00457*	C4.5-2KW	0 to 1/2	1-1/4-16RH	1/8

*Spindle mounting bolt 14362 and retaining ring 04269 included.

Sopko cup wheel adapters are made with a THIN-WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED, and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive lock. A hardened nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN during spindle rotation.

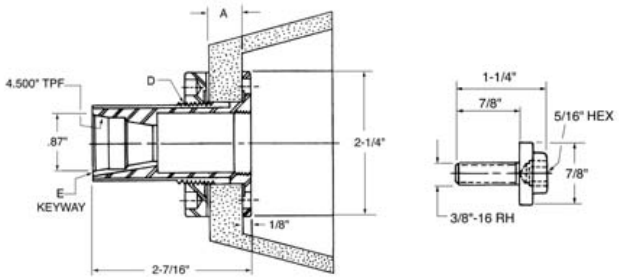
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00289 **00290†**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D	E
00289	C200-2CW	3/8 to 5/8	1-1/4-16RH	-
00290**	C200-2CWKW	3/8 to 5/8	1-1/4-16RH	1/8



** Includes spindle mounting bolt 14362 only.
†Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Long Extended Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 OR NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

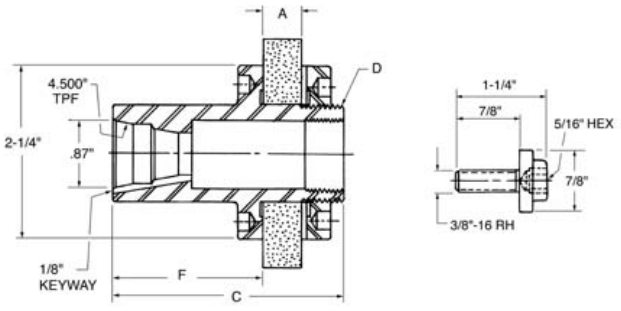
For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Cincinnati taper long extended adapters are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinding applications where the operator must reach across a boss or other obstruction. The adapters also have application on cutter grinders and tool grinders.





00242 **00243**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	F
00240*	CE200-1A	1/4 to 3/4	3	1-1/4-16LH	1-15/16
00242*	CE200-2A	1/4 to 3/4	3	1-1/4-16RH	1-15/16
00241*	CE201-1A	1/4 to 3/4	4-7/16	1-1/4-16LH	3-3/8
00243*	CE201-2A	1/4 to 3/4	4-7/16	1-1/4-16RH	3-3/8



*Includes spindle mounting bolt 14362 only.

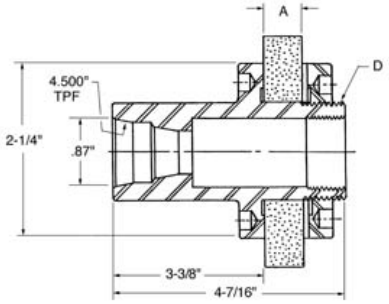
For older style Cincinnati flat belt, center drive spindles.

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00291

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00291	CE202-1A	1/4 to 3/4	1-1/4-16LH
00292	CE202-2A	1/4 to 3/4	1-1/4-16RH



Standard taper (3.000" TPF) long extended wheel adapters on page 14.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Adapters for Rockwell, Rockwell-Delta, Rockwell-Milwaukee Grinders, Harig, and Model 25 Grinder Manufactured by Gallmeyer & Livingston Co., Grand Rapids, MI.

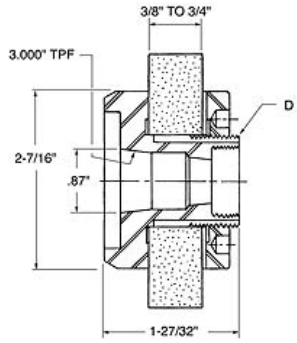
3.000" TPF, 4.256" TPF, AND 4.250" TPF WITH 0.87", 1.00", AND 1.12" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Adapters for Rockwell, Rockwell-Delta, and Rockwell-Milwaukee grinders.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
00815	24-816-LH	1-1/4-16LH
00816	24-816-RH	1-1/4-16RH



00815



TML adapter for older Harig surface grinders.

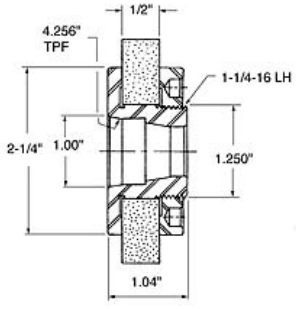
SOPKO CATALOG NO.
00169



(Front Side)



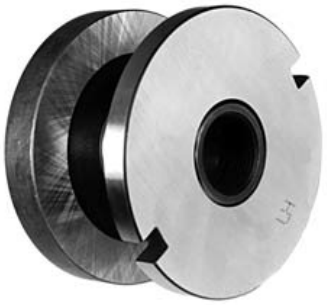
(Taper Side)



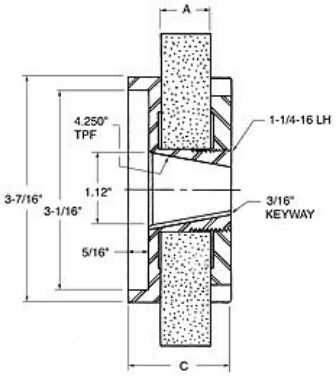
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The Gallmeyer & Livingston Model 25 Grand Rapids Hydraulic Feed Grinder adapters feature a SHROUDED DESIGN to keep contamination away from the spindle. State of the art THREAD GRINDING of the hub, and CONCENTRIC AND SQUARE GROUND FLANGE SURFACES provide better workpiece finishes because the grinding wheel is locked precisely against the adapter face. Lasting quality, performance, and value are optimized with HEAT TREATING and BLACK OXIDE FINISH.

SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00526	1/2 to 3/4	1-9/16
00527	1	1-7/8
00528	1 to 1-1/4	2-1/16



00528



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters
With Glare Gear Assembly.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The UNIQUE GRINDING WHEEL LOCKING SYSTEM that eliminates damage to grinding wheels and spindle bearings caused by hammering. Also provides best possible mounting concentricity when tightening diamond, CBN, or vitrified wheels.



01231**



01235

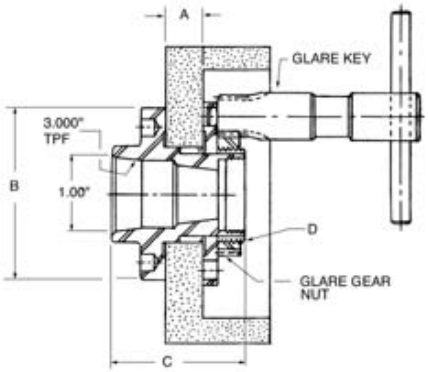


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS					
			A	B	C	D	E	F
01231	1	GG100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-	-
01232	1	GG100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-	-
01233	1	GG200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-	-
01234	1	GG200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-	-
01235	1	GG220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	-	-
01236	1	GG300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-	-
01237	1	GG300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	-	-
00159	1	GG300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	-	-
00127	1	GG400-1A	2	2-1/4	3-3/16	1-1/4-16LH	-	-
00566	1	GG400-2A	2	2-1/4	3-3/16	1-1/4-16RH	-	-
00189	1	GG400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	-	-
00417	1	GG500-1A	3	2-1/4	4-3/16	1-1/4-16LH	-	-
00462	1	GG500-2A	3	2-1/4	4-3/16	1-1/4-16RH	-	-
00704	1	GG500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	-	-
01282	3	GG200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-	2-5/16
00687	3	GG200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	-	3-7/16
00740*	2	GGU100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	3/32	-
00741*	2	GGU100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	3/32	-
00742*	2	GGU200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32	-
00743*	2	GGU200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	3/32	-
00744*	2	GGU300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	3/32	-
00745*	2	GGU300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	3/32	-
00746*	2	GGU300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	3/32	-
00747*	2	GGU400-1A	2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00748*	2	GGU400-2A	2	2-1/4	3-3/16	1-1/4-16RH	3/32	-
00194*	2	GGU400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00324*	2	GGU500-1A	3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00548*	2	GGU500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00320*	3	GGU200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/32	2-5/16
00595*	3	GGU200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3/32	3-7/16

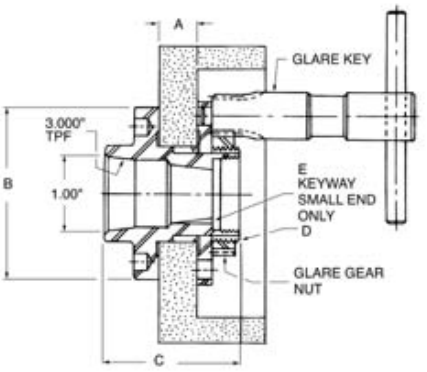


FIG. 2

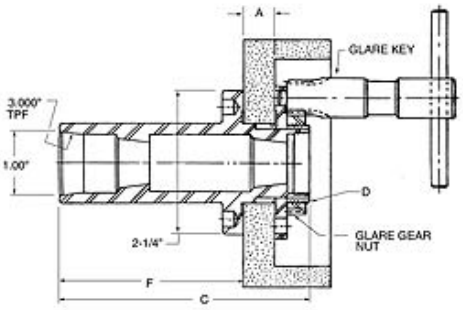


FIG. 3

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50329*	3	GGU200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	3/32	2-5/16

See page 73 for complete selection of Glare Gear components.
Glare Gear Assemblies can be furnished with all 1-1/4" ID adapters.
List above is stocked product only.
*For grinding machines manufactured by Unison Corp., Ferndale, MI.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

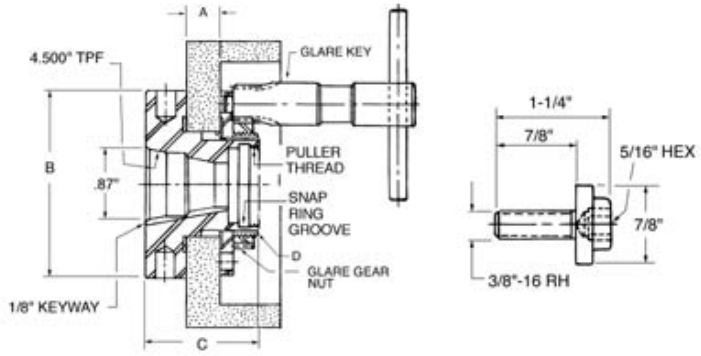
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Wheel Adapters
With Glare Gear Assembly.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Adapter locked on spindle taper with bolt.





01116**

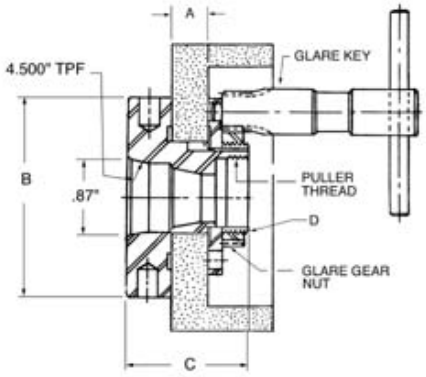
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
01125	GGC100-2KW	3/4 to 1	2-1/4	2	1-1/4-16RH
00571	GGC200-1KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
01116	GGC200-2KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH

*Spindle mounting bolt 14362 and retaining ring 04269 included.
**Grinding wheel not included.

For older style Cincinnati flat belt, center drive spindles. No keyway in taper.
Adapter locked on spindle taper with spindle nut.*

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00909**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00909	GGC200-1	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH

* Spindle mounting nut not included.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

How did we create the Sopko legacy? Attention to detail and an unremitting commitment to quality that generations of grinding professionals have come to know as the unmatched standard of the industry. Today, customers are still asking for value, performance, and precision.
It's been nearly 50 years; we're still listening.

- HIGH QUALITY INTERNAL TAPERS for precision mounting.
- THREAD GROUND OD THREADS for maximum concentricity and squareness.
- HEAT TREATED COMPONENT PARTS for strength and reliability.
- CONCENTRIC and SQUARE GROUND SURFACES for better workpiece finishes.
- BLACK OXIDE FINISH to protect your investment.



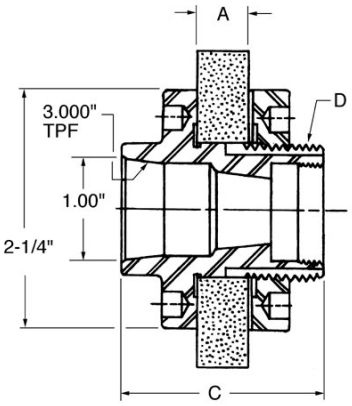


FIG. 1

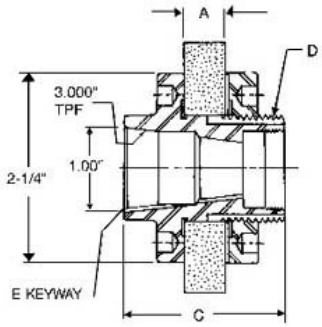


FIG. 2

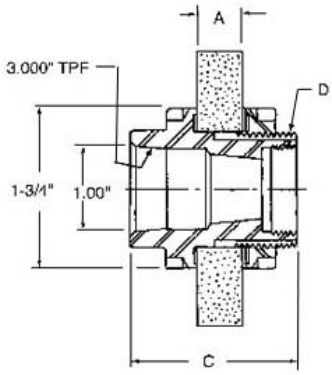


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	E
00100	1	100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00102	1	100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00105	1	100-1C	3/4	1-7/8	1-1/4-16LH	-
00101*	2	AN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	3/16
50183*	2	AN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	3/16
00112	2	KW100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	1/8
00200	1	200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00202	1	200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00208	1	K200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00216	1	K200-2	1/8 to 1/2	1-3/4	1-1/4-16RH	-
00217	1	200-1C	1/2	1-3/4	1-1/4-16LH	-
00201*	2	AN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00225*	2	AN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00226	2	KW200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	1/8
00227	2	KW200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	1/8
00300	1	300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00303*	2	AN-300-1	3/4 to 1	2-1/4	1-1/4-16LH	3/16
00308*	2	AN-300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00302	1	300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00301	1	300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00304	1	300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00305	1	300-1C	1	2-1/4	1-1/4-16LH	-
00306	1	300-2C	1	2-1/4	1-1/4-16RH	-
00307	1	R300-2B	1/2 to 1-1/2	2-11/16	1-1/4-16RH	-
50319	2	KW300-1	3/4 to 1	2-1/4	1-1/4-16LH	1/8
00686	2	KW300-2	3/4 to 1	2-1/4	1-1/4-16RH	1/8
00207	3	X200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00245	3	X200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

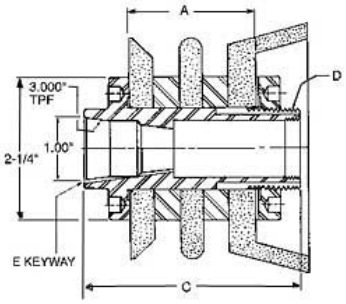
CAUTION!
Always Wear Safety Goggles When Griding.

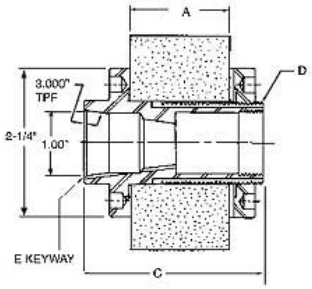
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko is more than quality products; it's quality service too. You can be sure of quick personalized service every time you call. We know you don't have a lot of time to waste listening to phone recordings. You'll be talking to real people with answers to your grinding accessory needs.

- SAME DAY shipment of standard product.
- FRIENDLY and KNOWLEDGEABLE people with INFORMATION you need.
- The LARGEST STOCK of precision grinding accessories in America.
- The source for SPECIAL GRINDING ACCESSORIES made to your specifications.







SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	E
00400	400-1A	2	3-3/16	1-1/4-16LH	-
00402	400-2A	2	3-3/16	1-1/4-16RH	-
00401	400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00403	400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00406	400-1C	1-3/4 to 2	3-3/16	1-1/4-16LH	-
00415	400-2C	1-3/4 to 2	3-3/16	1-1/4-16RH	-
00327*	AN400-1B	1 to 2	3-3/16	1-1/4-16LH	3/16
00413	-	2-1/2 to 2-3/4	3-13/16	1-1/4-16LH	-
00414	-	2-1/2 to 2-5/8	3-3/4	1-1/4-16LH	-
00500	500-1A	3	4-3/16	1-1/4-16LH	-
00502	500-2A	3	4-3/16	1-1/4-16RH	-
00501	500-1B	2 to 3	4-3/16	1-1/4-16LH	-
00503	500-2B	2 to 3	4-3/16	1-1/4-16RH	-
00506	500-1C	1-1/2 to 3	4-3/16	1-1/4-16LH	-
00600	600-1A	4	5-3/16	1-1/4-16LH	-
00602	600-2A	4	5-3/16	1-1/4-16RH	-
00601	600-1B	3 to 4	5-3/16	1-1/4-16LH	-
00604	600-2B	3 to 4	5-3/16	1-1/4-16RH	-
00605	600-1C	3-5/8 to 4	5-3/16	1-1/4-16LH	-
00701	700-1B	4-1/2	5-11/16	1-1/4-16LH	-
00702	700-1C	5	6-3/16	1-1/4-16LH	-
00800	800-1A	6	7-3/16	1-1/4-16LH	-
00801	800-1B	5 to 6	7-3/16	1-1/4-16LH	-
00900	900-1A	7	8-3/16	1-1/4-16LH	-
00999	1000-1A	8	9-3/16	1-1/4-16LH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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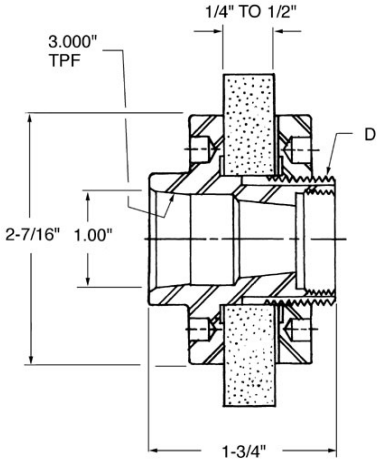
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

00220 (220-1) is the standard replacement adapter for Bridgeport-Harig and Parker PM Majestic grinding machines using 7" diameter wheels.



00220

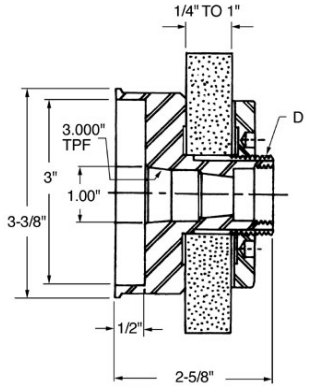


SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00220	220-1	1-1/4-16LH
00221	220-2	1-1/4-16RH

Providing optimum protection against contamination to the wheelhead spindle nose, these high-quality SHROUDED ADAPTERS are designed for performance. Sopko assures this standard with quality features like PRECISION GROUND TAPERS and CONCENTRICALLY GROUND AND SQUARE surfaces to maximize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these adapters because Sopko HEAT TREATS every one.



(Front Side) 00180 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00180	2BY-LH	1-1/4-16LH
00181	2BY-RH	1-1/4-16RH

See page 60 for Pope style shrouded adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250", 1.500", AND 2.000" ID WHEELS.

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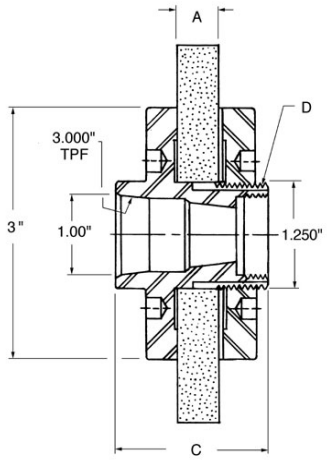


00130



00430

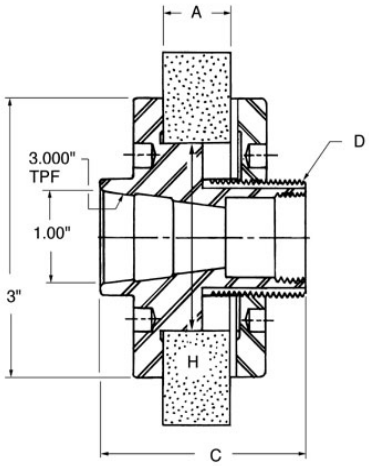
SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D
00130	130-1	3/4	1-15/16	1-1/4-16LH
00132	130-2	3/4	1-15/16	1-1/4-16RH
00230	230-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00232	230-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00330	330-1	3/4 to 1	2-1/4	1-1/4-16LH
00332	330-2	3/4 to 1	2-1/4	1-1/4-16RH
00331	330-1S	3/8 to 1	2-1/4	1-1/4-16LH
00386	330-2S	3/8 to 1	2-1/4	1-1/4-16RH
00430	430-1A	2	3-1/4	1-1/4-16LH
00432	430-2A	2	3-1/4	1-1/4-16RH
00431	430-1B	1 to 2	3-1/4	1-1/4-16LH
00433	430-2B	1 to 2	3-1/4	1-1/4-16RH
00434	430-1D	2-1/4 to 2-1/2	3-3/4	1-1/4-16LH
00435	430-1E	1-1/2 to 2	3-1/4	1-1/4-16LH





00334

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	H
00333	330-1-1.500	1/2 to 1	2-1/4	1-1/4-16LH	1.500
00334	330-1-2.000	1/2 to 1	2-1/4	1-1/4-16LH	2.000



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Play it safe with larger diameter wheels by using Sopko 3-1/2" OD wheel adapters. Manufactured with the same attention to detail, these Sopko adapters feature a high quality internal ground taper, thread ground OD threads, concentric and square ground surfaces, heat treated hub and nut with black oxide finish. Only Sopko offers all these valuable features.

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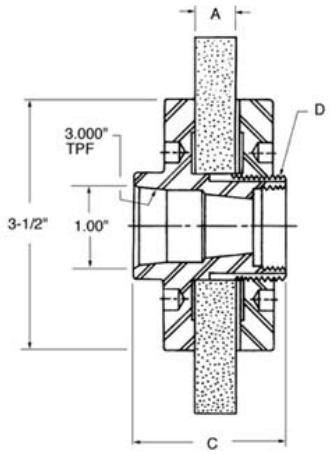


00235



00337

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
00135	135-1	3/4	1-15/16	1-1/4-16LH
00235	235-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00236	235-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00335	335-1	3/4 to 1	2-1/4	1-1/4-16LH
00336	335-2	3/4 to 1	2-1/4	1-1/4-16RH
00337	335-1B	1-1/2	2-3/4	1-1/4-16LH
00618	335-2A	1/2 to 1	2-1/4	1-1/4-16RH



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

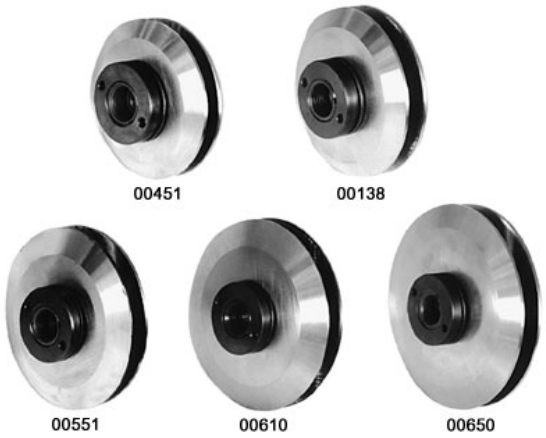
William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

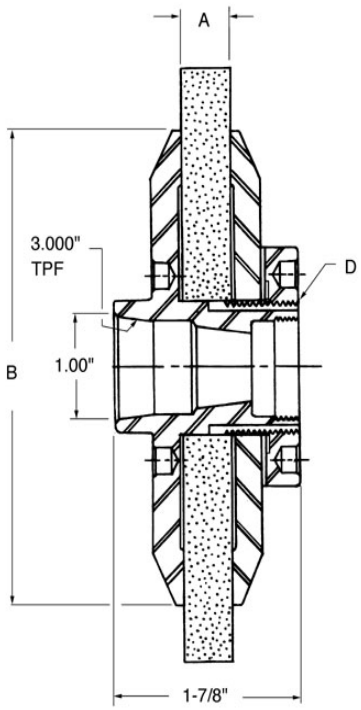
Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. DESIGNED FOR THIN CUT-OFF WHEELS AND DIAMOND WHEELS.

Sopko flanged adapters are machined from alloy steel. The resulting one piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design, and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00451	4.5-1	0 to 1/2	4-1/2	1-1/4-16LH
00452	4.5-2	0 to 1/2	4-1/2	1-1/4-16RH
00138	5.0-1	0 to 1/2	5	1-1/4-16LH
00139	5.0-2	0 to 1/2	5	1-1/4-16RH
00551	5.5-1	0 to 1/2	5-1/2	1-1/4-16LH
00552	5.5-2	0 to 1/2	5-1/2	1-1/4-16RH
00610	6.0-1	0 to 1/2	6	1-1/4-16LH
00612	6.0-2	0 to 1/2	6	1-1/4-16RH
00650	6.5-1	0 to 1/2	6-1/2	1-1/4-16LH
00652	6.5-2	0 to 1/2	6-1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

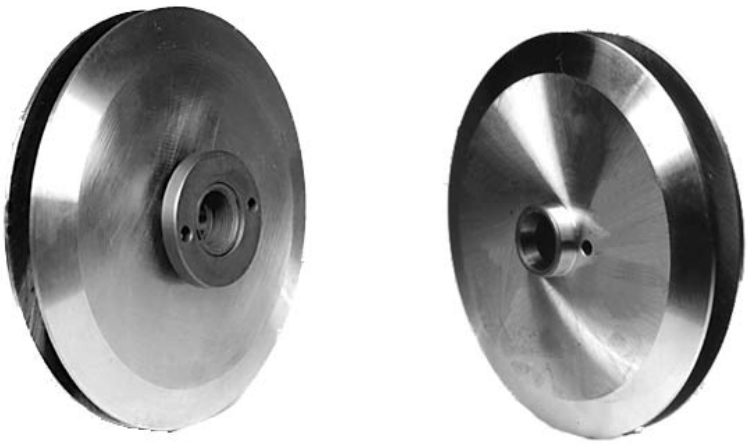
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

All the quality features you expect from Sopko are built into these larger diameter flanged wheel adapters too...

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.



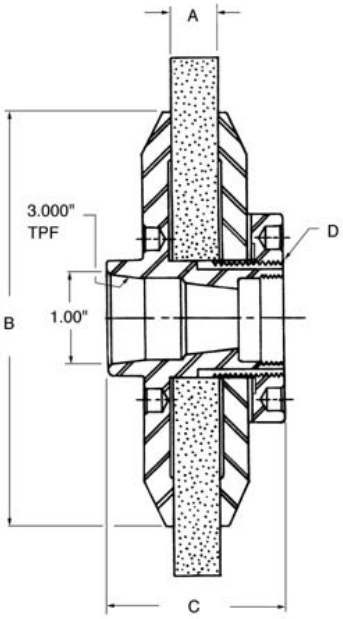
00710

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(Front Side) (Taper Side)

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00710 00712	7.0-1 7.0-2	0 to 1/2 0 to 1/2	7 7	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00750 00752	7.5-1 7.5-2	0 to 1/2 0 to 1/2	7-1/2 7-1/2	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00810 00812	8.0-1 8.0-2	0 to 1/2 0 to 1/2	8 8	2 2	1-1/4-16LH 1-1/4-16RH

See page 74 for available flanges.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.* FOR 2.000" AND 3.000" ID WHEELS.

Now you can extend the useful working life of 2.000" and 3.000" ID grinding wheels. There is no need to waste money by throwing worn wheels away. Extend wheel life, use Sopko 4-1/2" flanged diameter wheel adapters! Machined from forged alloy steel, the one-piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

All the quality features you expect from Sopko are built into these flanged wheel adapters for 2.000" ID and 3.000" ID grinding wheels.

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.
- Not for larger surface grinders (taper is 1.00" at LE).

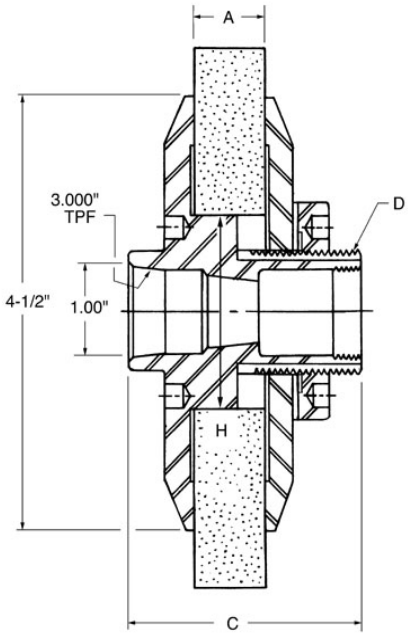
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00453



00455



SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D	H
00453	4.5-1-2	3/8 to 3/4	2-1/8	1-1/4-16LH	2.00
00454	4.5-2-2	3/8 to 3/4	2-1/8	1-1/4-16RH	2.00
00455	4.5-1-3	3/8 to 1	2-3/8	1-1/4-16LH	3.00
00456	4.5-2-3	3/8 to 1	2-3/8	1-1/4-16RH	3.00

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Balancing Wheel Adapters for Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

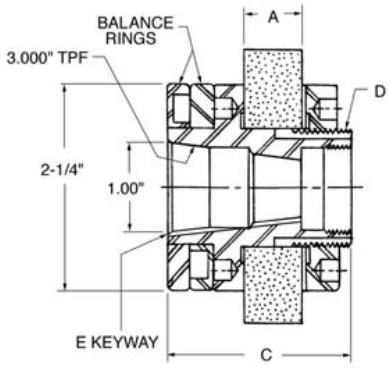
Sopko balancing rings have milled pockets with 180° arc-length. One end of the arc is permanently stamped with a reference line and arrow to designate direction of rotation. Unlike some balancing rings, Sopko “sandwiches” the milled pockets together inside the mated faces. Grinding grit can’t build up! Rings are lapped flat and ground for a precision fit. A nylon-tipped set screw secures each ring to the adapter hub. All balancing adapters furnished with a 3/32" hex wrench 00938.



00565



00106



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	E
00106	B100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00107	B100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00260	B200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00262	B200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00310	B300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00311	B300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00313	B300-1C	1	2-1/4	1-1/4-16LH	-
00312	B300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
50331**	ANB300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00338	B300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00404	B400-1A	2	3-3/16	1-1/4-16LH	-
00405	B400-2A	2	3-3/16	1-1/4-16RH	-
00410	B400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00412	B400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00504	B500-1A	3	4-3/16	1-1/4-16LH	-
00565	B500-1B	2 to 3	4-3/16	1-1/4-16LH	-

Use Sopko Balancing Adapters to:

- Increase productivity.
- Reduce downtime and maintenance.

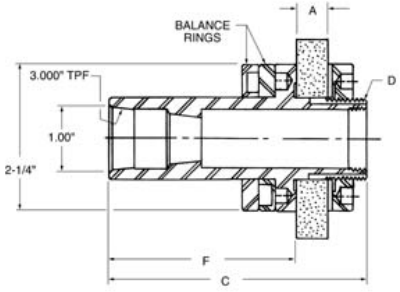
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00505	B500-2A	3	4-3/16	1-1/4-16RH	-
50305	B600-1B	3 to 4	5-3/16	1-1/4-16LH	-
50393	B1000-1A	8	9-3/16	1-1/4-16LH	-

- Produce low micro-finishes.
- Reduce wheel wear and truing frequency.
- Reduce costly spindle failures.

**Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.





00228

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	F
00228	B200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00229	B200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00244	B200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00219	B200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16

*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

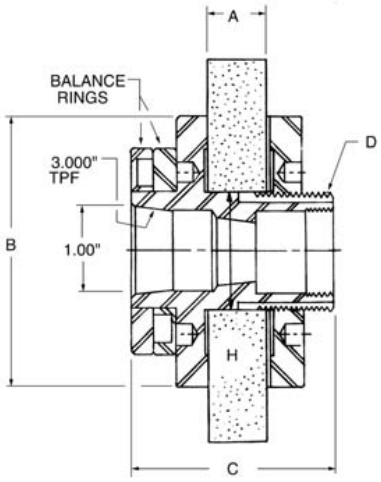
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.





00460

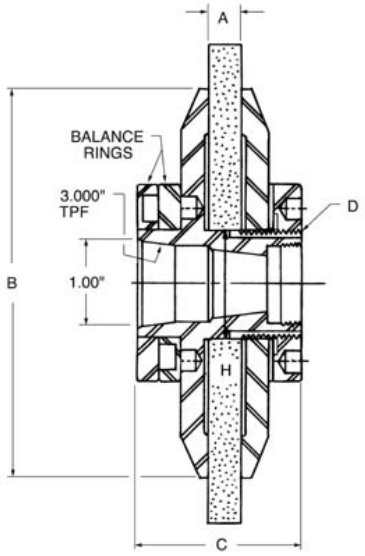
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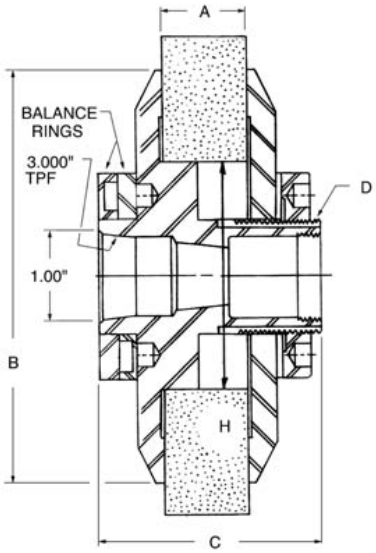
00248
(Front Side)



00251
(Taper Side)



SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000



*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Long Extended Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko LONG EXTENDED ADAPTERS are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinder applications where the operator must reach across a boss or other obstruction in order to grind. The adapters have also found wide application on cutter grinders and tap grinders.

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00203

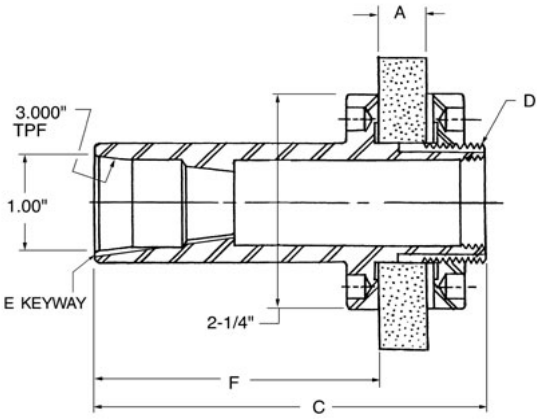


FIG. 1



00252

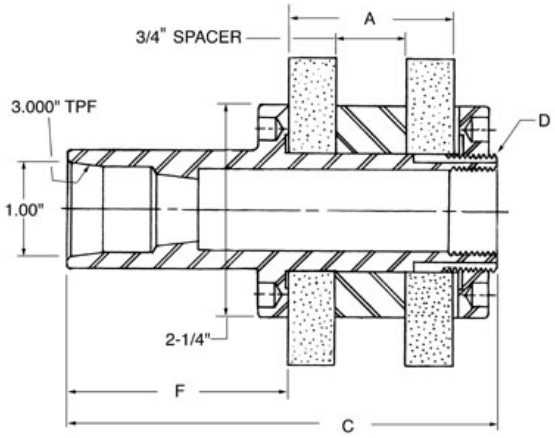


FIG. 2

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	C	D	E	F
00901	1	200-1LH-1/4	1/4 to 5/8	2	1-1/4-16LH	-	15/16
00203	1	200-1LH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	-	2-5/16
00204	1	200-2RH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	-	2-5/16
50315	1	200-1LH1-5/8KW	1/4 to 1/2	3-3/8	1-1/4-16LH	1/8	2-5/16
05256	1	200-1E-1-5/8	2-1/4	5-1/16	1-1/4-16LH	-	2-5/16
00252*	2	S200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00254	1	200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00214	1	200-1LH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	-	3-7/16
00215	1	200-2RH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	-	3-7/16

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Cup Wheel Extended Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Sopko cup wheel adapters are made with a THIN WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive wheel lock. A hardened and ground nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN UP during spindle rotation.

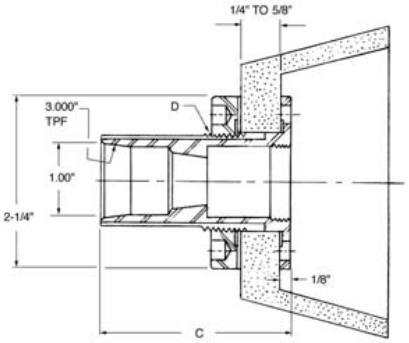




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	00263	00265	
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		C	D
00263	200-1CW	2-1/2	1-1/4-16LH
00264	200-2CW	2-1/2	1-1/4-16RH
00265	-	3-1/2	1-1/4-16LH
00266	-	3-1/2	1-1/4-16RH

*Grinding wheel not included.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Short I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All SHORT IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 1-1/4" wrench flat on the body makes installation and removal easy.

CHECK THESE FEATURES!

- ALL DIAMETERS GROUND for concentricity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- ALL COMPONENT PARTS HEAT TREATED for strength and long life.
- THREAD GROUND EXTERNAL THREADS for maximum concentricity and squareness.
- SPECIALS can be made to your requirements. Please specify wheel OD, width, and ID.


00759


00765

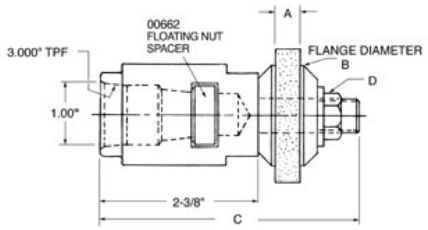

00769


00773


00775

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00759	200-3/8LH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16LH HEX
00760	200-3/8RH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16RH HEX
00761		1/2 to 3/4	2	3-7/8	3/8-16LH HEX
00762		1/2 to 3/4	2	3-7/8	3/8-16RH HEX
00763	200-1/2LH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13LH HEX
00764	200-1/2RH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13RH HEX
00765		3/8 to 5/8	2	3-7/8	1/2-13LH HEX
00766		3/8 to 5/8	2	3-7/8	1/2-13RH HEX
00769		1/2	2	3-7/8	5/8-18LH HEX
00770		1/2	2	3-7/8	5/8-18RH HEX
00773		1/2	2	4	3/4-16LH HEX
00774		1/2	2	4	3/4-16RH HEX
00775	200-1LH-S	1/2	2-1/2	4	1-20LH ROUND

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00776	200-1RH-S	1/2	2-1/2	4	1-20RH ROUND

Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16" wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

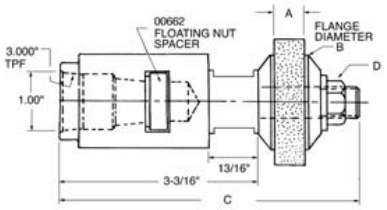


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
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CAUTION!
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Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16" wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

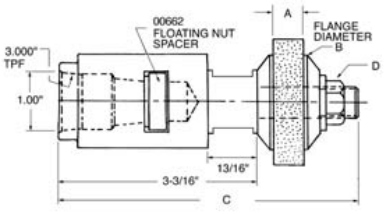


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Collet Chuck Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

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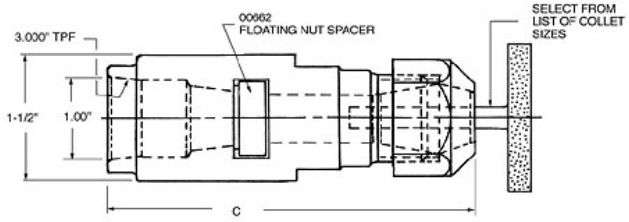
Widely used on surface grinders, the set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

THERE IS A DIFFERENCE WITH SOPKO!

- Collet Chuck Quills are ground all over for true CONCENTRICITY and BALANCE.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- Made from AMERICAN SUPERIOR QUALITY alloy steel and heat treated for optimum performance.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose angle to assure PROPER ENGAGEMENT of the grinding wheel shank.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C
00246	200-CCEA-S	2-15/16
00249	200-CCEA-L	4-15/16



6000 SERIES COLLETS** RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	**COLLET CAPACITY**
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

**Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Male Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

SHORT MALE EXTENSIONS provide increased utility because grinding wheels already mounted do not need to be dismounted. This feature is especially useful when grinding with diamond wheels. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut. A 1-1/8” wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

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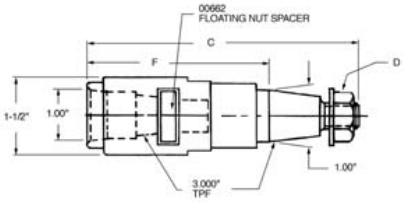


00237

LONG MALE EXTENSIONS are designed for even greater clearance possibilities with their added reach. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut.



00257



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F
00237	200-3-1/2LH	5-1/4	1/2-13LH	HEX 3-1/2
00238	200-3-1/2RH	5-1/4	1/2-13RH	HEX 3-1/2
00257	200-5LH	6-5/8	1/2-13LH	HEX 4-7/8
00258	200-5RH	6-5/8	1/2-13RH	HEX 4-7/8

* See page 76 for available hex spindle nut sizes.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Reversible Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way without redressing.

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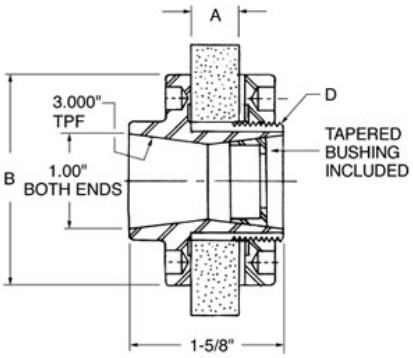
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for
  BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper and are securely locked against loosening by the wheel rotation.
- Manufactured from quality steel to withstand the rigors of daily use, then HARDENED and GROUND.

For use on all spindles having a 3.000" TPF with 1.00" diameter at large end of taper. Including: Boyar-Schultz, Bridgeport, Brown & Sharpe, DoAll, Excello, Foote Burt-Hammond, Harig, Norton, Parker Majestic, Pope, Reid, Sanford, Setco, Taft Pierce, and Whitnon.



00222

A precision ground double-taper and removable bushing make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. LH thread is standard.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00222	222RWA	1/4 to 1/2	2-1/4	1-1/4-16LH
00255	222RWA-R	1/4 to 1/2	2-1/4	1-1/4-16RH
00256	4.5-2RWA	0 to 1/2	4-1/2	1-1/4-16RH
00022	22-W	Replacement tapered bushing.		

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters For Metric Bore Wheels.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 32MM (1.217") ID WHEELS.



00174



00176

For 32MM Metric Bore Wheels

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00170



00172

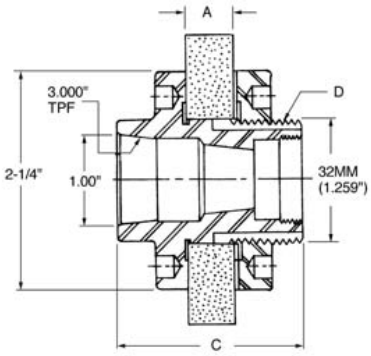


FIG. 1
For 32MM Metric Bore Wheels

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00170	1	1-100-1	1/2 to 3/4	1-7/8	1-1/4-16LH
00171	1	1-100-2	1/2 to 3/4	1-7/8	1-1/4-16RH
00172	1	2-200-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00173	1	2-200-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00174	1	3-300-1	3/4 to 1	2-1/4	1-1/4-16LH
00175	1	3-300-2	3/4 to 1	2-1/4	1-1/4-16RH
00176	2	2-230-1	1/4 to 1/2	1-3/4	1-1/4-16LH

*Other metric sizes quoted on request.

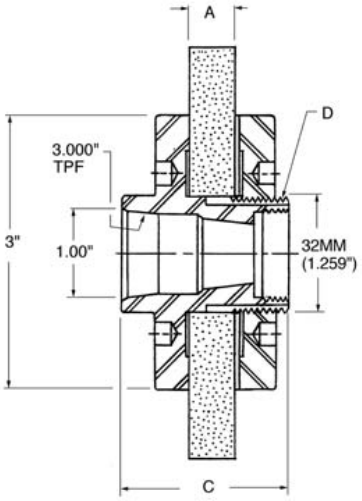


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

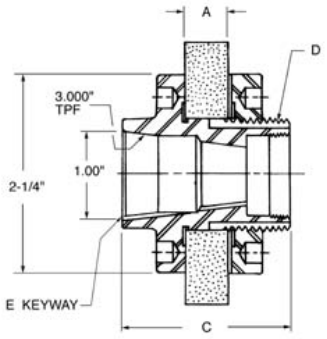
- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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00345 00348 00366

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSION A	C	D	E
00345	EN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00346	EN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00347	EN100-1C	3/4	1-7/8	1-1/4-16LH	-
00348	EN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00349	EN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00350*	ENA200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00351*	ENA200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00352**	ENK200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00353**	A2031-1	1/8 to 5/8	1-3/4	1-1/4-16LH	-
00355	EN200-1C	1/2	1-3/4	1-1/4-16LH	-
00364	EN300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00365	EN300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00368	EN300-1C	1	2-1/4	1-1/4-16LH	-
00369	EN300-2C	1	2-1/4	1-1/4-16RH	-
00356	A2031-2	3/8 to 1	2-1/4	1-1/4-16LH	-
00366	EN300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00367	EN300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00370	A2031-5	3/8 to 1-1/2	2-11/16	1-1/4-16LH	-



Electroless nickel plating available on all Sopko adapters at additional cost.
*Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.
** Keyway to face.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.
Sopko

Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.

- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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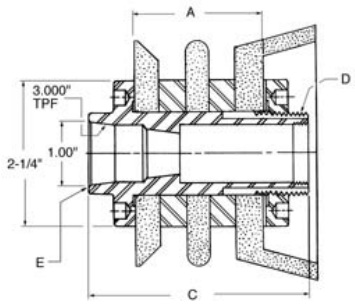


FIG. 1

00373 **00377**

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00371	1	EN400-1A	2	3-3/16	1-1/4-16LH
00372	1	EN400-2A	2	3-3/16	1-1/4-16RH
00373	1	EN400-1B	1 to 2	3-3/16	1-1/4-16LH
00374	1	EN400-2B	1 to 2	3-3/16	1-1/4-16RH
00376	1	EN500-1A	3	4-3/16	1-1/4-16LH
00377	1	EN500-1B	2 to 3	4-3/16	1-1/4-16LH
00378	1	A2031-4	1-3/4 to 3	4-3/16	1-1/4-16LH
00379	1	EN600-1A	4	5-3/16	1-1/4-16LH
00357	2	EN200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH

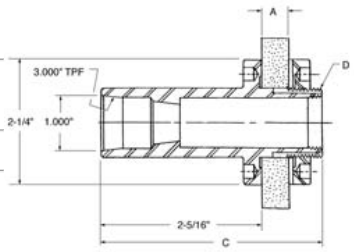


FIG. 2

Electroless nickel plating available on all Sopko adapters at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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01112



00651



00358



00360

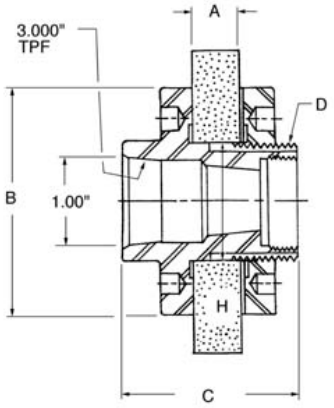


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250
00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250

Electroless nickel plating available on all Sopko adapters at additional cost.
*Balancing style adapter.

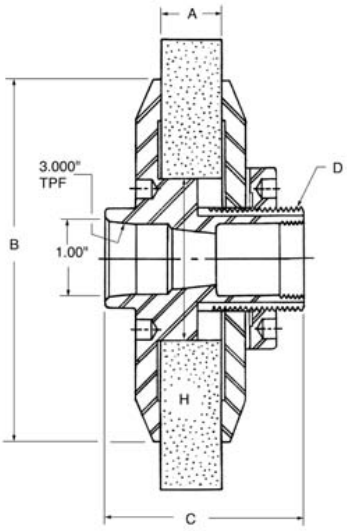


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Stainless Steel Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Made from 300 series stainless steel, and designed for applications that require the ultimate in corrosion resistance, these adapters are used widely in medical applications. They are anti-magnetic, which makes them ideal for cutting slots or grooves in magnetic materials. Hub, washer, and nut are all made from 300 series stainless steel.

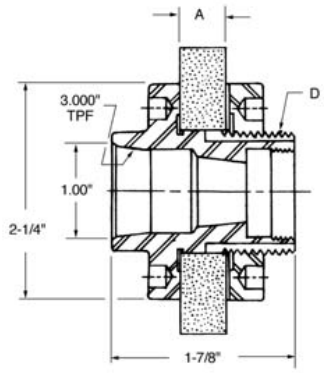
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00259



00267



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00259	SS100-1	3/8 to 3/4	1-1/4-16LH
00261	SS100-2	3/8 to 3/4	1-1/4-16RH
00211	S100/200-1	1/2 to 3/4	1-1/4-16LH
00267	SS100/200-2	1/2 to 3/4	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

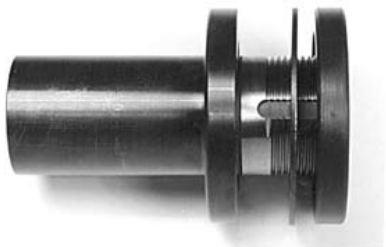
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32” Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



00719



00716

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00721

Note: 3/32" Keyway in small end of taper only

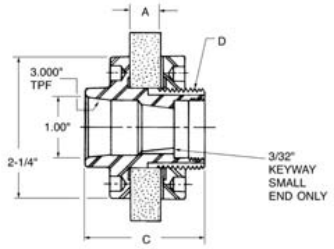


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	F
00716	1	U200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00717**	1	BU200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00718	1	U200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00719	2	U200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00720	2	U200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00721	2	U200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00423	2	U200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16
00722	1	U300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00709	1	U300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00723	1	U300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00193**	1	BU300-1	3/4 to 1	2-1/4	1-1/4-16LH	-

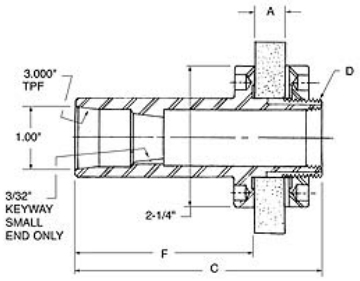


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

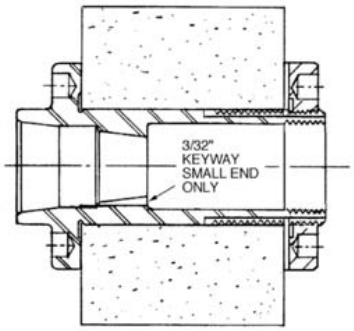
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32" Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



Note: 3/32" Keyway in small end of taper only



00725

SOPKO	SOPKO	DIMENSIONS

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CATALOG NO.	FIG.	PART NO.	A	C	D
00724	1	U400-1A	2	3-3/16	1-1/4-16LH
00725	1	U400-1B	1 to 2	3-3/16	1-1/4-16LH
00726	1	U400-2A	2	3-3/16	1-1/4-16RH
00727**	1	BU400-1B	1 to 2	3-3/16	1-1/4-16LH
00728	1	U500-1A	3	4-3/16	1-1/4-16LH
50320	1	U500-2A	3	4-3/16	1-1/4-16RH
00729	1	U500-1B	2 to 3	4-3/16	1-1/4-16LH
00730	1	U600-1A	4	5-3/16	1-1/4-16LH
00606	1	U600-1B	3 to 4	5-3/16	1-1/4-16LH
00732	2	U330-1	3/4 to 1	2-1/4	1-1/4-16LH
00733	2	U430-1A	2	3-1/4	1-1/4-16LH
00734	2	U430-1B	1 to 2	3-1/4	1-1/4-16LH

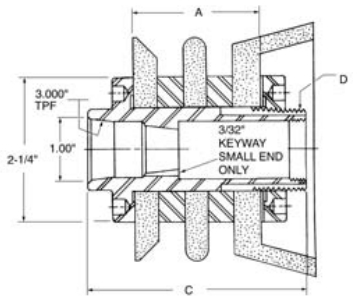


FIG. 1

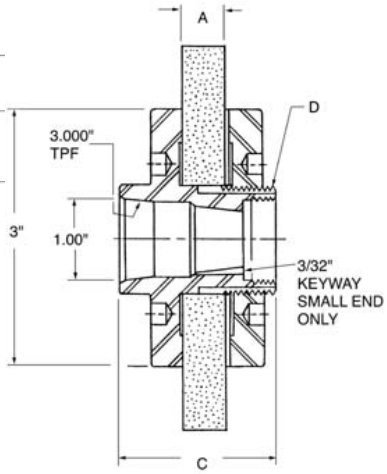


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.



00739

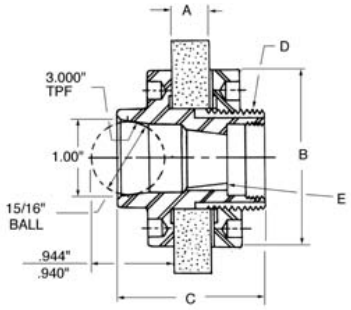


FIG. 1

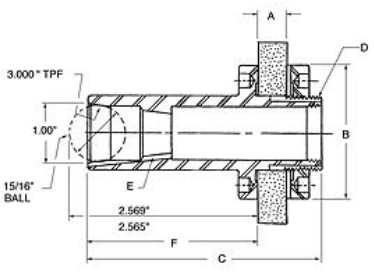


FIG. 2

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00738



00737

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

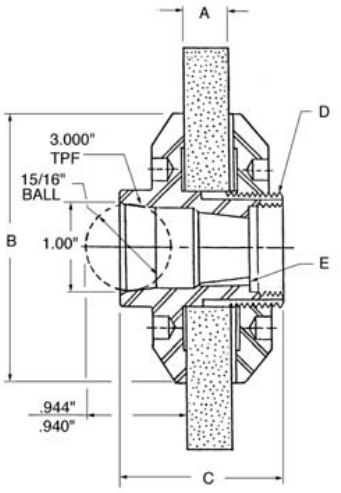


FIG. 3

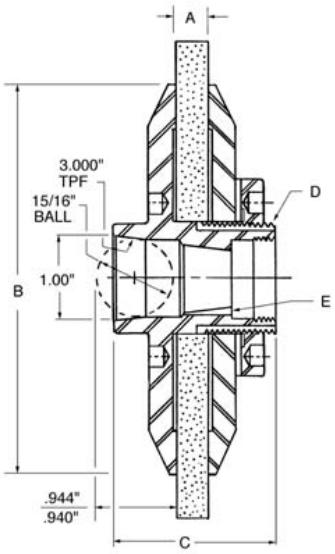


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Wheel Adapters
With Glare Gear Assembly.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The UNIQUE GRINDING WHEEL LOCKING SYSTEM that eliminates damage to grinding wheels and spindle bearings caused by hammering. Also provides best possible mounting concentricity when tightening diamond, CBN, or vitrified wheels.

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01231**



01235

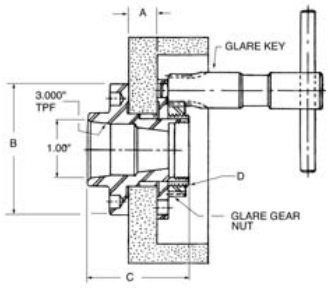


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS					
			A	B	C	D	E	F
01231	1	GG100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-	-
01232	1	GG100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-	-
01233	1	GG200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-	-
01234	1	GG200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-	-
01235	1	GG220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	-	-
01236	1	GG300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-	-
01237	1	GG300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	-	-
00159	1	GG300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	-	-
00127	1	GG400-1A	2	2-1/4	3-3/16	1-1/4-16LH	-	-
00566	1	GG400-2A	2	2-1/4	3-3/16	1-1/4-16RH	-	-
00189	1	GG400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	-	-
00417	1	GG500-1A	3	2-1/4	4-3/16	1-1/4-16LH	-	-
00462	1	GG500-2A	3	2-1/4	4-3/16	1-1/4-16RH	-	-
00704	1	GG500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	-	-
01282	3	GG200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-	2-5/16
00687	3	GG200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	-	3-7/16
00740*	2	GGU100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	3/32	-
00741*	2	GGU100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	3/32	-
00742*	2	GGU200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32	-
00743*	2	GGU200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	3/32	-
00744*	2	GGU300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	3/32	-
00745*	2	GGU300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	3/32	-
00746*	2	GGU300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	3/32	-
00747*	2	GGU400-1A	2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00748*	2	GGU400-2A	2	2-1/4	3-3/16	1-1/4-16RH	3/32	-
00194*	2	GGU400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00324*	2	GGU500-1A	3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00548*	2	GGU500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00320*	3	GGU200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/32	2-5/16
00595*	3	GGU200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3/32	3-7/16
50329*	3	GGU200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	3/32	2-5/16

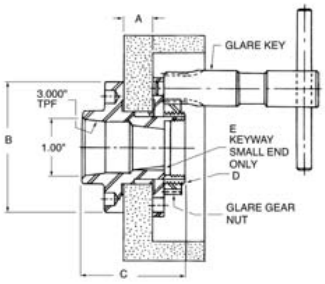


FIG. 2

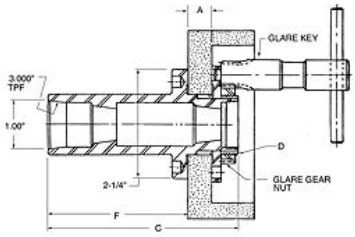


FIG. 3

See page 73 for complete selection of Glare Gear components.
Glare Gear Assemblies can be furnished with all 1-1/4" ID adapters.
List above is stocked product only.
*For grinding machines manufactured by Unison Corp., Ferndale, MI.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Pin Slot Wheel Adapters for Reversing Spindles.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.

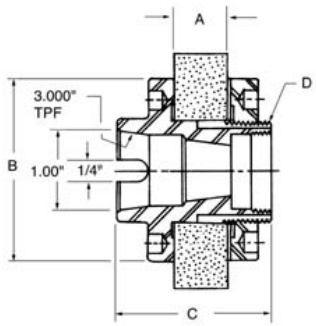


FIG. 1

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00094



00275



00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F
00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-
00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

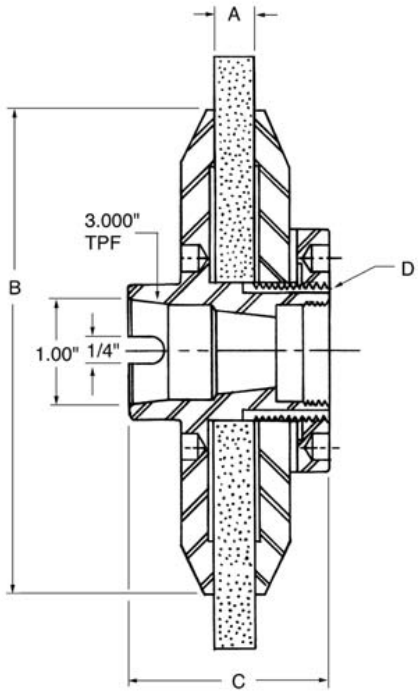


FIG. 2

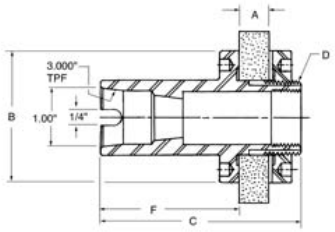


FIG. 3

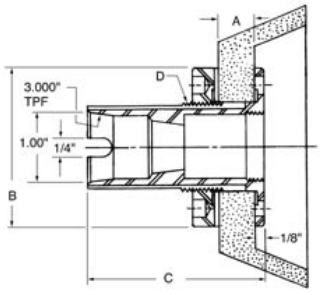


FIG. 4

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Adapters for Rockwell, Rockwell-Delta, Rockwell-Milwaukee Grinders, Harig, and Model 25 Grinder Manufactured by

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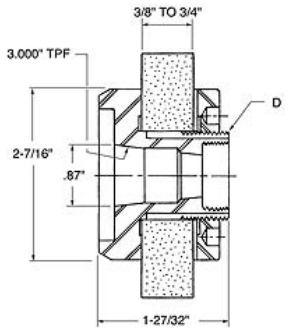
Gallmeyer & Livingston Co., Grand Rapids, MI.

3.000" TPF, 4.256" TPF, AND 4.250" TPF WITH 0.87", 1.00", AND 1.12" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Adapters for Rockwell, Rockwell-Delta, and Rockwell-Milwaukee grinders.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
00815	24-816-LH	1-1/4-16LH
00816	24-816-RH	1-1/4-16RH





00815

TML adapter for older Harig surface grinders.

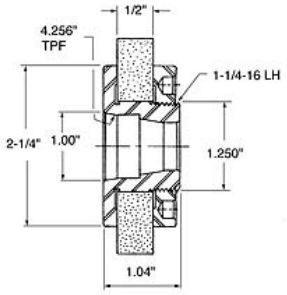
SOPKO CATALOG NO.
00169



(Front Side)



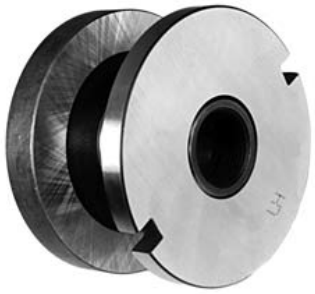
(Taper Side)



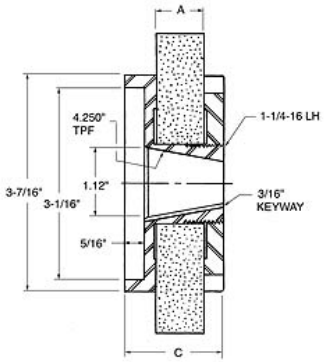
00169

The Gallmeyer & Livingston Model 25 Grand Rapids Hydraulic Feed Grinder adapters feature a SHROUDED DESIGN to keep contamination away from the spindle. State of the art THREAD GRINDING of the hub, and CONCENTRIC AND SQUARE GROUND FLANGE SURFACES provide better workpiece finishes because the grinding wheel is locked precisely against the adapter face. Lasting quality, performance, and value are optimized with HEAT TREATING and BLACK OXIDE FINISH.

SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00526	1/2 to 3/4	1-9/16
00527	1	1-7/8
00528	1 to 1-1/4	2-1/16



00528



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Flute Grinders Manufactured by Hertlein Special Tool Co., Mt. Vernon, NY.

3.000" TPF WITH 1.63" DIAMETER AT LARGE END OF TAPER.
FOR 12.000" ID WHEELS.

Starting with a precision ground internal taper, this Sopko bolt-on flange balancing adapter offers today's Hertlein CO-100 grinding professional the best in quality features. Two precisely ground flanges provide identical load-bearing surfaces for reliable grinding wheel lock and to maximize spindle driving torque. Made from pre-hardened alloy steel and finished with black oxide, the adapter is furnished with a bronze balancing weight set 00849.



(Front Side)

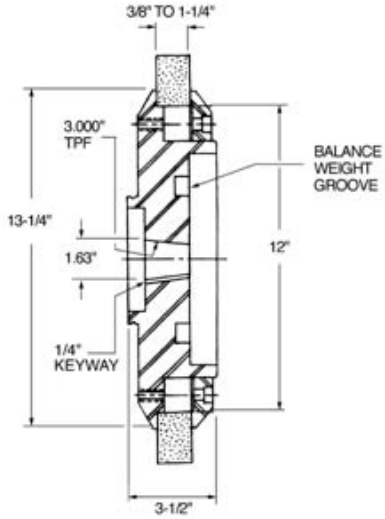
50182



(Taper Side)



01809



OPTIONAL SOCKET HEAD CAP SCREW SETS. *

WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
3/8 to 3/4	01809	3/8-16X1-3/4	8
1 to 1-1/4	01810	3/8-16X2-1/4	8

* Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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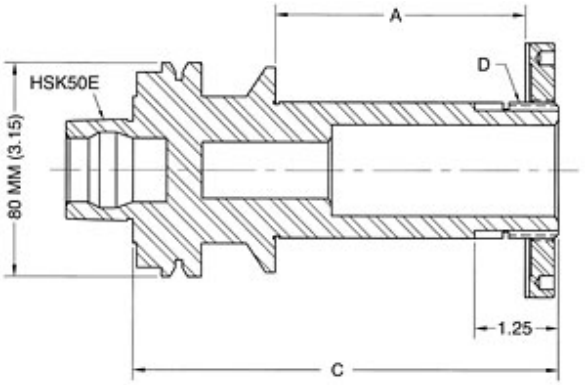
Wheel Adapters for Grinding Machines Manufactured by ANCA, Victoria, Australia.

HSK50EMOD TAPER AND 19º 05' 06" INC ANGLE TAPER WITH .85" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 2.000" ID WHEELS.

Sopko quality Anca FASTGRIND adapters are made for the operator expecting the highest standard of performance required by today's fast set-up times and short production runs. Sopko assures this standard with quality features like PRECISION GROUND TAPERS for reliable spindle mating and CONCENTRICALLY GROUND AND SQUARE surfaces to optimize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions. Every Anca adapter is furnished complete with a spindle mounting bolt, lock washer and recessed washer.



00318



SOPKO CATALOG NO.	ANCA PART NO.	A	C	D	MACHINE
50356	-	2-5/32	4-3/4	1-1/4-16RH	TGX
01137*	-	2-5/32	4-3/4	1-1/4-16RH	TGX
00318	-	3-3/8	6-11/32	2-16RH	TGX

* For cupwheel use.



00623 00624

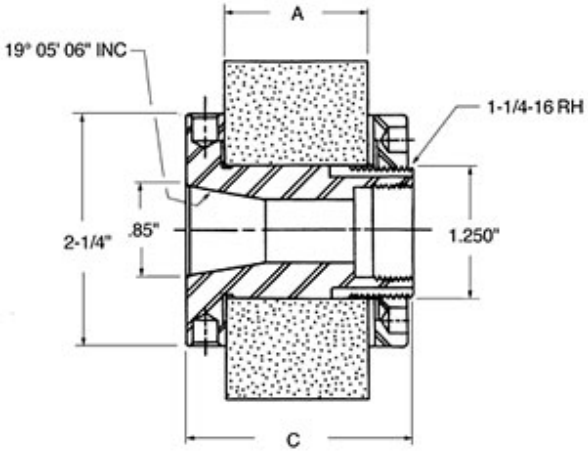


FIG.1

SOPKO CATALOG NO.	FIG.	ANCA PART NO.	DIMENSIONS		
			A	C	MACHINE
00621	1	AT901-0-00-0175	2-1/8 to 2-3/8	3-3/16	TG4
00622	1	AT901-0-00-0175-1	3-5/8	4-3/8	TG4

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00623	1	AT901-0-00-0179	1-1/8 to 1-3/8	2-3/16	TG4
00624	1	AT901-0-00-0183	1/4 to 1/2	1-5/16	TG4
00620	2	AT901-0-00-0174	1/2	4-7/8	TG4

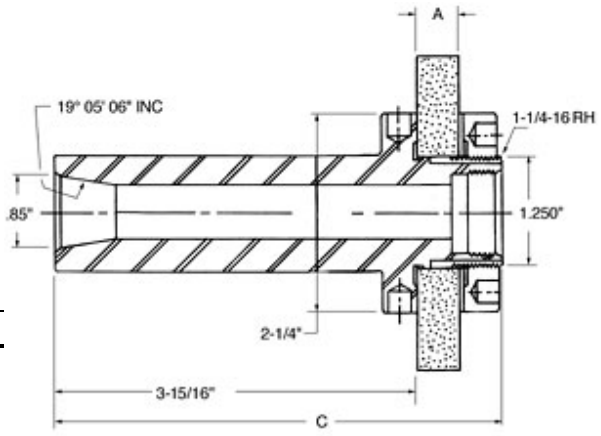


FIG.2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

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Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.



00739



00738



00737

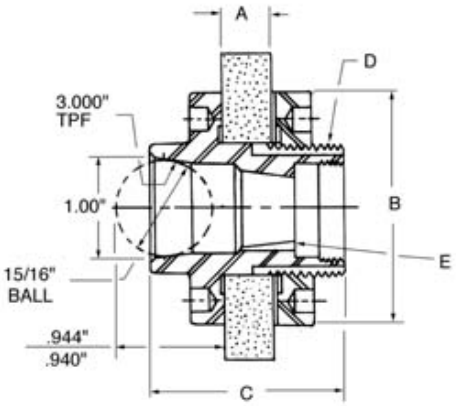


FIG. 1

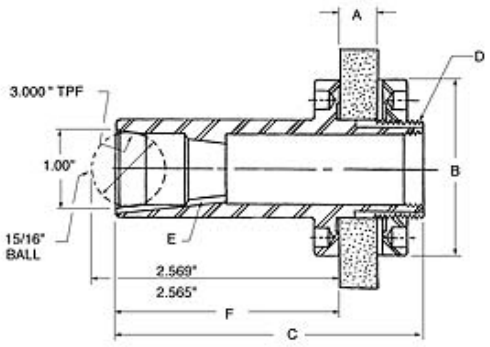


FIG. 2

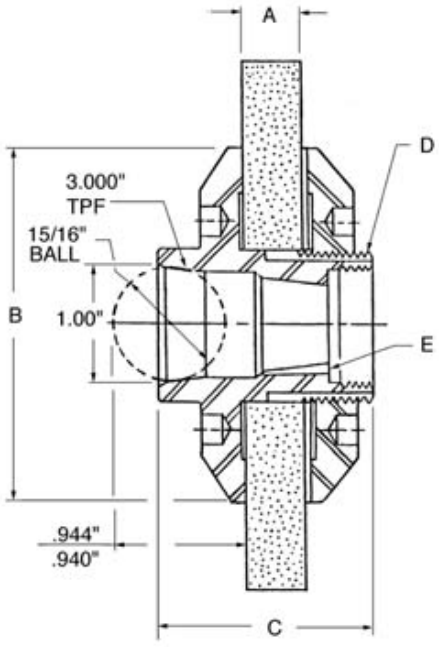


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32

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50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

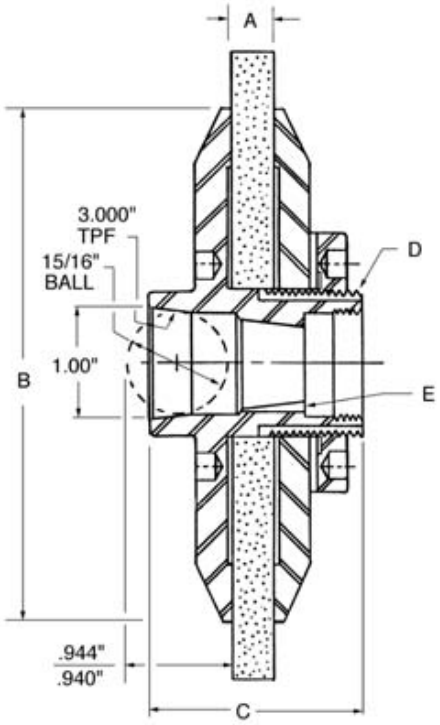


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Tool & Cutter Grinders
Manufactured by S.E. Huffman Co., Clover, SC.

3.000"TPF WITH 1.63" DIAMETER AT LARGE END OF TAPER.
FOR 2.000" ID WHEELS.

Sure we have a lot to offer...performance, value, and a tradition built by decades of competence in our field. Look no further if you've been searching for an adapter that can help maintain superlative finishes and high rates of production. Our S.E. Huffman adapter series features a PRECISION GROUND TAPER, and CONCENTRICALLY GROUND and SQUARE SURFACES to maximize cutting conditions and prolong wheel life. Safe, reliable grinding wheel lock is achieved using THREAD GROUND OD THREADS on the hub. Adapter hubs are HEAT TREATED, nuts are made from pre-heat treated alloy steel, and protected with a BLACK OXIDE finish.



50169



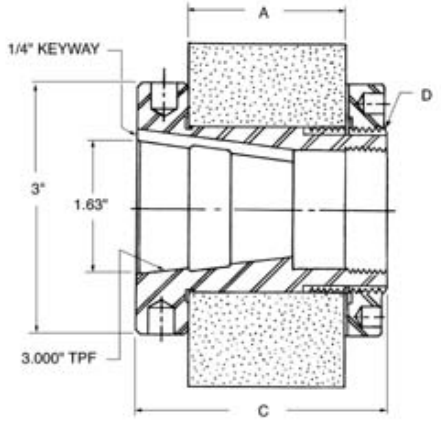
50037

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	50036		50035
SOPKO CATALOG NO.	DIMENSIONS		
	A	C	D
50035 50038	1/2 to 1 1/2 to 1	2-1/4 2-1/4	2-16LH 2-16RH
50036 50039	2 to 2-1/2 2 to 2-1/2	3-5/8 3-5/8	2-16LH 2-16RH
50049 50169	3 3	4-1/8 4-1/8	2-16LH 2-16RH
50037 50040	3 to 3-1/2 3 to 3-1/2	4-5/8 4-5/8	2-16LH 2-16RH



See page 82 for S.E. Huffman adapter puller assembly.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Jones & Shipman Grinders.

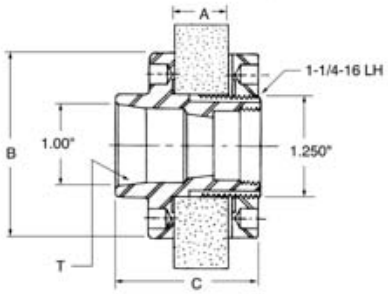
15° INC ANGLE TAPER AND 3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Jones & Shipman 540 and 1400 series surface grinder adapters feature a 15° INC** high quality PRECISION GROUND TAPER for exceptional spindle engagement. Added value is achieved with CONCENTRICALLY GROUND AND SQUARE SURFACES along with THREAD GROUND OD threads to optimize cutting conditions and prolong wheel life. All adapter hubs are CARBURIZED AND HARDENED for durability.



05314

SOPKO CATALOG NO.	DIMENSIONS			
	A	B	C	T
50136	1/4 to 3/4	2-1/4	1-7/8	15° INC **
50137	1/4 to 1/2	2-1/4	1-3/4	15° INC **
50111	1/2	3	1-3/4	15° INC **
05314	1/4 to 1/2	2-1/4	1-3/4	3.000 *



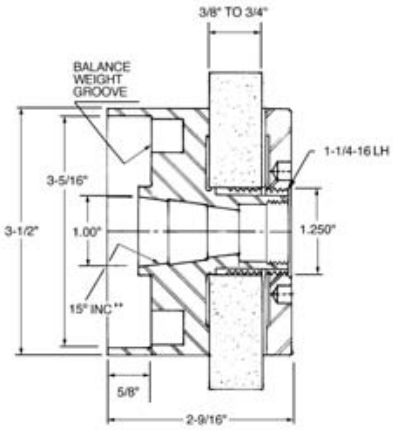
* Any 3.000" TPF, 1.00" LE adapter can be altered to taper length of 1-3/16".
** Europe and Canada only.

Now you can protect the wheelhead spindle from the harsh realities of heat, swarf, and high pressure coolants with these quality Jones & Shipman 540 and 1400 series shrouded adapters. From taper to finish Sopko has designed these shrouded adapters for performance with standard features like:

- High Quality Internal Tapers.
- Thread Ground OD threads.
- Heat Treated Component Parts.
- Concentric and Square Ground Surfaces.
- Black Oxide finish.



00647



SOPKO CATALOG NO.
00647†
00907

** Europe and Canada only.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

† Includes three piece bronze balancing weight set 00861.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

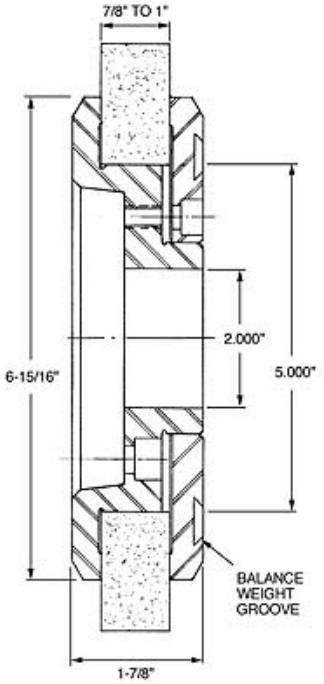
Wheel Adapters for Jones & Shipman Grinders.

FOR 13° 43’ 08” INC ANGLE TAPER* AND 2" STRAIGHT BORE WITH 1.605" DIAMETER AT LARGE END OF TAPER. FOR 5.000" ID WHEELS.

A tradition of quality manufacturing makes this Jones and Shipman series 1076 straight bore bolt-on flange balancing adapter an outstanding value. Two precison ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, the adapter is furnished with a three piece steel balancing weight set 00859, three 5/16-18RH x 1/2" SHCS 05941 flange bolts.



01195
(Front Side)

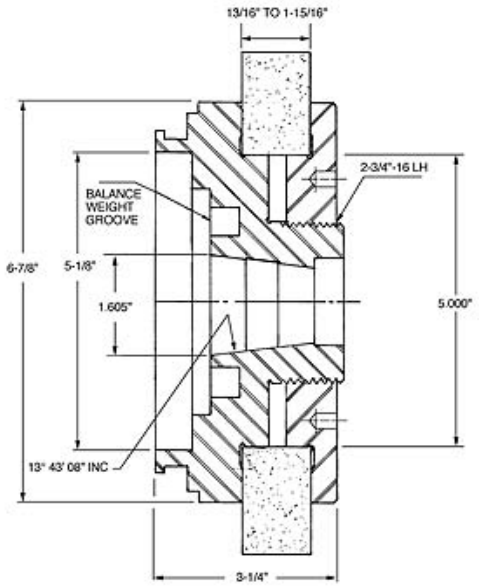


SOPKO CATALOG NO.
01195

This premium quality Jones & Shipman series 1310 universal cylindrical grinder balancing adapter features the highest quality 13° 43’ 08” INC angle internal taper for precise spindle mounting and pre-heat treated hubs and nuts for strength and long life. Precision ground surfaces and thread ground threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes. Adapter furnished with three piece bronze balancing weight set 00861.

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SOPKO CATALOG NO.
01836

01836
(Taper Side)

*Europe and Canada only.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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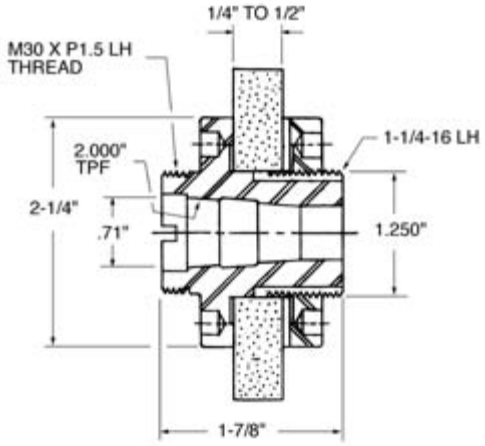
Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Wheel Adapters for Tool & Cutter Grinders Manufactured by Jungner.

2.000" TPF WITH .71" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Jungner 450 CNC tool and cutter grinder adapter.





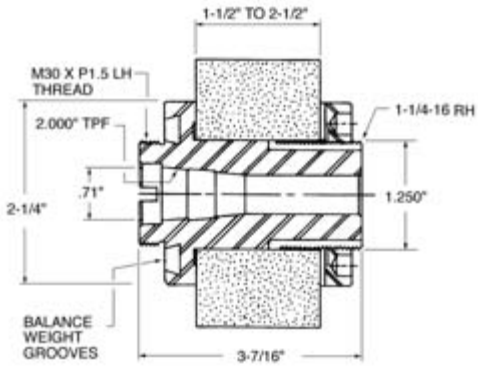
SOPKO CATALOG NO.

00690

00690
(Taper Side)

Jungner 450 CNC tool and cutter grinder adapter is furnished with a three piece steel balancing weight set 00848.





SOPKO CATALOG NO.

50130

50130

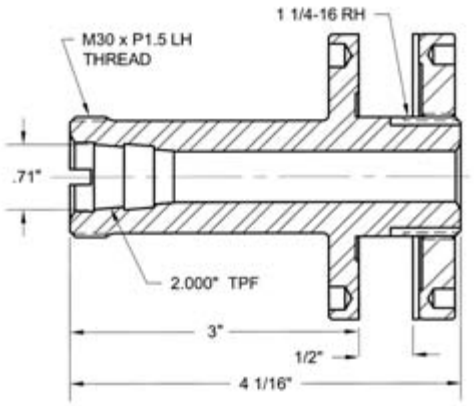
Jungner 450 CNC tool and cutter grinder extended adapter.

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SOPKO CATALOG NO.

50353





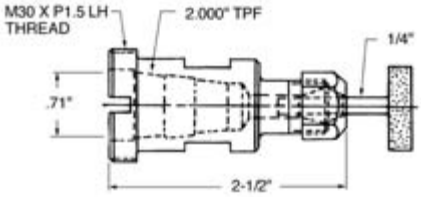
50353

Jungner 450 CNC tool and cutter grinder collet chuck arbor.
Furnished with 4000 series nut and 1/4” collet.*
A 13/16” wrench flat on the body makes installation and removal easy.

SOPKO CATALOG NO.

29911





* See page 97 for addtional 4000 series collets.

29911

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

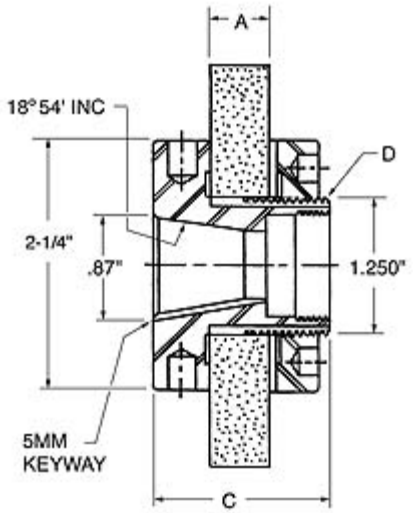
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Wheel Adapters for Older Makino (Kao Ming) Grinders.

18° 54' INC ANGLE TAPER WITH .87" DIAMETER AT LARGE END OF TAPER.*
FOR .500" AND 1.250" ID WHEELS.



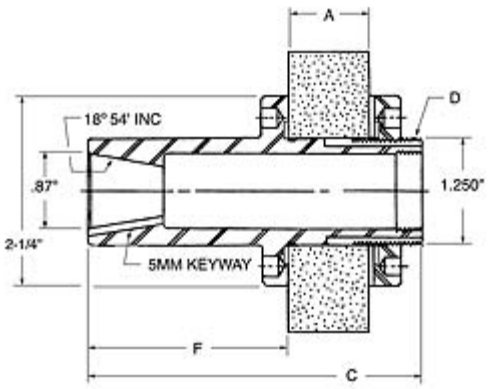
05254



SOPKO CATALOG NO.	DIMENSIONS		
	A	C	D
05254	1/2 to 3/4	1-13/16	1-1/4-16RH
05267	1/2	1-5/16	1-1/4-16RH
05273	3/4 to 1	2	1-1/4-16LH
05265	3/4 to 1	2	1-1/4-16RH



50046



SOPKO CATALOG NO.	DIMENSIONS			
	A	C	D	F
50046	3/4 to 1	3	1-1/4-16RH	1-7/16
50047	3/4 to 1	3-7/8	1-1/4-16RH	2-5/16

This older Makino ID wheel extension adapter is furnished complete with two 1-1/2” diameter flanges 00053 (F-4), a 1/2-13RH hex spindle nut 05002 (500-2), arbor 00638, and body 01837. A 3/4” wrench flat on the arbor makes installation and removal easy.

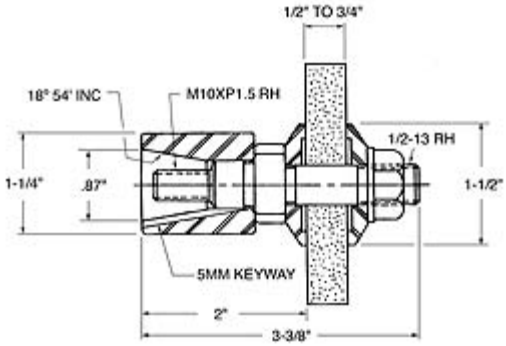
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SOPKO CATALOG NO.

05266



05266



* New Makino grinders use 4.500" TPF with .87" diameter at large end. See page 31 through 41.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

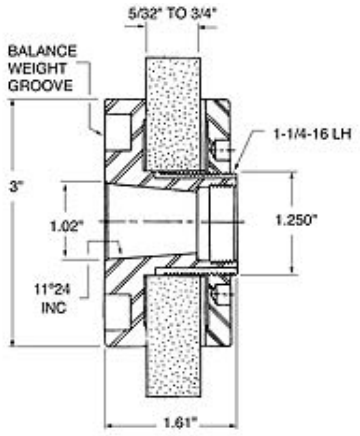
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Wheel Adapters for Kent and Norton Grinders.

11° 24' INC ANGLE TAPER AND 3.500" TPF WITH 1.02" AND 1.50" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 3.000" ID WHEELS.

The 05255 KENT BALANCING ADAPTER is furnished complete with a three piece bronze weight set 00835. Note*, some Kent grinders feature a 3.000" TPF with 1.00" diameter at the large end of taper.





SOPKO CATALOG NO.
05255

05255

*See standard taper (3.000" TPF) adapters on page 4 to 30.

The 00824 (WSG824) BALANCING ADAPTER FOR THE NORTON S-3 GRINDER will also fit the Worcester Surface Grinder and the Warner and Swasey 8x24 grinder. The adapter is furnished complete with a three piece steel balancing weight set 00836.

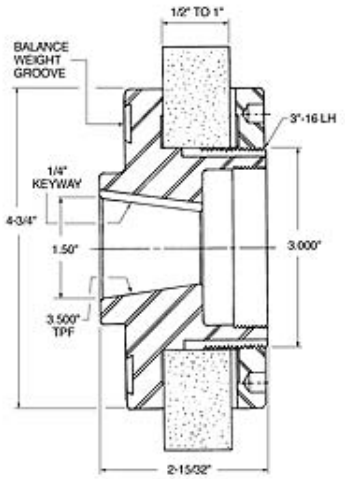


(Front Side)



00824

(Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

00824	WSG824

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Wheel Adapters for Flute Grinders Manufactured by Hertlein Special Tool Co., Mt. Vernon, NY.

3.000" TPF WITH 1.63" DIAMETER AT LARGE END OF TAPER.
FOR 12.000" ID WHEELS.

Starting with a precision ground internal taper, this Sopko bolt-on flange balancing adapter offers today's Hertlein CO-100 grinding professional the best in quality features. Two precisely ground flanges provide identical load-bearing surfaces for reliable grinding wheel lock and to maximize spindle driving torque. Made from pre-hardened alloy steel and finished with black oxide, the adapter is furnished with a bronze balancing weight set 00849.



(Front Side)

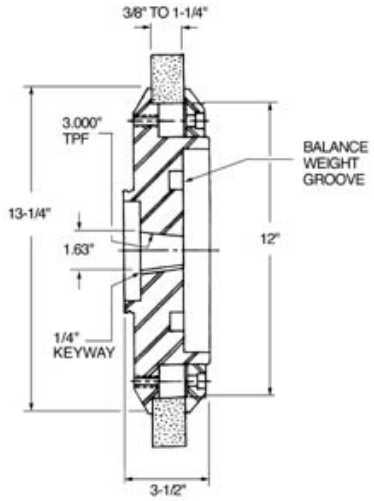
50182



(Taper Side)



01809



OPTIONAL SOCKET HEAD CAP SCREW SETS. *

WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
3/8 to 3/4	01809	3/8-16X1-3/4	8
1 to 1-1/4	01810	3/8-16X2-1/4	8

* Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

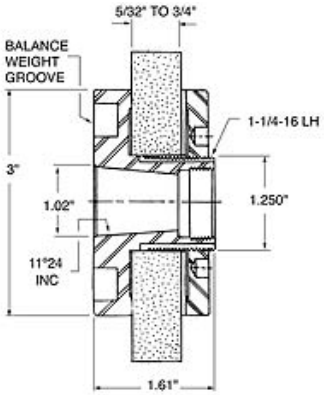
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Wheel Adapters for Kent and Norton Grinders.

11° 24' INC ANGLE TAPER AND 3.500" TPF WITH 1.02" AND 1.50" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 3.000" ID WHEELS.

The 05255 KENT BALANCING ADAPTER is furnished complete with a three piece bronze weight set 00835. Note*, some Kent grinders feature a 3.000" TPF with 1.00" diameter at the large end of taper.





05255

SOPKO CATALOG NO.
05255

*See standard taper (3.000" TPF) adapters on page 4 to 30.

The 00824 (WSG824) BALANCING ADAPTER FOR THE NORTON S-3 GRINDER will also fit the Worcester Surface Grinder and the Warner and Swasey 8x24 grinder. The adapter is furnished complete with a three piece steel balancing weight set 00836.

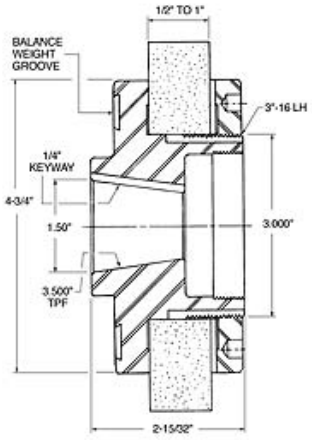


(Front Side)



00824

(Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.
00824	WSG824

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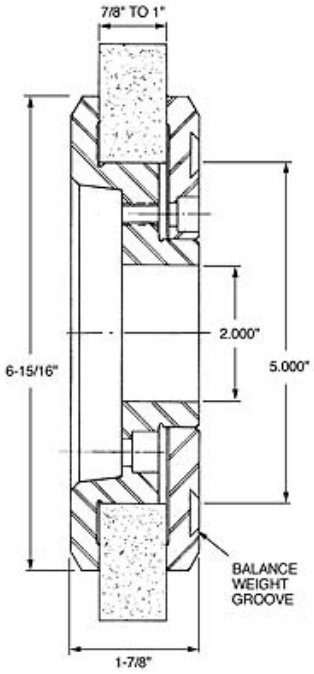
Wheel Adapters for Jones & Shipman Grinders.

FOR 13° 43’ 08” INC ANGLE TAPER* AND 2" STRAIGHT BORE WITH 1.605" DIAMETER AT LARGE END OF TAPER. FOR 5.000" ID WHEELS.

A tradition of quality manufacturing makes this Jones and Shipman series 1076 straight bore bolt-on flange balancing adapter an outstanding value. Two precison ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, the adapter is furnished with a three piece steel balancing weight set 00859, three 5/16-18RH x 1/2" SHCS 05941 flange bolts.



01195
(Front Side)

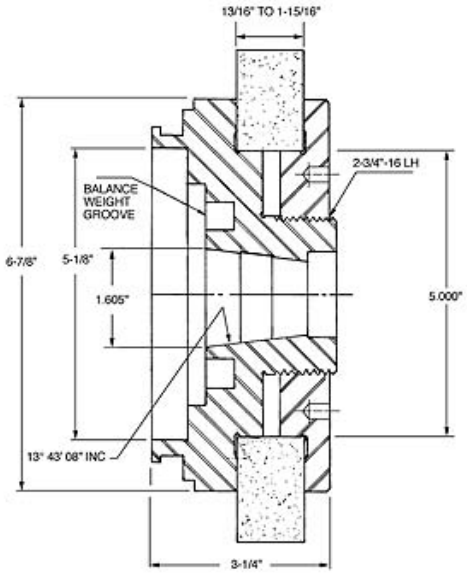


SOPKO CATALOG NO.
01195

This premium quality Jones & Shipman series 1310 universal cylindrical grinder balancing adapter features the highest quality 13° 43’ 08” INC angle internal taper for precise spindle mounting and pre-heat treated hubs and nuts for strength and long life. Precision ground surfaces and thread ground threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes. Adapter furnished with three piece bronze balancing weight set 00861.

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SOPKO CATALOG NO.
01836

01836
(Taper Side)

*Europe and Canada only.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Wheel Adapters for Okamoto DX Series Grinders.

3.000" TPF AND 1:5 TAPER RATIO WITH 1.00" AND 1.75" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 5.000" ID WHEELS.

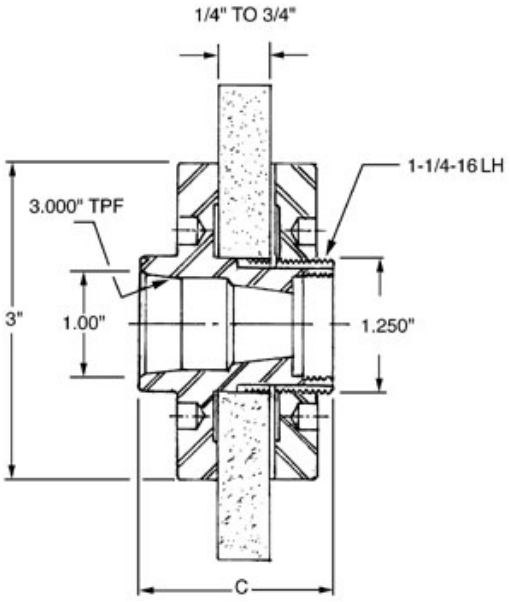
Standard adapter for 6.18DX and 8.20DX saddle type surface grinders.

SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS C
00129	A521	1-15/16
02681*	-	2-3/64

* Balancing style adapter includes weight set 00862.



00129

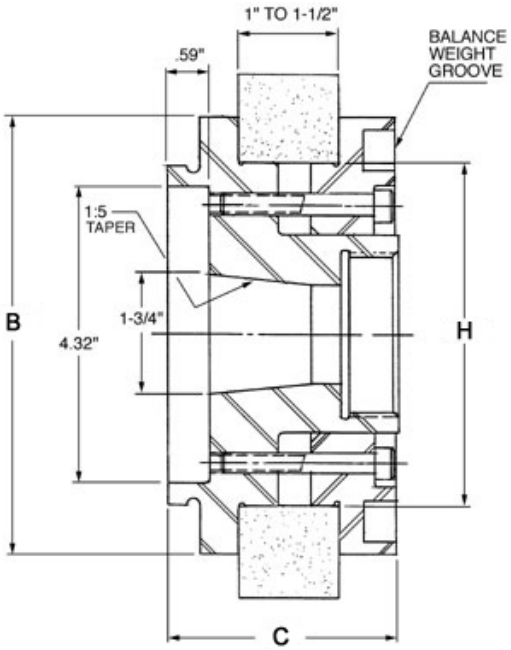


Bolt-on flange balancing adapter for 12.24DX, 16.24DX, 16.32DX, 20.24DX, 20.36DX and 20.40DX saddle type surface grinders.

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00636



SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS B	C	H
00908†	A621-3	5	3-1/4	3.000
00636**	A621-5	6-3/8	3-3/8	5.000

† Includes balancing weight set 00831 and 6 piece SHCS set 00614.
** Includes balancing weight set 00864 and 6 piece SHCS set 00614.

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
00636	27MM to 38MM (1" to 1.50")	01834	5/16-18 X 2-1/4	6
00908	1"	00614	5/16-18 X 1-1/4	6
	1-1/2"	00615	5/16-18 X 1-1/2	6

** Includes balancing weight set 00864.

Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.25” AND 1.50" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000”, AND 5.000” ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.

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01312
(Front Side)



01316
(Taper Side)

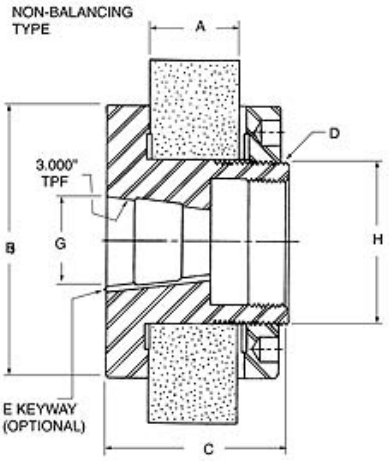


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
01312	1	5/8 to 1	3-1/2	2	2-18RH	1/4	1.25	2.000
01313	2	1/2 to 1	4-1/4	2-5/8	2-16RH	1/4	1.25	2.000
01316	2	1/2 to 1	4-1/4	2-3/4	3-16RH	1/4	1.25	3.000
01317	2	1/2 to 1	4-1/4	2-3/4	3-16LH	1/4	1.25	3.000
01318	2	3/4 to 2	5	3-3/8	3-16LH	-	1.50	3.000
01319	2	3/4 to 2	5	3-3/8	3-16RH	-	1.50	3.000
01320	2	1	6	3-3/8	4-16LH	-	1.50	4.000
01321	2	1	6	3-3/8	4-16RH	-	1.50	4.000
01322	2	3/4 to 2	7	3-3/8	5-16LH	-	1.50	5.000
01323	2	3/4 to 2	7	3-3/8	5-16RH	-	1.50	5.000

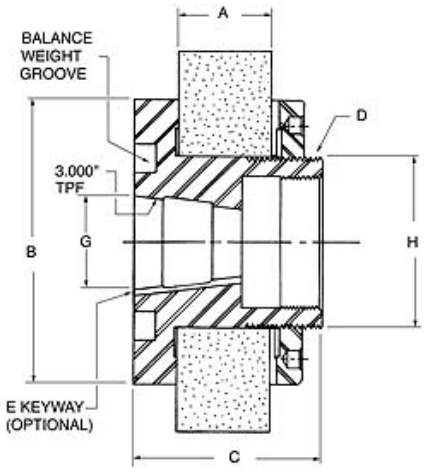


FIG. 2

00838	Three piece bronze balancing weight set for 01318, 01319, 01320, 01321, 01322, 01323
00830	Three piece bronze balancing weight set for 01312, 01316, 01317.
00832	Three piece bronze balancing weight set for 01313.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.



00830

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 2.000”, 3.000", 4.000", AND 5.000" ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.

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01337

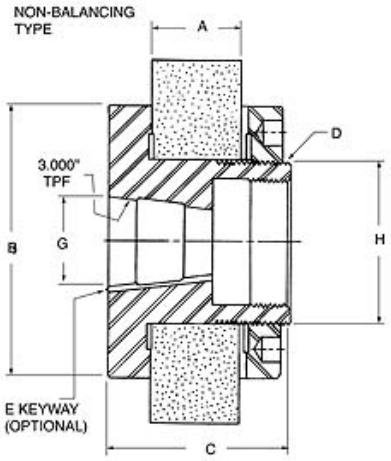


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
50328	2	1 to 1-1/2	5	3-1/4	3-16LH	1/4	1.62	3.000
01330	2	1-1/4 to 2	5	3-9/16	3-16LH	1/4	1.62	3.000
01324	2	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01325	1	1-1/4 to 2	5	3-9/16	2-16LH	1/4	1.62	2.000
01326	1	1-1/4 to 2	5	3-3/8	3-16RH	1/4	1.62	3.000
01327	2	3/4 to 2	5	3-3/8	3-16LH	-	1.62	3.000
01328	2	3/4 to 2	5	3-3/8	3-16RH	-	1.62	3.000
01329	1	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01332 *	2	1-1/4 to 2	7	3-9/16	3-16LH	1/4	1.62	3.000
01331 *	2	1-1/4 to 2	7	3-9/16	3-16RH	1/4	1.62	3.000
01333	2	3/4 to 2	6	3-3/8	4-16LH	-	1.62	4.000
01334	2	3/4 to 2	6	3-3/8	4-16RH	-	1.62	4.000
01335	2	3/4 to 2	7	3-3/8	5-16LH	-	1.62	5.000
01336	2	3/4 to 2	7	3-3/8	5-16RH	-	1.62	5.000
01337	2	1 to 2-1/2	5	4-1/4	3-16RH	1/4	2.25	3.000
01338	2	1 to 2-1/2	5	4-1/4	3-16LH	1/4	2.25	3.000
01339 *	2	1 to 2-1/2	7	4-1/4	3-16RH	1/4	2.25	3.000
01340 *	2	1 to 2-1/2	7	4-1/4	3-16LH	1/4	2.25	3.000

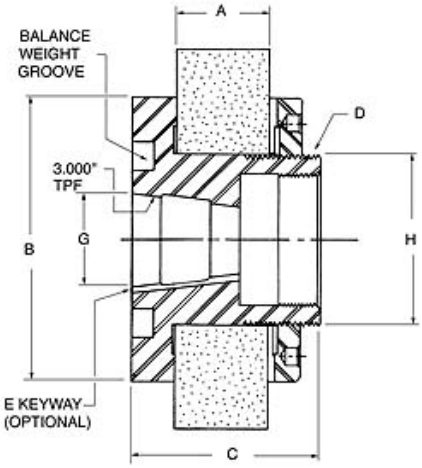


FIG. 2

00831	Three piece bronze balancing weight set for 01324, 01330, 01331, 01332, 01337, 01338, 01339, 01340.
00834	Three piece bronze balancing weight set for 01326.



00831

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* 5" diameter nut.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000” TPF WITH 1.62” AND 2.25” DIAMETER AT LARGE END OF TAPER.
FOR 5.000” AND 8.000” ID WHEELS.

The Sopko commitment to quality makes these

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bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use.



01342

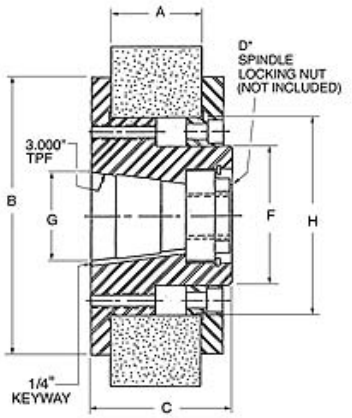


FIG. 1

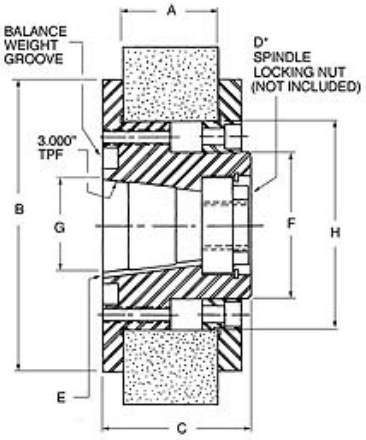


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS							SNAP RING
		A	B	C	D*	F	G	H	
01341	1	3/4 to 1-1/2	7	2-9/16	3/4-16	3-1/2	1.62	5.000	04248
01357	1	1 to 2-1/2	7	3-9/16	1-1/8-12	3-1/2	2.25	5.000	04358
01342	2	3/4 to 1-3/4	7	2-13/16	3/4-16	3-5/8	1.62	5.000	01830
01343	2	1 to 2-1/2	7	3-9/16	1-1/8-12	3-5/8	2.25	5.000	01830
01344	2	1-3/4 to 3	10	4-1/16	1-1/8-12	4	2.25	8.000	01830

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01341	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
01342	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
	1-1/2 to 1-3/4	01797	3/8-16X2-1/4	4
01343	1 to 1-1/2	01798	3/8-16X1-1/2	4
	1-3/4 to 2	01797	3/8-16X2-1/4	4
01357	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
01344	1-3/4 to 2	01797	3/8-16X2-1/4	4
	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	2-3/4 to 3	01800	3/8-16X3-1/4	4



01797



00828

00828	Three piece bronze balancing weight set for 01342 and 01343.
00826	Three piece bronze balancing weight set for 01344.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 3.000" AND 5.000" ID WHEELS.



01353 (Front Side)



01351 (Taper Side)

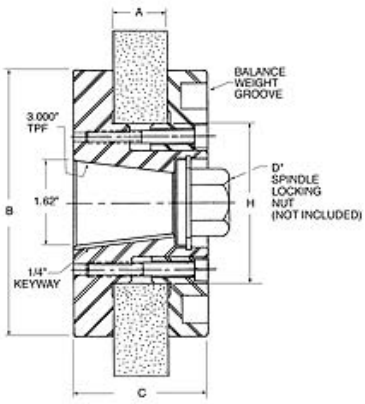


FIG. 1

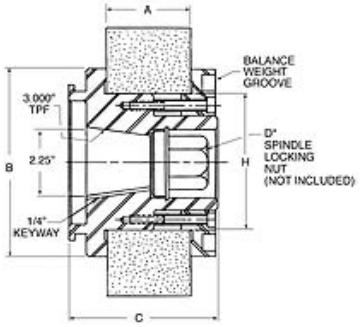


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS			
		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

OPTIONAL SOCKET HEAD CAP SCREW SETS.

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.
00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.

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Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

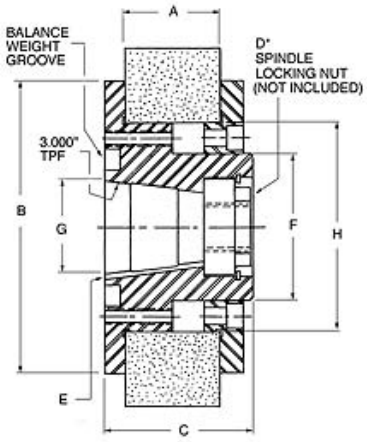
Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000" TPF WITH 2.62", 3.00" AND 3.75" DIAMETER AT LARGE END OF TAPER.
FOR 5.000", 8.000" AND 12.000" ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use. And of course, the high quality internal taper is unsurpassed for precision spindle mounting.



01345



SOPKO CATALOG NO.	DIMENSIONS								SNAP RING
	A	B	C	D*	E	F	G	H	
01345	1-1/2 to 2-3/4	7	4-3/16	1-1/2-12	1/4	3-5/8	2.62	5.000	01830
01346	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	2.62	12.000	01830
01347	1-3/4 to 3	7	4-11/16	1-1/2-12	1/4	3-5/8	3.00	5.000	01830
01348	1-3/4 to 3	10	4-5/16	1-1/2-12	1/4	5-1/2	3.00	8.000	01830
01349	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	3.00	12.000	01830
01350	2-1/4 to 4	10	5-1/2	2-1/4-12	3/8	5-1/2	3.75	8.000	04331

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01345	1-1/2 to 2	01801	3/8-16X2-1/2	4
	2-1/4 to 2-3/4	01800	3/8-16X3-1/4	4
01346	1-3/4 to 2-1/4	01811	3/8-16X3	6
01347	2-1/2 to 3	01802	3/8-16X3-1/2	4
01349	6			
01348	1-3/4 to 2-1/4	01803	1/2-13X3	6



01801

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	2-1/2 to 3	01804	1/2-13X3-1/2	6
	2-1/4 to 2-3/4	01805	1/2-13X2-1/2	6
01350	3 to 3-1/2	01806	1/2-13X3-1/4	6
	4	01807	1/2-13X4	6



00829

00829	Three piece bronze balancing weight set for 01346 and 01349.
00826	Three piece bronze balancing weight set for 01345, 01347, 01348, and 01350.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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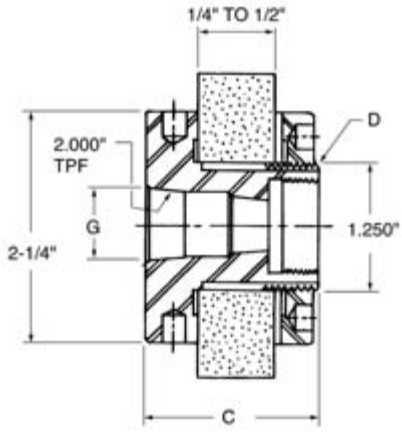
Wheel Adapters for Loewe and Levin Grinders, and Blomback and Fortuna Spindles.

2.000" TPF AND 3.000" TPF WITH .51", .57", AND .70" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The 01022 and 01023 Wheel Adapters are used on the LOEWE TO-525 OPTI-GRIND GRINDER.*



01023



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	G
01022	SA60-1	1-11/16	1-1/4-16LH	0.70
01023	SA60-2	1-11/16	1-1/4-16RH	0.70
01024	S112	1-1/8	1-1/4-16RH	0.51
50267	-	1-1/8	1-1/4-16LH	0.51

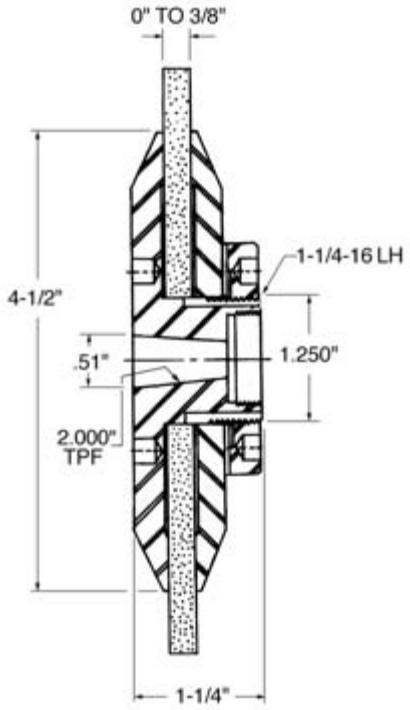
*Used with Blombach and Fortuna spindles.

The Loewe flanged adapter one piece design distributes wheel mounting pressure away from the bore, the weakest part of the grinding wheel. The resulting rigidity and the precision ground flange provides an identical radial load bearing surface for positive wheel lock. Machined from solid alloy steel, all surfaces are ground concentric and square. Completely heat treated, the Loewe flanged adapter is safe to use and maintains its rigidity.



SOPKO CATALOG NO.

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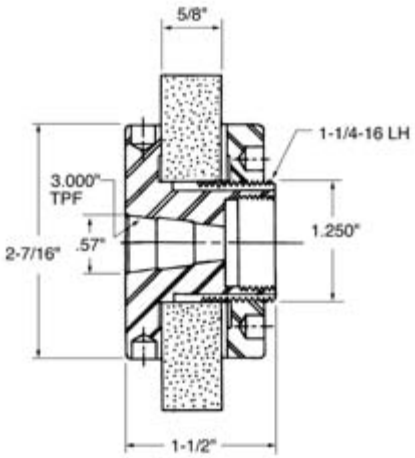


00554

00554

The 01108 Levin adapter features a high quality internal taper for a precision spindle mount and ground OD threads. All surfaces are ground square and concentric for better workpiece finish, and component parts are heat treated for strength and rigidity.





SOPKO CATALOG NO.

01108

01108

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Cincinnati Taper Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Adapter locked on spindle taper with bolt.



SOPKO CATALOG NO.	FIG	SOPKO PART NO.	DIMENSIONS A	B	C	D
00108**	1	C100-1KW	3/4 to 1	2-1/4	2	1-1/4-16LH
00253**	1	C100-2KW	3/4 to 1	2-1/4	2	1-1/4-16RH
00278*	1	C200-1KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
00239*	1	C200-2KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH
00279*	1	CX200-2KW	1/4 to 1/2	2	1-3/8	1-1/4-16RH
00407**	1	C400-1AKW	2	2-1/4	3	1-1/4-16LH
00408**	1	C400-2AKW	2	2-1/4	3	1-1/4-16RH
00409**	1	C400-1BKW	1 to 2	2-1/4	3	1-1/4-16LH
00411**	1	C400-2BKW	1 to 2	2-1/4	3	1-1/4-16RH
00282*	2	C230-1KW	1/4 to 1/2	3	1-3/8	1-1/4-16LH
00283*	2	C230-2KW	1/4 to 1/2	3	1-3/8	1-1/4-16RH
00284*	2	C235-1KW	1/4 to 1/2	3-1/2	1-3/8	1-1/4-16LH

*Spindle mounting bolt 14362 and retaining ring 04269 included.
**Includes spindle mounting bolt 14362 but no retaining groove or ring.

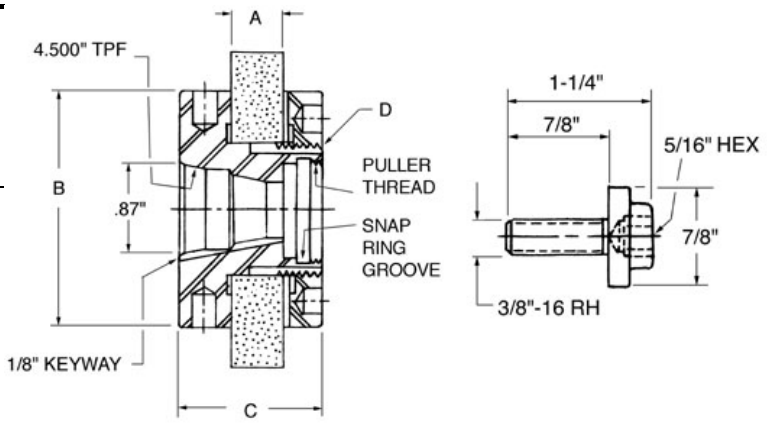


FIG.1

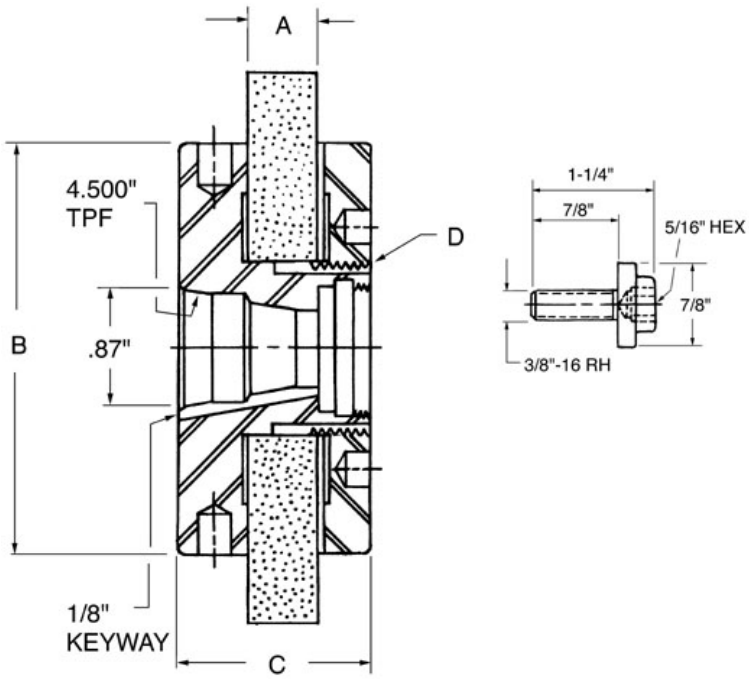


FIG.2

For older style Cincinnati flat belt, center drive spindles. No keyway in taper. Adapter locked on spindle taper with spindle nut.*



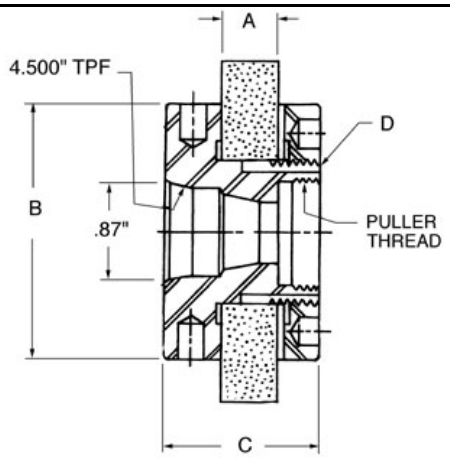


FIG.1

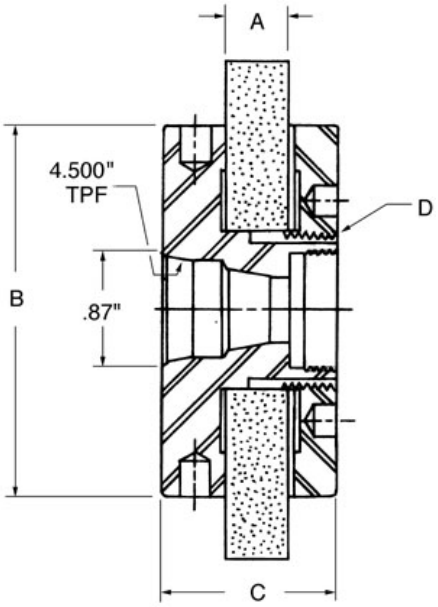
SOPKO CATALOG NO.	FIG	SOPKO PART NO.	DIMENSIONS A	B	C	D
00103	1	C100-1	3/4 to 1	2-1/4	2	1-1/4-16LH
00104	1	C100-2	3/4 to 1	2-1/4	2	1-1/4-16RH
00205	1	C200-1	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
00206	1	C200-2	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH
00280	1	C200-2C	1/2	2-1/4	1-3/8	1-1/4-16RH
00281	1	CX200-2	1/4 to 1/2	2	1-3/8	1-1/4-16RH
00442	1	C400-1A	2	2-1/4	3	1-1/4-16LH
00443	1	C400-2A	2	2-1/4	3	1-1/4-16RH
00444	1	C400-1B	1 to 2	2-1/4	3	1-1/4-16LH
00445	1	C400-2B	1 to 2	2-1/4	3	1-1/4-16RH

FIG.2

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00109	2	C130-2	3/4 to 1	3	2	1-1/4-16RH
00287	2	C230-1	1/4 to 1/2	3	1-3/8	1-1/4-16LH
00288	2	C230-2	1/4 to 1/2	3	1-3/8	1-1/4-16RH

*Spindle mounting nut not included.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

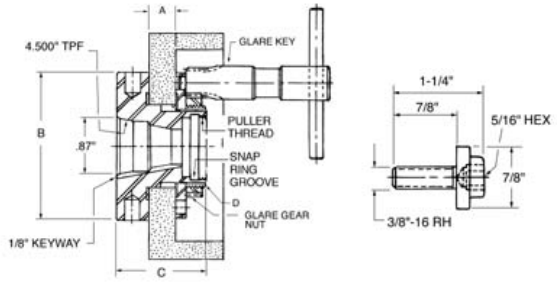
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Cincinnati Taper Wheel Adapters
With Glare Gear Assembly.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Adapter locked on spindle taper with bolt.





01116**

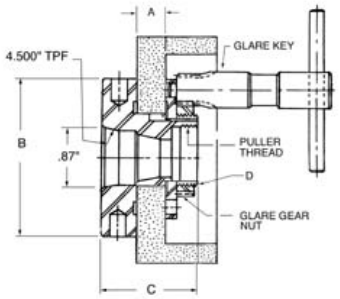
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
01125	GGC100-2KW	3/4 to 1	2-1/4	2	1-1/4-16RH
00571	GGC200-1KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
01116	GGC200-2KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH

*Spindle mounting bolt 14362 and retaining ring 04269 included.
**Grinding wheel not included.

For older style Cincinnati flat belt, center drive spindles. No keyway in taper.
Adapter locked on spindle taper with spindle nut.*

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00909**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00909	GGC200-1	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH

* Spindle mounting nut not included.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

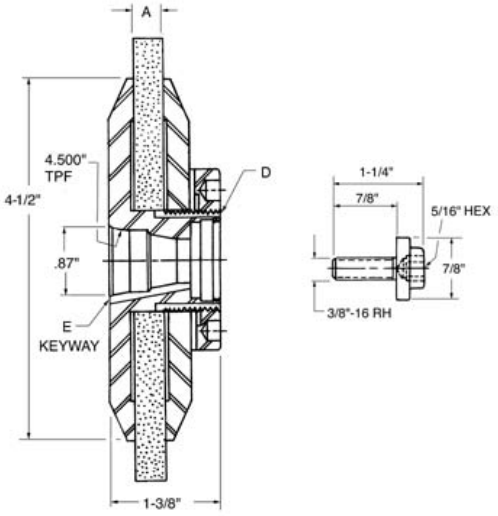
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Flanged and Cup Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

Sopko flanged adapters are machined from forged alloy steel. The resulting one-piece hub design distributes mounting pressures away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one-piece design and the precision ground flange provides identical radial load-bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.





00457

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	D	E
00446	C4.5-1	0 to 1/2	1-1/4-16LH	-
00564*	C4.5-1KW	0 to 1/2	1-1/4-16LH	1/8
00158	C4.5-2	0 to 1/2	1-1/4-16RH	-
00457*	C4.5-2KW	0 to 1/2	1-1/4-16RH	1/8

*Spindle mounting bolt 14362 and retaining ring 04269 included.

Sopko cup wheel adapters are made with a THIN-WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED, and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive lock. A hardened nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN during spindle rotation.

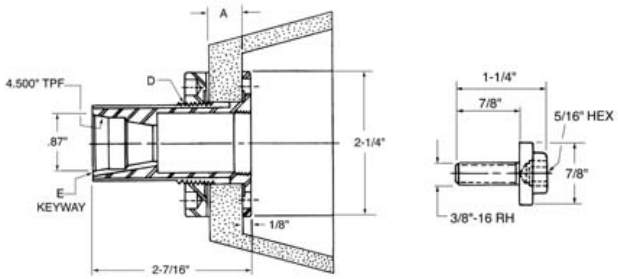
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00289 **00290†**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D	E
00289	C200-2CW	3/8 to 5/8	1-1/4-16RH	-
00290**	C200-2CWKW	3/8 to 5/8	1-1/4-16RH	1/8



** Includes spindle mounting bolt 14362 only.
†Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Cincinnati Taper Long Extended Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 OR NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

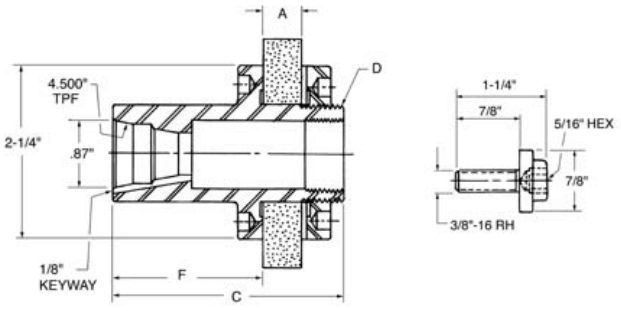
For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Cincinnati taper long extended adapters are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinding applications where the operator must reach across a boss or other obstruction. The adapters also have application on cutter grinders and tool grinders.





00242 **00243**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	F
00240*	CE200-1A	1/4 to 3/4	3	1-1/4-16LH	1-15/16
00242*	CE200-2A	1/4 to 3/4	3	1-1/4-16RH	1-15/16
00241*	CE201-1A	1/4 to 3/4	4-7/16	1-1/4-16LH	3-3/8
00243*	CE201-2A	1/4 to 3/4	4-7/16	1-1/4-16RH	3-3/8



*Includes spindle mounting bolt 14362 only.

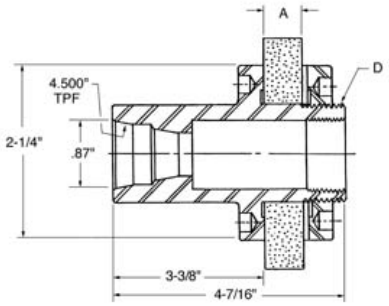
For older style Cincinnati flat belt, center drive spindles.

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00291

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00291	CE202-1A	1/4 to 3/4	1-1/4-16LH
00292	CE202-2A	1/4 to 3/4	1-1/4-16RH



Standard taper (3.000" TPF) long extended wheel adapters on page 14.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

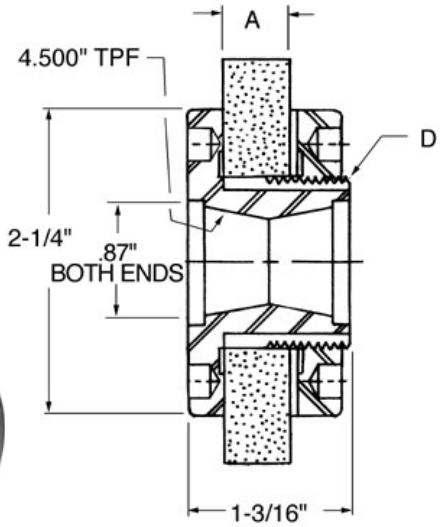
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Reversible Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way, without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper, and are securely locked against loosening by the wheel rotation. Manufactured from quality steel, then HARDENED AND GROUND to withstand the rigors of daily use.



CINCINNATI TAPER "OLD STYLE" REVERSIBLE WHEEL ADAPTER.
A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the older Cincinnati flat belt center drive spindles, the adapter comes complete with a 1/2-13LH 06074 and a 1/2-13RH 06073 slotted spindle nut.



00122

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00122	122RWA	1/4 to 1/2	1-1/4-16RH

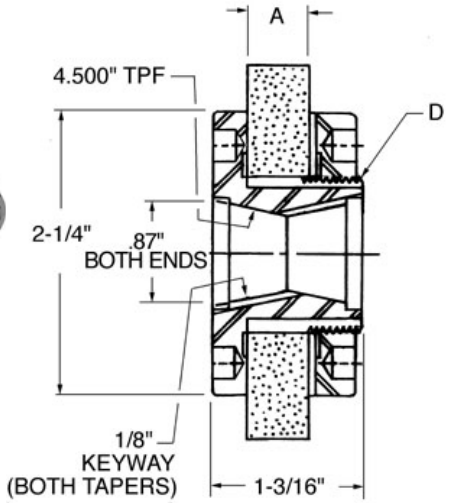
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CINCINNATI TAPER "NEW STYLE" REVERSIBLE WHEEL ADAPTER.

A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. The adapter comes complete with a 3/8-16RH mounting bolt 14362.



00123



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00123	122CRWA	1/4 to 1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Cincinnati Taper Old Style Male Extensions.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
EXTEND THE REACH OF YOUR CINCINNATI ADAPTERS.

Made for older Cincinnati flat belt, center drive spindles, these extensions offer added reach when standard adapters won't work. Increased utility is achieved because grinding wheels mounted on Cincinnati taper adapters need not be dismounted. Very useful when grinding with diamond wheels, the extensions come complete with a 1/2-13 hex spindle nut to safely secure adapters. A 1-1/16" wrench flat on the body diameter makes installation and removal easy.

TIME-SAVING FEATURES:

- PRECISION internal Cincinnati taper for RELIABLE spindle mounting.
- PRECISION external Cincinnati taper for PROPER adapter mounting.
- GROUND external threads for CONCENTRICITY and SQUARENESS.
- HEAT TREATED for strength and rigidity.

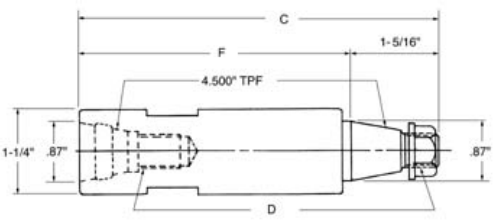


67791



73281

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F
13457	134517-LH	5-5/16	1/2-13LH	4
67791	67791-RH	5-5/16	1/2-13RH	4
00134	134515-LH	3-3/8	1/2-13LH	2-1/16
73281	73281-RH	3-3/8	1/2-13RH	2-1/16



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Cincinnati Taper New Style Male Extensions.

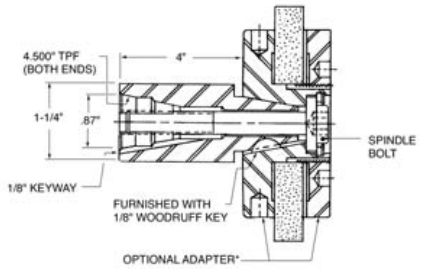
4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
EXTEND THE REACH OF YOUR CINCINNATI ADAPTERS.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this extension offers added reach for operations where regular adapters won't work. Increased utility is obtained because mounted grinding wheels need not be dismounted. Very useful when grinding with diamond wheels, the extension comes complete with a 3/8-16RH spindle bolt 15674 that runs through the body and locks the extension and wheel adapter onto the taper.



56173

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS OAL
56173	156173RH	4-13/16

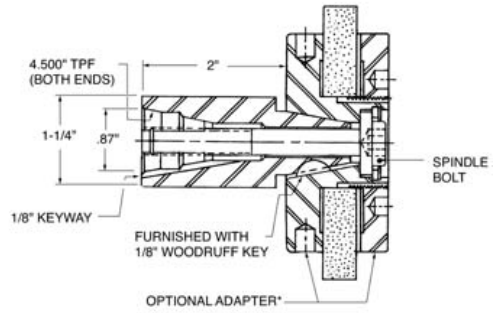


Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this extension offers the same quality features as the 56173 above but 2" shorter OAL. Furnished with 3/8-16RH spindle bolt 15671.



56172

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS OAL
56172	156172RH	2-13/16



Cincinnati Taper Collet Chuck Extension Adapters.

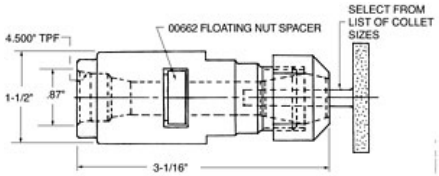
4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND THE SET-UP TIME OF A HIGH SPEED ATTACHMENT.

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THERE IS A DIFFERENCE WITH SOPKO!

- Made from superior QUALITY alloy steel and heat treated for optimum performance.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- The extension body is GROUND for concentricity.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose-angle to insure PROPER ENGAGEMENT of the grinding wheel shank.





Ideal for older Cincinnati flat belt center drive grinder spindles. The set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.

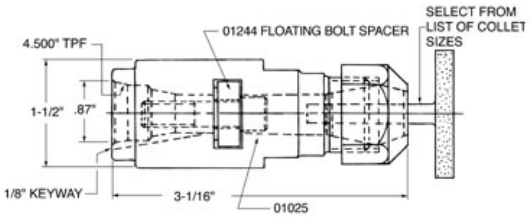
SOPKO CATALOG NO.	SOPKO PART NO.
00757	C200-CCEA

6000 SERIES COLLETS* RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	COLLET CAPACITY
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

*Additional collet sizes are available on special order.

Ideal for newer style Cincinnati grinders having direct motorized and timing belt driven spindles with a 1/8" keyway in the taper. The set includes a 1/4" 6000 series collet 59108, collet nut 59125, floating bolt spacer 01244 (FN-2), and socket head cap screw 01025 (FN-B). The bolt is dropped into the extension and through the round floating bolt spacer. In this position the bolt acts as a draw thread to pull the collet chuck extension onto the spindle taper. A 1-1/4" wrench flat on the body makes installation and removal easy.





SOPKO CATALOG NO.	SOPKO PART NO.
00679	C200-CCEA-KW

Standard taper (3.000" TPF) collet chuck extension adapters on page 18.
*Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

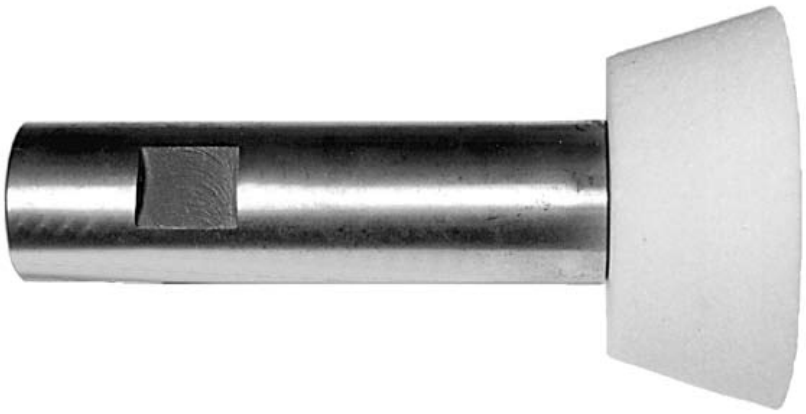
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Cincinnati Taper Old Style I.D. Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND THE SET-UP TIME OF A HIGH SPEED ATTACHMENT.

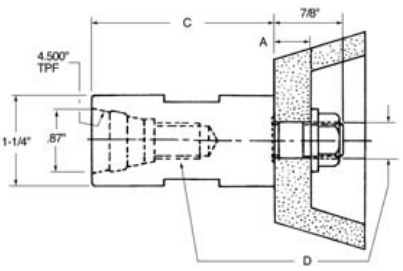
CHECK THESE FEATURES!

- GROUND diameters for CONCENTRICITY.
- HEAT TREATED for STRENGTH and SAFETY.
- PRECISION GROUND taper for RELIABLE spindle mating.
- IN STOCK for immediate shipment.



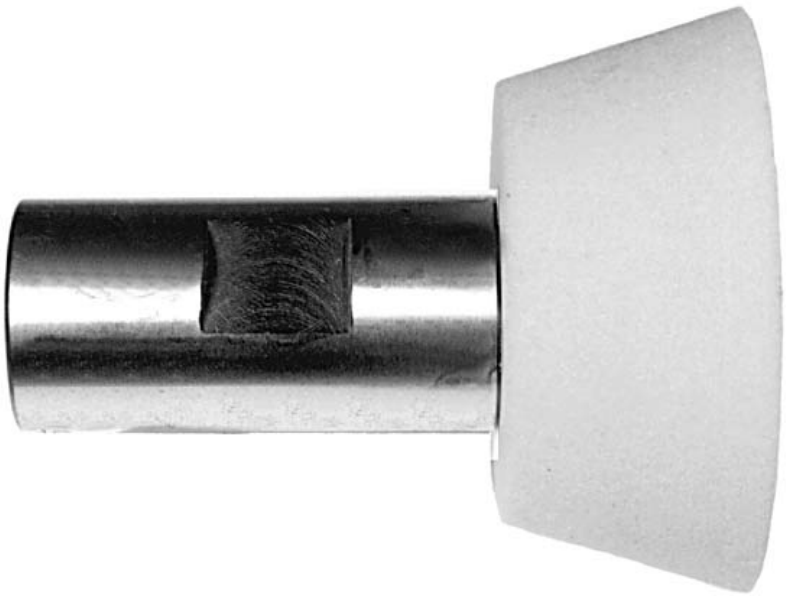
13426*

Designed for added reach, the IDWE comes complete with a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13458	134518-LH	3/8 to 1/2	4-1/2	1/2-13LH
13426	134269-RH	3/8 to 1/2	4-1/2	1/2-13RH

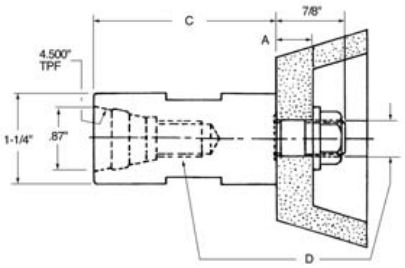
Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.



78515*

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Identical to the long series above but 2" shorter OAL. Has a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13456	134516-LH	3/8 to 1/2	2-1/2	1/2-13LH
78515	78515-RH	3/8 to 1/2	2-1/2	1/2-13RH

Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

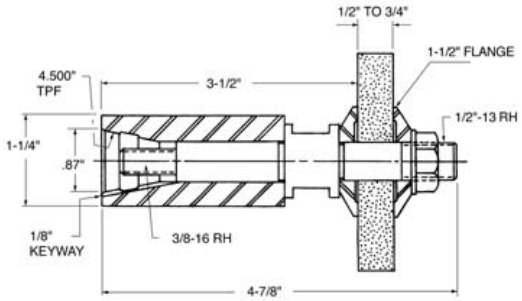
Cincinnati Taper New Style I.D. Wheel Extensions.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR .500" ID WHEELS.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. The 3/8-16RH thread on the arbor 04271 acts as a draw thread to pull the extension onto the taper and a 3/4" wrench flat makes installation and removal easy. The extension comes complete with two 1-1/2" mating side flanges 00053 (F4), a 1/2-13RH hex spindle nut 05002, and an extension body 04272.



55000



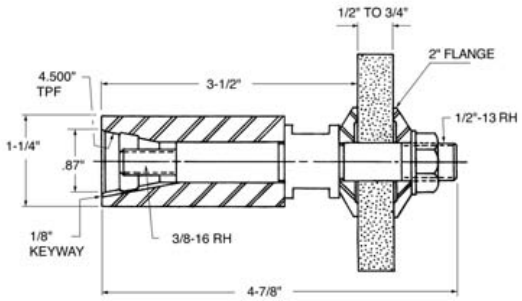
SOPKO CATALOG NO.	SOPKO PART NO.
55000	NS550

Standard taper (3.000 TPF) ID wheel extension adapters on page 16 and 17.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper and furnished with two 2" mating side flanges 00054 (F1), a 1/2-13RH hex spindle nut 05002, and an extension body 04272. The 3/8-16RH thread on the arbor 04271 acts as a draw thread to pull the extension onto the taper, and a 3/4" wrench flat makes installation and removal easy.



00483



SOPKO CATALOG NO.
00483

Standard taper (3.000 TPF) ID wheel extension adapters on page 16 and 17.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Cincinnati Taper New Style and Old Style Conversion Adapters.*

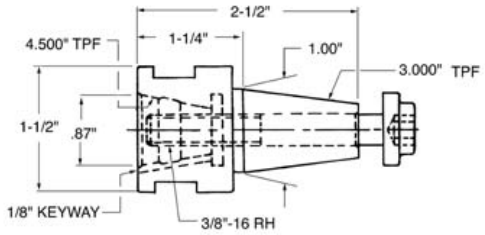
ID IS 4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
OD IS 3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
MOUNT STANDARD TAPER ADAPTERS ON CINCINNATI TAPER SPINDLES.

Designed for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this conversion adapter allows you to mount any Standard Taper (3.000" TPF) adapter to your Cincinnati Taper spindles. Furnished with special spindle mounting bolt 04249.
A 1-1/4” wrench flat on the body makes installation and removal easy.



50081

SOPKO CATALOG NO.
50081



Designed for older Cincinnati flat belt center driven spindles, this conversion adapter features a Cincinnati Taper (4.500" TPF) in the ID and a Standard Taper (3.000" TPF) on the OD.
Now you can confidently mount standard taper adapters on your Cincinnati taper spindles. Furnished with a 1/2-13 hex spindle nut. A 1-1/16” wrench flat on the body makes installation and removal easy.

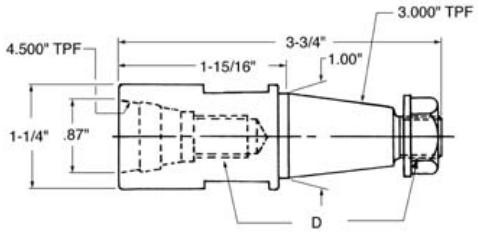


00114

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
00113	S113	1/2-13LH
00114	S114	1/2-13RH

*For additional double taper conversion quills see page 85, 86, 87, 88 and 89.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Male Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

SHORT MALE EXTENSIONS provide increased utility because grinding wheels already mounted do not need to be dismounted. This feature is especially useful when grinding with diamond wheels. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut. A 1-1/8” wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

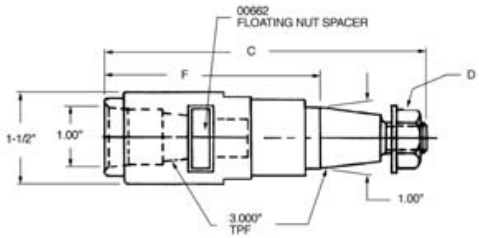


00237

LONG MALE EXTENSIONS are designed for even greater clearance possibilities with their added reach. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut.



00257



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F
00237	200-3-1/2LH	5-1/4	1/2-13LH	HEX 3-1/2
00238	200-3-1/2RH	5-1/4	1/2-13RH	HEX 3-1/2
00257	200-5LH	6-5/8	1/2-13LH	HEX 4-7/8

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00258	200-5RH	6-5/8	1/2-13RH	HEX 4-7/8

* See page 76 for available hex spindle nut sizes.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Old Style Male Extensions.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
EXTEND THE REACH OF YOUR CINCINNATI ADAPTERS.

Made for older Cincinnati flat belt, center drive spindles, these extensions offer added reach when standard adapters won't work. Increased utility is achieved because grinding wheels mounted on Cincinnati taper adapters need not be dismounted. Very useful when grinding with diamond wheels, the extensions come complete with a 1/2-13 hex spindle nut to safely secure adapters.
A 1-1/16" wrench flat on the body diameter makes installation and removal easy.

TIME-SAVING FEATURES:

- PRECISION internal Cincinnati taper for RELIABLE spindle mounting.
- PRECISION external Cincinnati taper for PROPER adapter mounting.
- GROUND external threads for CONCENTRICITY and SQUARENESS.
- HEAT TREATED for strength and rigidity.

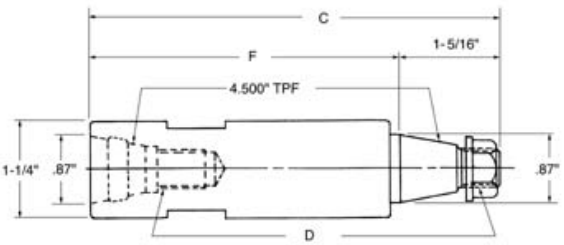


67791



73281

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C	D	F
13457	134517-LH	5-5/16	1/2-13LH	4
67791	67791-RH	5-5/16	1/2-13RH	4
00134	134515-LH	3-3/8	1/2-13LH	2-1/16
73281	73281-RH	3-3/8	1/2-13RH	2-1/16



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Cincinnati Taper New Style Male Extensions.

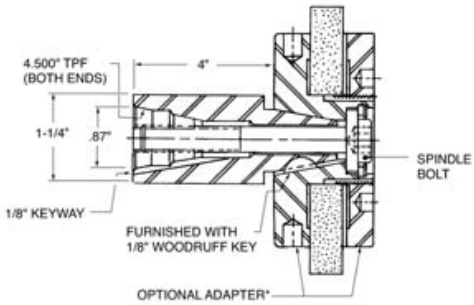
4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
EXTEND THE REACH OF YOUR CINCINNATI ADAPTERS.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this extension offers added reach for operations where regular adapters won't work. Increased utility is obtained because mounted grinding wheels need not be dismounted. Very useful when grinding with diamond wheels, the extension comes complete with a 3/8-16RH spindle bolt 15674 that runs through the body and locks the extension and wheel adapter onto the taper.



56173

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS OAL
56173	156173RH	4-13/16

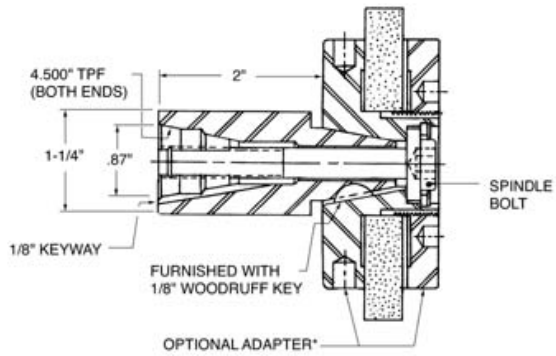


Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this extension offers the same quality features as the 56173 above but 2" shorter OAL. Furnished with 3/8-16RH spindle bolt 15671.



56172

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS OAL
56172	156172RH	2-13/16



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Standard Taper Wheel Adapters For Metric Bore Wheels.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 32MM (1.217") ID WHEELS.



00174



00176

For 32MM Metric Bore Wheels



00170



00172

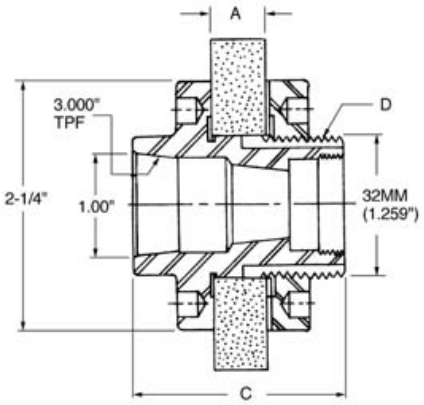


FIG. 1
For 32MM Metric Bore Wheels

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00170	1	1-100-1	1/2 to 3/4	1-7/8	1-1/4-16LH
00171	1	1-100-2	1/2 to 3/4	1-7/8	1-1/4-16RH
00172	1	2-200-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00173	1	2-200-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00174	1	3-300-1	3/4 to 1	2-1/4	1-1/4-16LH
00175	1	3-300-2	3/4 to 1	2-1/4	1-1/4-16RH
00176	2	2-230-1	1/4 to 1/2	1-3/4	1-1/4-16LH

*Other metric sizes quoted on request.

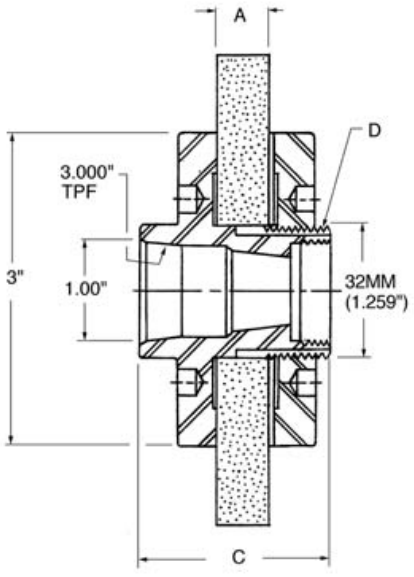


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Wheel Adapters for CNC Tool & Cutter Grinders
Mfg. by Strausak Corporation, Lohn, Switzerland.

11° 25' 16" INC ANGLE TAPER WITH 30MM (1.18”) DIAMETER AT LARGE END OF TAPER.
FOR 38MM (1.496”) AND 1.250" ID WHEELS.

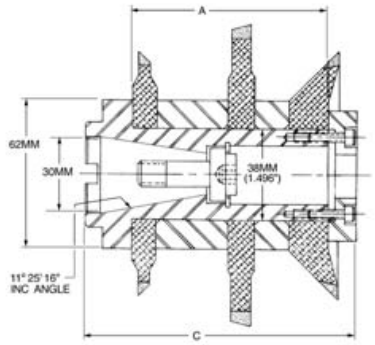
You need adapters that can handle the demanding applications that the Strausak Ecoflex CNC Tool & Cutter Grinder was designed to provide. Engineered specifically for the double ended spindle geometry of the Ecoflex system, Sopko adapters feature a bolt-on flange design that secures the wheel-pack regardless of spindle rotation. A pin-slot at the large end of the taper provides positive hub engagement for bi-directional rotation. Sopko adapters maximize the Strausak Ecoflex performance with precision ground tapers, carburized and hardened component parts for toughness, and ground, square and concentric flange faces that provide identical radial load-bearing surfaces to lock the multi-wheel-pack securely. Adapters are furnished with a M10xP1.5 draw-bolt 00037, bolt-on flange 00607, retaining ring 00486, and six M4xP.70 SHCS 01003 to clamp the flange and wheel-hub together.



(Front Side)



00383 **(Taper Side)**



SOPKO CATALOG NO.	STRAUSAK PART NO.	DIMENSIONS	
		A	C
00383	91-12-902	60MM (2.36”)	79MM (3.11”)
00382	91-12-901	80MM (3.15”)	100MM (3.94”)

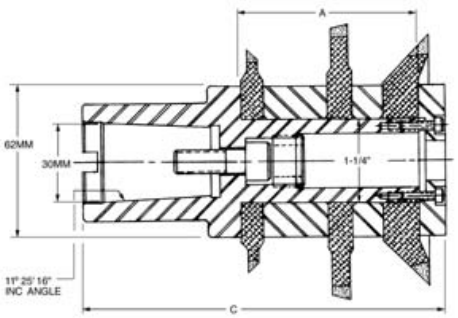
Incorporating all of the quality design features and benefits of the Strausak Ecoflex CNC Tool & Cutter adapters above, these adapters are made for 1-1/4" ID wheels. Now Strausak Ecoflex users have access to the wide variety of “standard bore”, 1-1/4" ID, wheels that are available.
Adapters are furnished with a M10XP1.5RH draw-bolt 02723, bolt-on flange 00588, 3/4-16 RH hollow set screw 02630, and six M4XP.70RH SHCS 01003 to clamp the flange and wheel-hub together.



00026
(Front Side)



00645
(Taper Side)



SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00026	60MM (2.36”)	120MM (4.72”)
00645	80MM (3.15”)	141MM (5.55”)

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

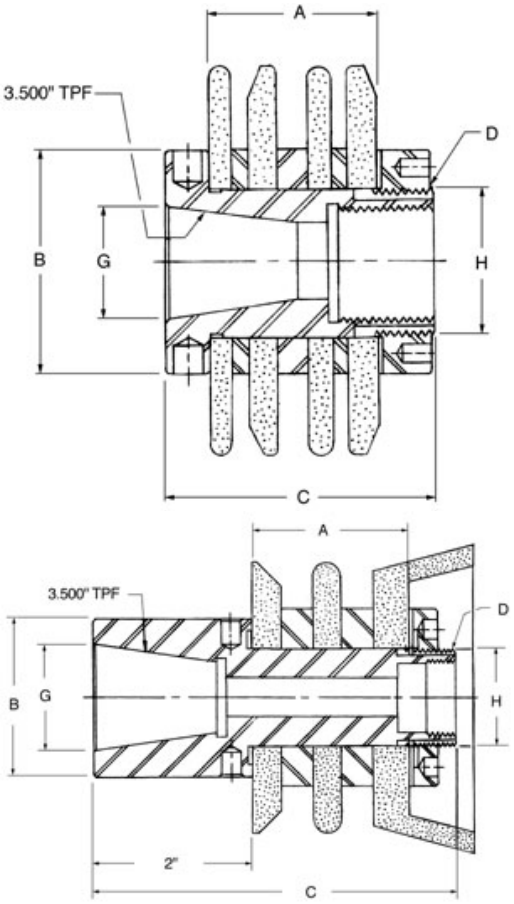
Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Wheel Adapters for Grinding Machines Manufactured by ANCA, Victoria, Australia.

3.500" TPF WITH 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 2.000" ID WHEELS.

Sopko quality Anca FASTGRIND adapters are made for the operator expecting the highest standard of performance required by today's fast set-up times and short production runs. Sopko assures this standard with quality features like PRECISION GROUND TAPERS for reliable spindle mating and CONCENTRICALLY GROUND AND SQUARE surfaces to optimize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these FASTGRIND adapters because Sopko HEAT TREATS every one. Every Anca adapter is furnished complete with a spindle mounting bolt, lock washer and recessed washer.





SOPKO CATALOG NO.	FIG.	ANCA PART NO.	DIMENSIONS A	B	C	D	G	H	MACHINE
00625	1	AT902-0-00-5026	1-1/8 to1-1/4	3	2-3/16	2-16RH	1.38	2.000	TG7/DM7
00626	1	AT902-0-00-5027	1-7/8 to 2	3	2-31/32	2-16RH	1.38	2.000	TG7/DM7
50063	1	-	2-5/8	3	3-9/16	2-16RH	1.38	2.000	TG7/DM7
00823	1	AT937-0-00-1009	3-1/4	3	4-1/8	2-16RH	1.38	2.000	TG7/DM7
00627	1	-	3-3/8 to 3-1/2	3	4-3/8	2-16RH	1.38	2.000	TG7/DM7
00822	1	AT937-0-00-1010	4-3/8	3	5-5/16	2-16RH	1.38	2.000	TG7/DM7
50163	2	AT902-0-01-5037	2	2	4.613	1-1/4-16RH	1.38	1.250	TG7/DM7
00628	1	AT913-0-00-1024	1-1/8	1-31/32	1-31/32	1-1/4-16RH	1.02	1.250	MG7/RG7
00629	1	AT913-0-00-1025	1-7/16 to 1-1/2	1-31/32	2-3/8	1-1/4-16RH	1.02	1.250	MG7/RG7
50186	1	-	2-1/8	1-31/32	3-1/32	1-1/4-16RH	1.02	1.250	MG7/RG7
50187	1	-	2-5/8	1-31/32	3-1/2	1-1/4-16RH	1.02	1.250	MG7/RG7
50188	1	-	3-1/8	1-31/32	4	1-1/4-16RH	1.02	1.250	MG7/RG7
50350*	1	-	2-1/2	3	3-7/16	2-16RH	1.02	2.000	MG7/RG7
00496**	1	AT913-2-00-1010	1-1/2 to 1-3/4	1-31/32	2-5/8	1-1/4-16RH	1.02	1.250	RGX
00521***	1	AT913-2-00-1020	2 to 2-1/2	1-31/32	3-19/64	1-1/4-16RH	1.02	1.250	RGX
00398***	1	AT913-2-00-1030	2-5/8 to 3	1-31/32	3-13/16	1-1/4-16RH	1.02	1.250	RGX
00879***	1	AT913-2-00-1040	3 to 3-3/8	1-31/32	4-7/32	1-1/4-16RH	1.02	1.250	RGX

* Allows use of 2" ID wheels on MG7/RG7 machines.

** Includes two 5MM spacers 01305, one 10MM spacer 01310, and bi-directional nut 00067.

*** Includes two 5MM spacers 01305, two 10MM spacers 01310, and bi-directional nut 00067.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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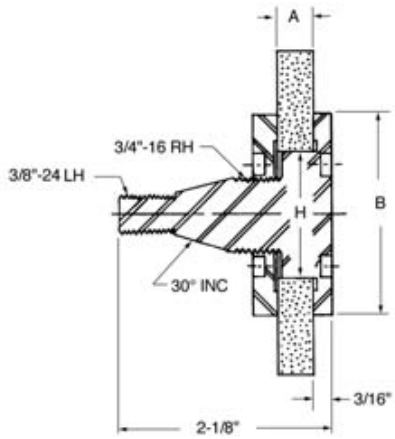
Taper Adapters for Cincinnati Monoset Grinders.

30° INC ANGLE WITH .75" DIAMETER AT LARGE END OF TAPER.
FOR .750" AND 1.250" ID WHEELS.





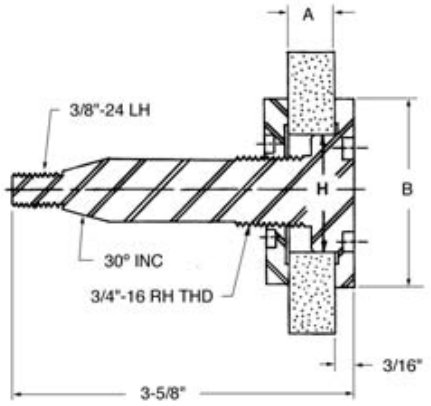
00111 **00110**



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	H
00110	S110	1/4 to 1/2	1-3/8	3/4
00111	S111	1/4 to 1/2	2	1-1/4
50122	-	3/4	2	1-1/4



00099 **00098**



Sopko LONG EXTENDED MONOSET cutter and tool grinder adapters provide added clearance by locating the grinding wheel further from the spindle nose. They are ideal for applications requiring an operator to reach across an obstruction.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	H
00099	SE110	1/4 to 1/2	1-3/8	3/4
00098	SE111	1/4 to 1/2	2	1-1/4

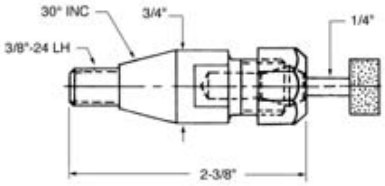
THERE IS A DIFFERENCE WITH SOPKO!

- Monoset Collet Chuck Quills are GROUND all over for CONCENTRICITY.
- PRECISION TAPERS are GROUND at both ends.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

- Made from superior QUALITY alloy steel and HEAT TREATED for optimum performance.
- The hardened collet nut has a PRECISION INTERNAL TAPER that seats PRECISELY against the collet nose angle to ensure PROPER ENGAGEMENT of the grinding wheel shank.
- Comes complete with 1/8" 20004 and 1/4" 20012 series 4000 collets, and collet nut 20013.*





*See page 97 for additional Series 4000 collet sizes.

00097

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

How did we create the Sopko legacy? Attention to detail and an unremitting commitment to quality that generations of grinding professionals have come to know as the unmatched standard of the industry. Today, customers are still asking for value, performance, and precision.
It's been nearly 50 years; we're still listening.

- HIGH QUALITY INTERNAL TAPERS for precision mounting.
- THREAD GROUND OD THREADS for maximum concentricity and squareness.
- HEAT TREATED COMPONENT PARTS for strength and reliability.
- CONCENTRIC and SQUARE GROUND SURFACES for better workpiece finishes.
- BLACK OXIDE FINISH to protect your investment.



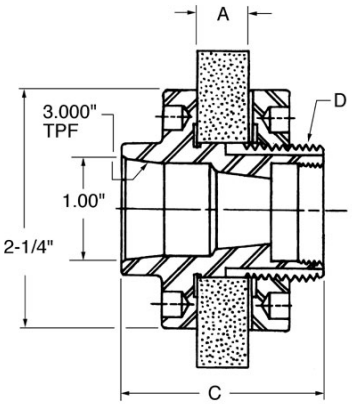


FIG. 1

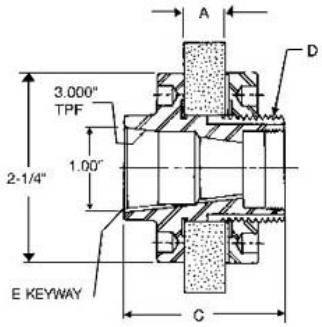


FIG. 2

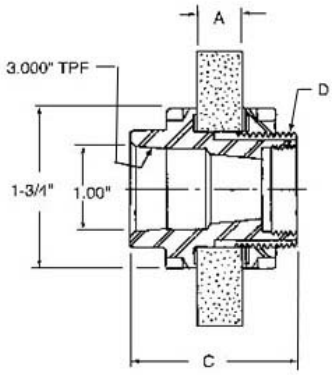


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	E
00100	1	100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00102	1	100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00105	1	100-1C	3/4	1-7/8	1-1/4-16LH	-
00101*	2	AN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	3/16
50183*	2	AN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	3/16
00112	2	KW100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	1/8
00200	1	200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00202	1	200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00208	1	K200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00216	1	K200-2	1/8 to 1/2	1-3/4	1-1/4-16RH	-
00217	1	200-1C	1/2	1-3/4	1-1/4-16LH	-
00201*	2	AN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00225*	2	AN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00226	2	KW200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	1/8
00227	2	KW200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	1/8
00300	1	300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00303*	2	AN-300-1	3/4 to 1	2-1/4	1-1/4-16LH	3/16
00308*	2	AN-300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00302	1	300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00301	1	300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00304	1	300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00305	1	300-1C	1	2-1/4	1-1/4-16LH	-
00306	1	300-2C	1	2-1/4	1-1/4-16RH	-
00307	1	R300-2B	1/2 to 1-1/2	2-11/16	1-1/4-16RH	-
50319	2	KW300-1	3/4 to 1	2-1/4	1-1/4-16LH	1/8
00686	2	KW300-2	3/4 to 1	2-1/4	1-1/4-16RH	1/8
00207	3	X200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00245	3	X200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

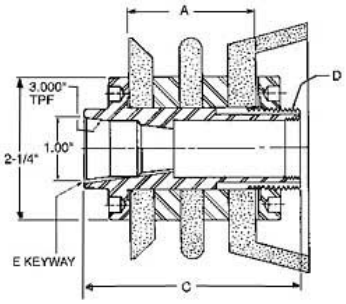
CAUTION!
Always Wear Safety Goggles When Griding.

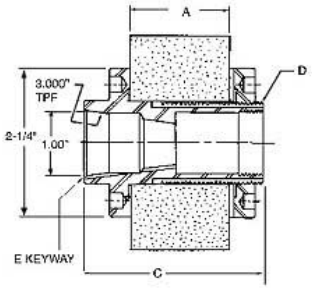
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko is more than quality products; it's quality service too. You can be sure of quick personalized service every time you call. We know you don't have a lot of time to waste listening to phone recordings. You'll be talking to real people with answers to your grinding accessory needs.

- SAME DAY shipment of standard product.
- FRIENDLY and KNOWLEDGEABLE people with INFORMATION you need.
- The LARGEST STOCK of precision grinding accessories in America.
- The source for SPECIAL GRINDING ACCESSORIES made to your specifications.







SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	E
00400	400-1A	2	3-3/16	1-1/4-16LH	-
00402	400-2A	2	3-3/16	1-1/4-16RH	-
00401	400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00403	400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00406	400-1C	1-3/4 to 2	3-3/16	1-1/4-16LH	-
00415	400-2C	1-3/4 to 2	3-3/16	1-1/4-16RH	-
00327*	AN400-1B	1 to 2	3-3/16	1-1/4-16LH	3/16
00413	-	2-1/2 to 2-3/4	3-13/16	1-1/4-16LH	-
00414	-	2-1/2 to 2-5/8	3-3/4	1-1/4-16LH	-
00500	500-1A	3	4-3/16	1-1/4-16LH	-
00502	500-2A	3	4-3/16	1-1/4-16RH	-
00501	500-1B	2 to 3	4-3/16	1-1/4-16LH	-
00503	500-2B	2 to 3	4-3/16	1-1/4-16RH	-
00506	500-1C	1-1/2 to 3	4-3/16	1-1/4-16LH	-
00600	600-1A	4	5-3/16	1-1/4-16LH	-
00602	600-2A	4	5-3/16	1-1/4-16RH	-
00601	600-1B	3 to 4	5-3/16	1-1/4-16LH	-
00604	600-2B	3 to 4	5-3/16	1-1/4-16RH	-
00605	600-1C	3-5/8 to 4	5-3/16	1-1/4-16LH	-
00701	700-1B	4-1/2	5-11/16	1-1/4-16LH	-
00702	700-1C	5	6-3/16	1-1/4-16LH	-
00800	800-1A	6	7-3/16	1-1/4-16LH	-
00801	800-1B	5 to 6	7-3/16	1-1/4-16LH	-
00900	900-1A	7	8-3/16	1-1/4-16LH	-
00999	1000-1A	8	9-3/16	1-1/4-16LH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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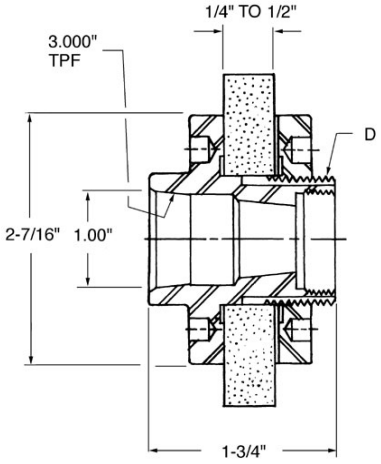
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

00220 (220-1) is the standard replacement adapter for Bridgeport-Harig and Parker PM Majestic grinding machines using 7" diameter wheels.



00220

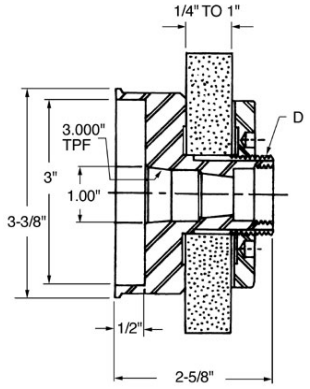


SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00220	220-1	1-1/4-16LH
00221	220-2	1-1/4-16RH

Providing optimum protection against contamination to the wheelhead spindle nose, these high-quality SHROUDED ADAPTERS are designed for performance. Sopko assures this standard with quality features like PRECISION GROUND TAPERS and CONCENTRICALLY GROUND AND SQUARE surfaces to maximize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these adapters because Sopko HEAT TREATS every one.



(Front Side) 00180 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00180	2BY-LH	1-1/4-16LH
00181	2BY-RH	1-1/4-16RH

See page 60 for Pope style shrouded adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250", 1.500", AND 2.000" ID WHEELS.

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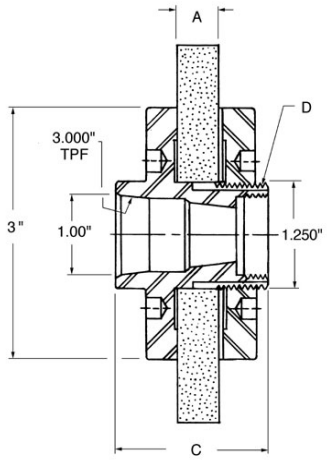


00130



00430

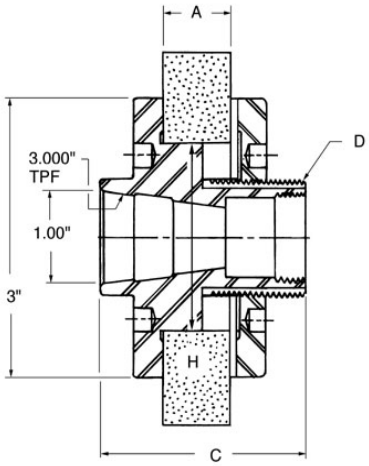
SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D
00130	130-1	3/4	1-15/16	1-1/4-16LH
00132	130-2	3/4	1-15/16	1-1/4-16RH
00230	230-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00232	230-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00330	330-1	3/4 to 1	2-1/4	1-1/4-16LH
00332	330-2	3/4 to 1	2-1/4	1-1/4-16RH
00331	330-1S	3/8 to 1	2-1/4	1-1/4-16LH
00386	330-2S	3/8 to 1	2-1/4	1-1/4-16RH
00430	430-1A	2	3-1/4	1-1/4-16LH
00432	430-2A	2	3-1/4	1-1/4-16RH
00431	430-1B	1 to 2	3-1/4	1-1/4-16LH
00433	430-2B	1 to 2	3-1/4	1-1/4-16RH
00434	430-1D	2-1/4 to 2-1/2	3-3/4	1-1/4-16LH
00435	430-1E	1-1/2 to 2	3-1/4	1-1/4-16LH





00334

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	H
00333	330-1-1.500	1/2 to 1	2-1/4	1-1/4-16LH	1.500
00334	330-1-2.000	1/2 to 1	2-1/4	1-1/4-16LH	2.000



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Play it safe with larger diameter wheels by using Sopko 3-1/2" OD wheel adapters. Manufactured with the same attention to detail, these Sopko adapters feature a high quality internal ground taper, thread ground OD threads, concentric and square ground surfaces, heat treated hub and nut with black oxide finish. Only Sopko offers all these valuable features.

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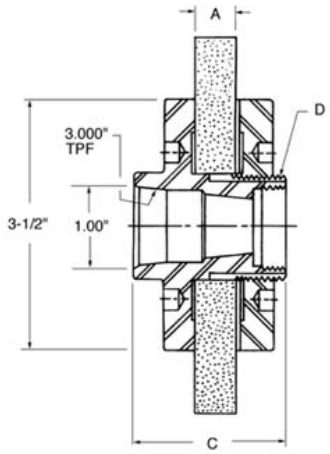


00235



00337

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
00135	135-1	3/4	1-15/16	1-1/4-16LH
00235	235-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00236	235-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00335	335-1	3/4 to 1	2-1/4	1-1/4-16LH
00336	335-2	3/4 to 1	2-1/4	1-1/4-16RH
00337	335-1B	1-1/2	2-3/4	1-1/4-16LH
00618	335-2A	1/2 to 1	2-1/4	1-1/4-16RH



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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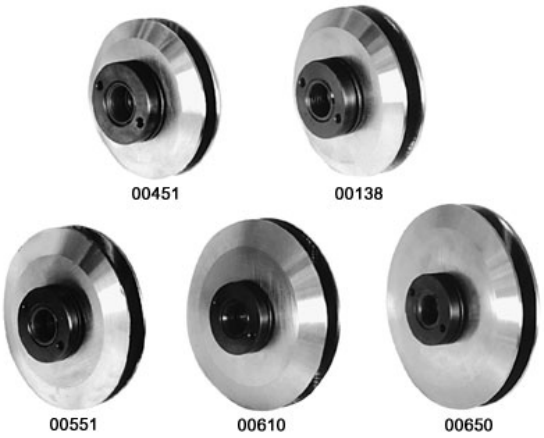
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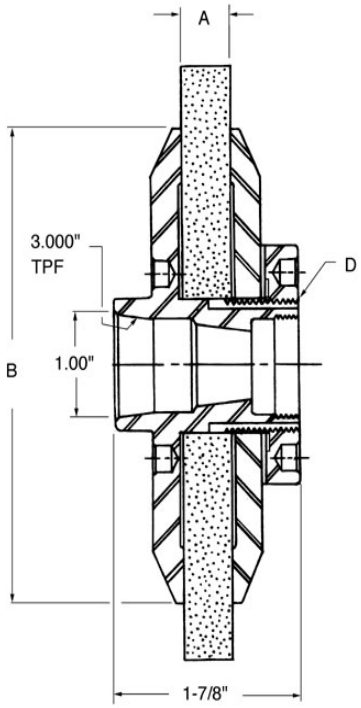
Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. DESIGNED FOR THIN CUT-OFF WHEELS AND DIAMOND WHEELS.

Sopko flanged adapters are machined from alloy steel. The resulting one piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design, and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00451	4.5-1	0 to 1/2	4-1/2	1-1/4-16LH
00452	4.5-2	0 to 1/2	4-1/2	1-1/4-16RH
00138	5.0-1	0 to 1/2	5	1-1/4-16LH
00139	5.0-2	0 to 1/2	5	1-1/4-16RH
00551	5.5-1	0 to 1/2	5-1/2	1-1/4-16LH
00552	5.5-2	0 to 1/2	5-1/2	1-1/4-16RH
00610	6.0-1	0 to 1/2	6	1-1/4-16LH
00612	6.0-2	0 to 1/2	6	1-1/4-16RH
00650	6.5-1	0 to 1/2	6-1/2	1-1/4-16LH
00652	6.5-2	0 to 1/2	6-1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

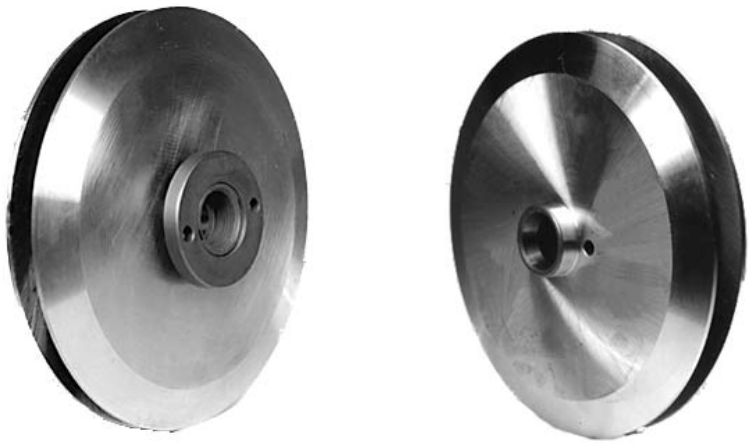
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

All the quality features you expect from Sopko are built into these larger diameter flanged wheel adapters too...

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.



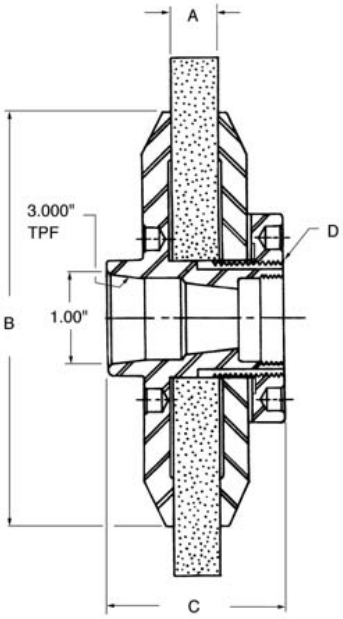
00710

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(Front Side) (Taper Side)

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00710 00712	7.0-1 7.0-2	0 to 1/2 0 to 1/2	7 7	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00750 00752	7.5-1 7.5-2	0 to 1/2 0 to 1/2	7-1/2 7-1/2	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00810 00812	8.0-1 8.0-2	0 to 1/2 0 to 1/2	8 8	2 2	1-1/4-16LH 1-1/4-16RH

See page 74 for available flanges.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.* FOR 2.000" AND 3.000" ID WHEELS.

Now you can extend the useful working life of 2.000" and 3.000" ID grinding wheels. There is no need to waste money by throwing worn wheels away. Extend wheel life, use Sopko 4-1/2" flanged diameter wheel adapters! Machined from forged alloy steel, the one-piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

All the quality features you expect from Sopko are built into these flanged wheel adapters for 2.000" ID and 3.000" ID grinding wheels.

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.
- Not for larger surface grinders (taper is 1.00" at LE).

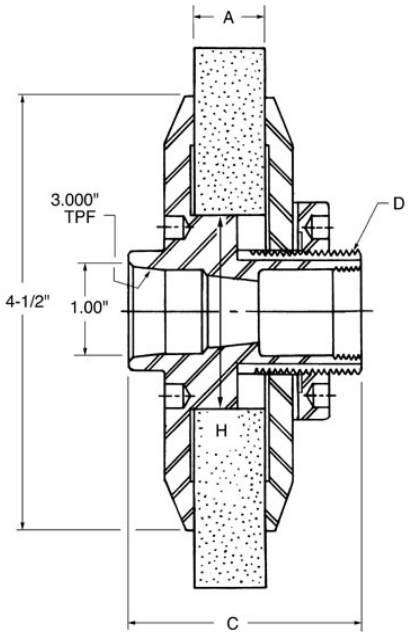
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00453



00455



SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D	H
00453	4.5-1-2	3/8 to 3/4	2-1/8	1-1/4-16LH	2.00
00454	4.5-2-2	3/8 to 3/4	2-1/8	1-1/4-16RH	2.00
00455	4.5-1-3	3/8 to 1	2-3/8	1-1/4-16LH	3.00
00456	4.5-2-3	3/8 to 1	2-3/8	1-1/4-16RH	3.00

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

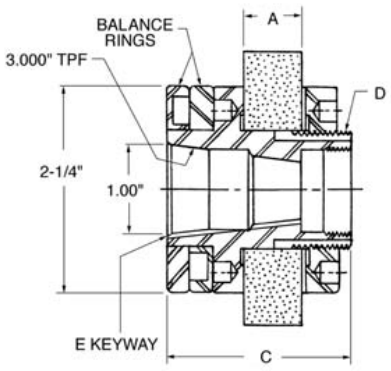
Standard Taper Balancing Wheel Adapters for Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Sopko balancing rings have milled pockets with 180° arc-length. One end of the arc is permanently stamped with a reference line and arrow to designate direction of rotation. Unlike some balancing rings, Sopko “sandwiches” the milled pockets together inside the mated faces. Grinding grit can’t build up! Rings are lapped flat and ground for a precision fit. A nylon-tipped set screw secures each ring to the adapter hub. All balancing adapters furnished with a 3/32" hex wrench 00938.







00565 00106

SOPKO CATALOG NO. SOPKO PART NO. DIMENSIONS

A C D E

00106 B100-1 1/2 to 3/4 1-7/8 1-1/4-16LH - 00107 B100-2 1/2 to 3/4 1-7/8 1-1/4-16RH -

00260 B200-1 1/4 to 1/2 1-3/4 1-1/4-16LH - 00262 B200-2 1/4 to 1/2 1-3/4 1-1/4-16RH -

00310 B300-1 3/4 to 1 2-1/4 1-1/4-16LH - 00311 B300-1B 1-1/2 2-11/16 1-1/4-16LH - 00313 B300-1C 1 2-1/4 1-1/4-16LH - 00312 B300-2 3/4 to 1 2-1/4 1-1/4-16RH - 50331** ANB300-2 3/4 to 1 2-1/4 1-1/4-16RH 3/16 00338 B300-2B 1-1/2 2-11/16 1-1/4-16RH -

00404 B400-1A 2 3-3/16 1-1/4-16LH -

Use Sopko Balancing Adapters to:

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- Increase productivity.
- Reduce downtime and maintenance.
- Produce low micro-finishes.
- Reduce wheel wear and truing frequency.
- Reduce costly spindle failures.

00405 B400-2A 2 3-3/16 1-1/4-16RH - 00410 B400-1B 1 to 2 3-3/16 1-1/4-16LH - 00412 B400-2B 1 to 2 3-3/16 1-1/4-16RH -

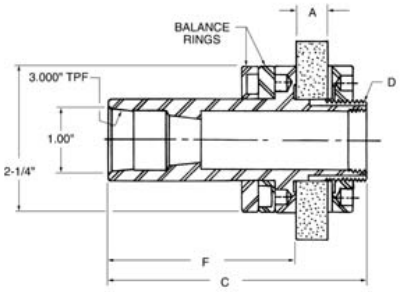
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00504 B500-1A 3 4-3/16 1-1/4-16LH - 00565 B500-1B 2 to 3 4-3/16 1-1/4-16LH - 00505 B500-2A 3 4-3/16 1-1/4-16RH - 50305 B600-1B 3 to 4 5-3/16 1-1/4-16LH - 50393 B1000-1A 8 9-3/16 1-1/4-16LH -

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**Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.





00228

SOPKO
CATALOG NO. SOPKO
PART NO. DIMENSIONS

A C D F

00228 B200-1LH1-5/8 1/4 to 1/2 3-3/8 1-1/4-16LH 2-5/16 00229 B200-2RH1-5/8 1/4 to 1/2 3-3/8 1-1/4-16RH 2-5/16 00244 B200-1LH2-3/4 1/4 to 1/2 4-1/2 1-1/4-16LH 3-7/16 00219 B200-2RH2-3/4 1/4 to 1/2 4-1/2 1-1/4-16RH 3-7/16

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*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

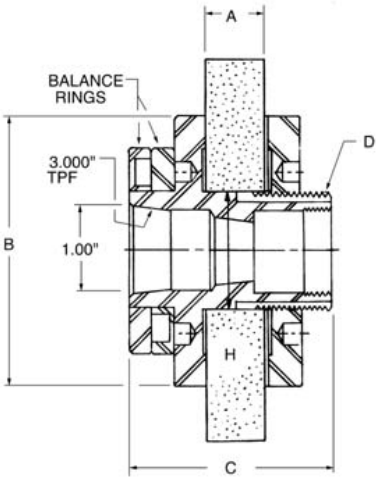
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.

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00460

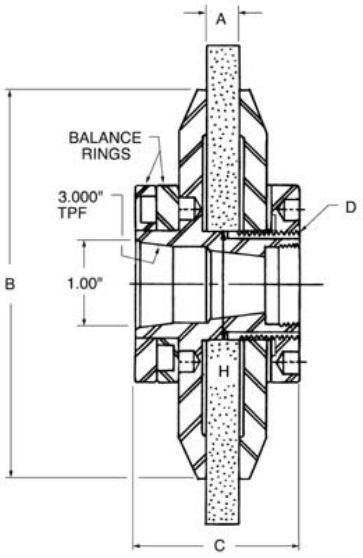




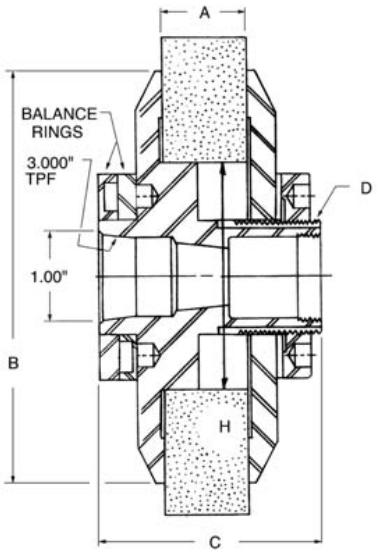
00248
(Front Side)



00251
(Taper Side)



SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000



*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Long Extended Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko LONG EXTENDED ADAPTERS are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinder applications where the operator must reach across a boss or other obstruction in order to grind. The adapters have also found wide application on cutter grinders and tap grinders.



00203



00252

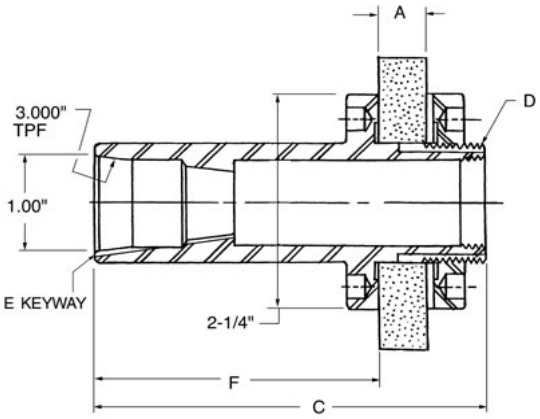


FIG. 1

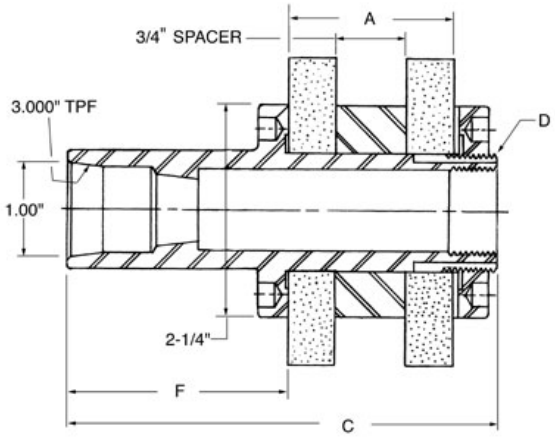


FIG. 2

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS A	C	D	E	F
00901	1	200-1LH-1/4	1/4 to 5/8	2	1-1/4-16LH	-	15/16
00203	1	200-1LH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	-	2-5/16
00204	1	200-2RH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	-	2-5/16
50315	1	200-1LH1-5/8KW	1/4 to 1/2	3-3/8	1-1/4-16LH	1/8	2-5/16
05256	1	200-1E-1-5/8	2-1/4	5-1/16	1-1/4-16LH	-	2-5/16
00252*	2	S200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00254	1	200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00214	1	200-1LH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	-	3-7/16
00215	1	200-2RH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	-	3-7/16

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Cup Wheel Extended Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Sopko cup wheel adapters are made with a THIN WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive wheel lock. A hardened and ground nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN UP during spindle rotation.

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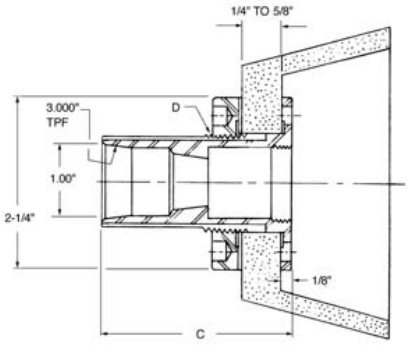




00263 **00265**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		C	D
00263	200-1CW	2-1/2	1-1/4-16LH
00264	200-2CW	2-1/2	1-1/4-16RH
00265	-	3-1/2	1-1/4-16LH
00266	-	3-1/2	1-1/4-16RH

*Grinding wheel not included.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Short I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All SHORT IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 1-1/4" wrench flat on the body makes installation and removal easy.

CHECK THESE FEATURES!

- ALL DIAMETERS GROUND for concentricity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- ALL COMPONENT PARTS HEAT TREATED for strength and long life.
- THREAD GROUND EXTERNAL THREADS for maximum concentricity and squareness.
- SPECIALS can be made to your requirements. Please specify wheel OD, width, and ID.

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00759



00765



00769

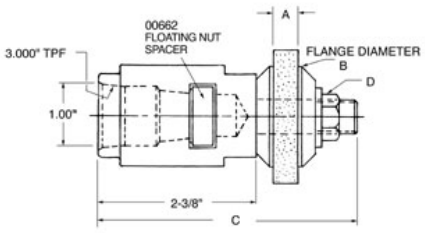


00773



00775

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00759	200-3/8LH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16LH HEX
00760	200-3/8RH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16RH HEX
00761		1/2 to 3/4	2	3-7/8	3/8-16LH HEX
00762		1/2 to 3/4	2	3-7/8	3/8-16RH HEX
00763	200-1/2LH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13LH HEX
00764	200-1/2RH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13RH HEX
00765		3/8 to 5/8	2	3-7/8	1/2-13LH HEX
00766		3/8 to 5/8	2	3-7/8	1/2-13RH HEX
00769		1/2	2	3-7/8	5/8-18LH HEX
00770		1/2	2	3-7/8	5/8-18RH HEX
00773		1/2	2	4	3/4-16LH HEX
00774		1/2	2	4	3/4-16RH HEX
00775	200-1LH-S	1/2	2-1/2	4	1-20LH ROUND
00776	200-1RH-S	1/2	2-1/2	4	1-20RH ROUND



Standard Taper Long I.D. Wheel Extensions.*
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16” wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783



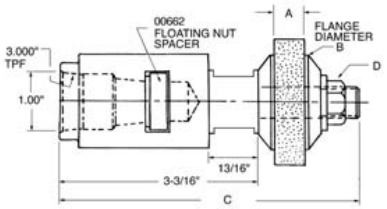
00787



00791

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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16” wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783



00787

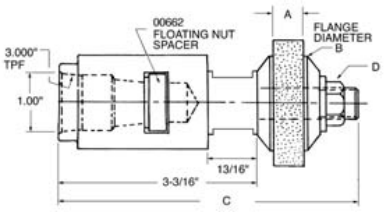


00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX

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00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Collet Chuck Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

Widely used on surface grinders, the set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

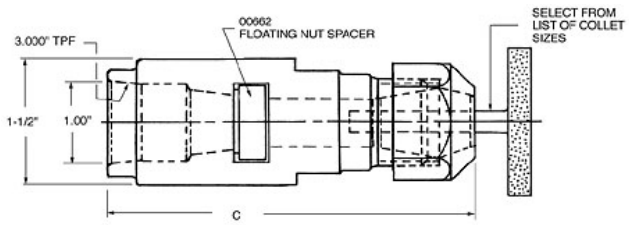
THERE IS A DIFFERENCE WITH SOPKO!

- Collet Chuck Quills are ground all over for true CONCENTRICITY and BALANCE.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- Made from AMERICAN SUPERIOR QUALITY alloy steel and heat treated for optimum performance.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose angle to assure PROPER ENGAGEMENT of the grinding wheel shank.


00246


00249

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C
00246	200-CCEA-S	2-15/16
00249	200-CCEA-L	4-15/16



6000 SERIES COLLETS** RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	**COLLET CAPACITY**
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2

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59125 NUT

**Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Male Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

SHORT MALE EXTENSIONS provide increased utility because grinding wheels already mounted do not need to be dismounted. This feature is especially useful when grinding with diamond wheels. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut. A 1-1/8" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

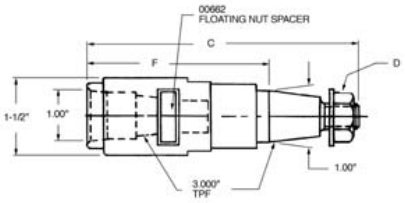


00237

LONG MALE EXTENSIONS are designed for even greater clearance possibilities with their added reach. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut.



00257



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F
00237	200-3-1/2LH	5-1/4	1/2-13LH	HEX 3-1/2
00238	200-3-1/2RH	5-1/4	1/2-13RH	HEX 3-1/2

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00257	200-5LH	6-5/8	1/2-13LH	HEX 4-7/8
00258	200-5RH	6-5/8	1/2-13RH	HEX 4-7/8

* See page 76 for available hex spindle nut sizes.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Reversible Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

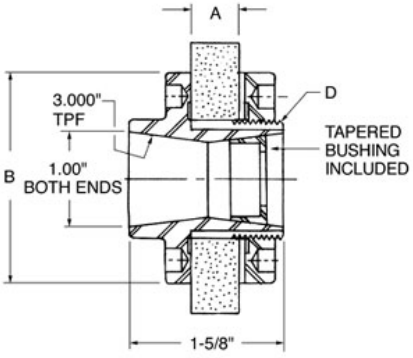
- Formed wheels are used either way without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper and are securely locked against loosening by the wheel rotation.
- Manufactured from quality steel to withstand the rigors of daily use, then HARDENED and GROUND.

For use on all spindles having a 3.000" TPF with 1.00" diameter at large end of taper. Including: Boyar-Schultz, Bridgeport, Brown & Sharpe, DoAll, Excello, Foote Burt-Hammond, Harig, Norton, Parker Majestic, Pope, Reid, Sanford, Setco, Taft Pierce, and Whitnon.



00222

A precision ground double-taper and removable bushing make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. LH thread is standard.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00222	222RWA	1/4 to 1/2	2-1/4	1-1/4-16LH
00255	222RWA-R	1/4 to 1/2	2-1/4	1-1/4-16RH
00256	4.5-2RWA	0 to 1/2	4-1/2	1-1/4-16RH
00022	22-W	Replacement tapered bushing.		

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters For Metric Bore Wheels.*

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3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 32MM (1.217") ID WHEELS.



00174



00176

For 32MM Metric Bore Wheels



00170



00172

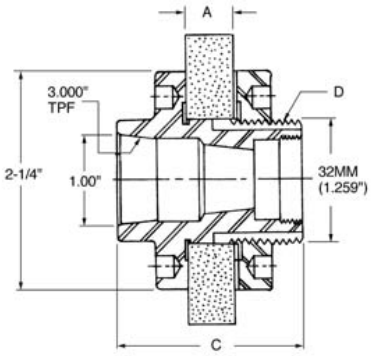


FIG. 1
For 32MM Metric Bore Wheels

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00170	1	1-100-1	1/2 to 3/4	1-7/8	1-1/4-16LH
00171	1	1-100-2	1/2 to 3/4	1-7/8	1-1/4-16RH
00172	1	2-200-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00173	1	2-200-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00174	1	3-300-1	3/4 to 1	2-1/4	1-1/4-16LH
00175	1	3-300-2	3/4 to 1	2-1/4	1-1/4-16RH
00176	2	2-230-1	1/4 to 1/2	1-3/4	1-1/4-16LH

*Other metric sizes quoted on request.

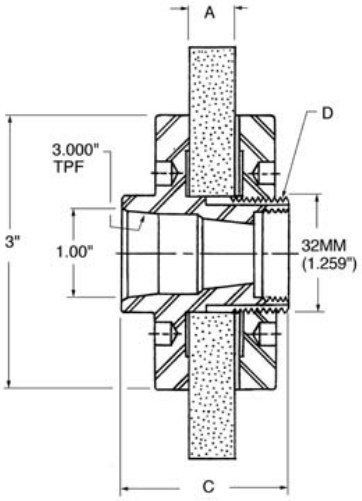


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the

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RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

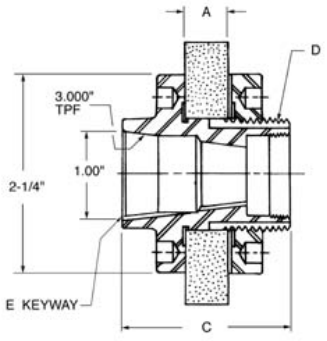
Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.



00345 **00348** **00366**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSION			
		A	C	D	E
00345	EN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00346	EN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00347	EN100-1C	3/4	1-7/8	1-1/4-16LH	-
00348	EN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00349	EN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00350*	ENA200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00351*	ENA200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00352**	ENK200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00353**	A2031-1	1/8 to 5/8	1-3/4	1-1/4-16LH	-
00355	EN200-1C	1/2	1-3/4	1-1/4-16LH	-
00364	EN300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00365	EN300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00368	EN300-1C	1	2-1/4	1-1/4-16LH	-
00369	EN300-2C	1	2-1/4	1-1/4-16RH	-
00356	A2031-2	3/8 to 1	2-1/4	1-1/4-16LH	-
00366	EN300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00367	EN300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00370	A2031-5	3/8 to 1-1/2	2-11/16	1-1/4-16LH	-



Electroless nickel plating available on all Sopko adapters at additional cost.
*Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.
** Keyway to face.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.
Sopko

Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.

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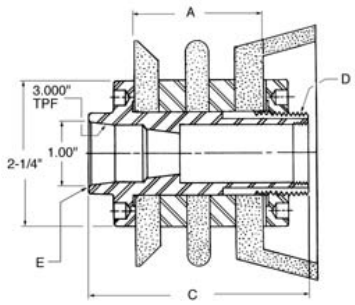


FIG. 1

00373 **00377**

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00371	1	EN400-1A	2	3-3/16	1-1/4-16LH
00372	1	EN400-2A	2	3-3/16	1-1/4-16RH
00373	1	EN400-1B	1 to 2	3-3/16	1-1/4-16LH
00374	1	EN400-2B	1 to 2	3-3/16	1-1/4-16RH
00376	1	EN500-1A	3	4-3/16	1-1/4-16LH
00377	1	EN500-1B	2 to 3	4-3/16	1-1/4-16LH
00378	1	A2031-4	1-3/4 to 3	4-3/16	1-1/4-16LH
00379	1	EN600-1A	4	5-3/16	1-1/4-16LH
00357	2	EN200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH

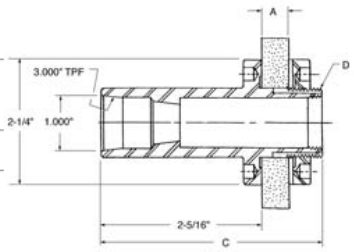


FIG. 2

Electroless nickel plating available on all Sopko adapters at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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01112



00651



00358



00360

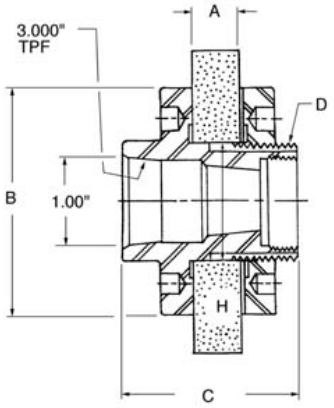


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250
00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250

Electroless nickel plating available on all Sopko adapters at additional cost.
*Balancing style adapter.

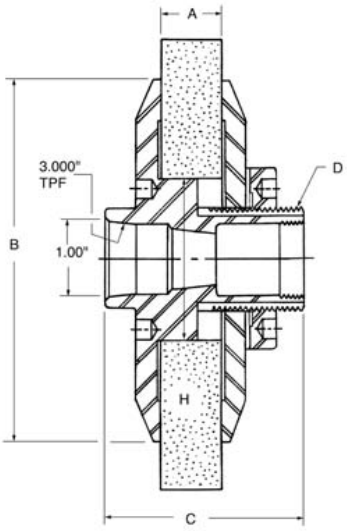


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Stainless Steel Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Made from 300 series stainless steel, and designed for applications that require the ultimate in corrosion resistance, these adapters are used widely in medical applications. They are anti-magnetic, which makes them ideal for cutting slots or grooves in magnetic materials. Hub, washer, and nut are all made from 300 series stainless steel.

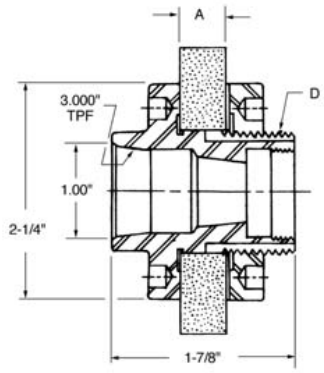
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00259



00267



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00259	SS100-1	3/8 to 3/4	1-1/4-16LH
00261	SS100-2	3/8 to 3/4	1-1/4-16RH
00211	S100/200-1	1/2 to 3/4	1-1/4-16LH
00267	SS100/200-2	1/2 to 3/4	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

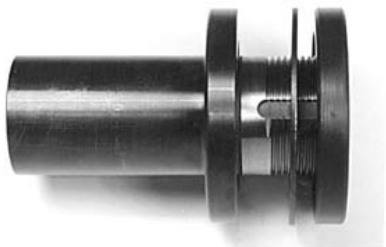
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32” Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



00719



00716

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00721

Note: 3/32" Keyway in small end of taper only

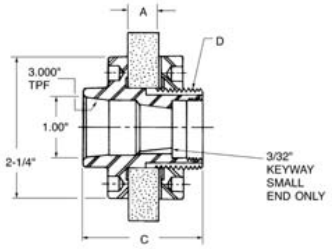


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	F
00716	1	U200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00717**	1	BU200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00718	1	U200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00719	2	U200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00720	2	U200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00721	2	U200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00423	2	U200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16
00722	1	U300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00709	1	U300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00723	1	U300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00193**	1	BU300-1	3/4 to 1	2-1/4	1-1/4-16LH	-

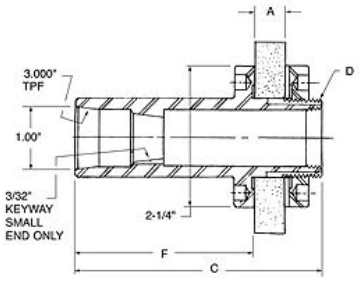


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

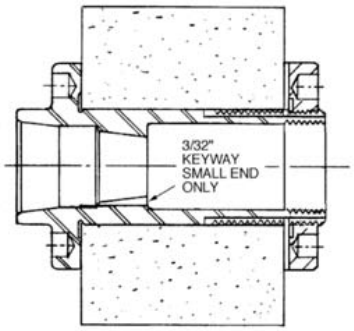
Standard Taper Wheel Adapters
With 3/32" Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



Note: 3/32" Keyway in small end of taper only

00725



SOPKO	SOPKO	DIMENSIONS

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CATALOG NO.	FIG.	PART NO.	A	C	D
00724	1	U400-1A	2	3-3/16	1-1/4-16LH
00725	1	U400-1B	1 to 2	3-3/16	1-1/4-16LH
00726	1	U400-2A	2	3-3/16	1-1/4-16RH
00727**	1	BU400-1B	1 to 2	3-3/16	1-1/4-16LH
00728	1	U500-1A	3	4-3/16	1-1/4-16LH
50320	1	U500-2A	3	4-3/16	1-1/4-16RH
00729	1	U500-1B	2 to 3	4-3/16	1-1/4-16LH
00730	1	U600-1A	4	5-3/16	1-1/4-16LH
00606	1	U600-1B	3 to 4	5-3/16	1-1/4-16LH
00732	2	U330-1	3/4 to 1	2-1/4	1-1/4-16LH
00733	2	U430-1A	2	3-1/4	1-1/4-16LH
00734	2	U430-1B	1 to 2	3-1/4	1-1/4-16LH

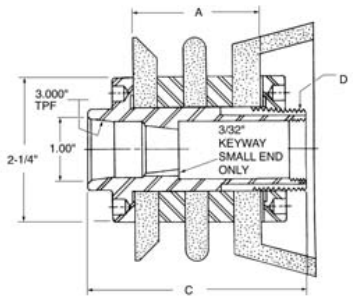


FIG. 1

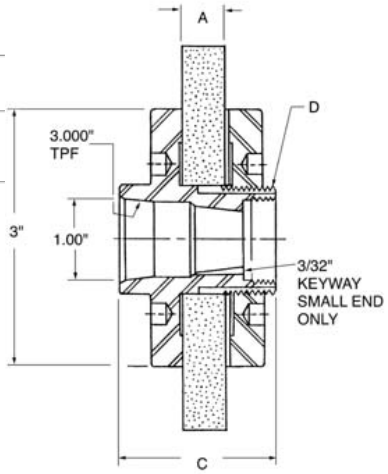


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.



00739

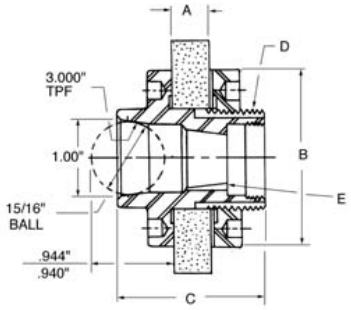


FIG. 1

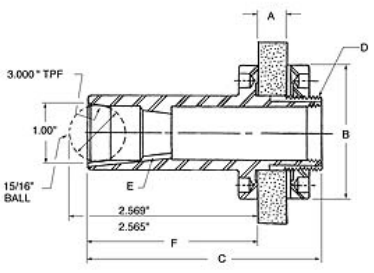


FIG. 2

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00738



00737

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

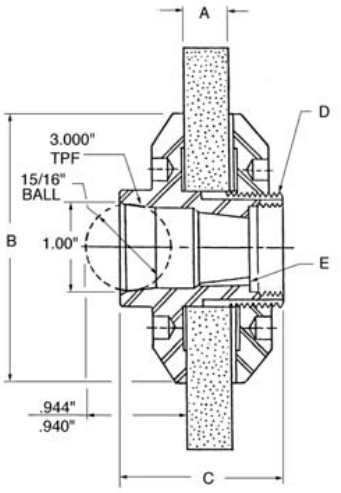


FIG. 3

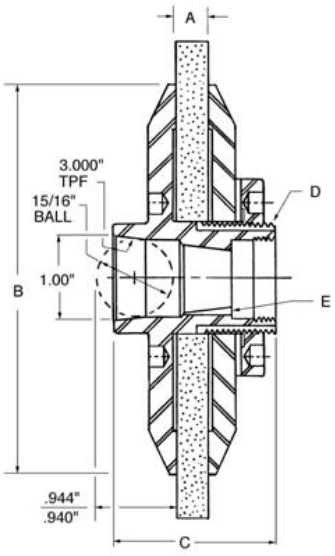


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With Glare Gear Assembly.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The UNIQUE GRINDING WHEEL LOCKING SYSTEM that eliminates damage to grinding wheels and spindle bearings caused by hammering. Also provides best possible mounting concentricity when tightening diamond, CBN, or vitrified wheels.

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01231**



01235

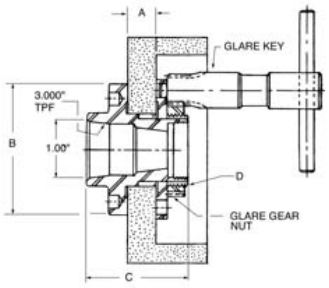


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS					
			A	B	C	D	E	F
01231	1	GG100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-	-
01232	1	GG100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-	-
01233	1	GG200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-	-
01234	1	GG200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-	-
01235	1	GG220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	-	-
01236	1	GG300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-	-
01237	1	GG300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	-	-
00159	1	GG300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	-	-
00127	1	GG400-1A	2	2-1/4	3-3/16	1-1/4-16LH	-	-
00566	1	GG400-2A	2	2-1/4	3-3/16	1-1/4-16RH	-	-
00189	1	GG400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	-	-
00417	1	GG500-1A	3	2-1/4	4-3/16	1-1/4-16LH	-	-
00462	1	GG500-2A	3	2-1/4	4-3/16	1-1/4-16RH	-	-
00704	1	GG500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	-	-
01282	3	GG200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-	2-5/16
00687	3	GG200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	-	3-7/16
00740*	2	GGU100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	3/32	-
00741*	2	GGU100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	3/32	-
00742*	2	GGU200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32	-
00743*	2	GGU200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	3/32	-
00744*	2	GGU300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	3/32	-
00745*	2	GGU300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	3/32	-
00746*	2	GGU300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	3/32	-
00747*	2	GGU400-1A	2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00748*	2	GGU400-2A	2	2-1/4	3-3/16	1-1/4-16RH	3/32	-
00194*	2	GGU400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00324*	2	GGU500-1A	3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00548*	2	GGU500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00320*	3	GGU200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/32	2-5/16
00595*	3	GGU200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3/32	3-7/16
50329*	3	GGU200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	3/32	2-5/16

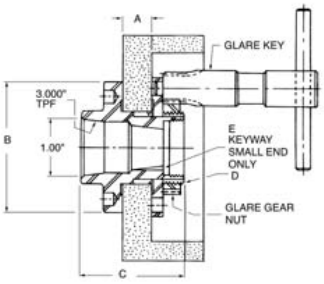


FIG. 2

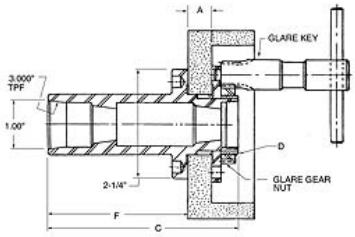


FIG. 3

See page 73 for complete selection of Glare Gear components.
Glare Gear Assemblies can be furnished with all 1-1/4" ID adapters.
List above is stocked product only.
*For grinding machines manufactured by Unison Corp., Ferndale, MI.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Pin Slot Wheel Adapters for Reversing Spindles.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.

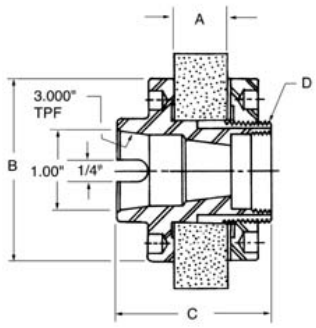


FIG. 1

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00094



00275



00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F
00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-
00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

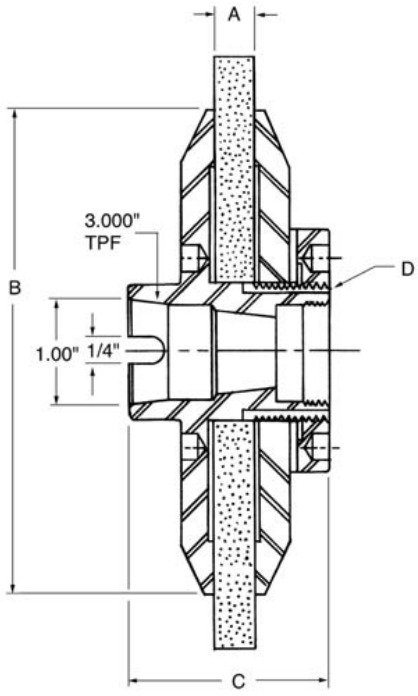


FIG. 2

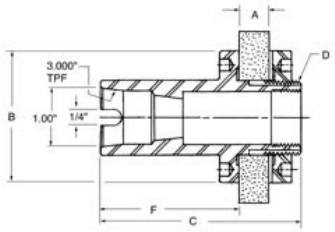


FIG. 3

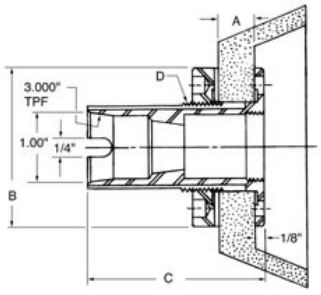


FIG. 4

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

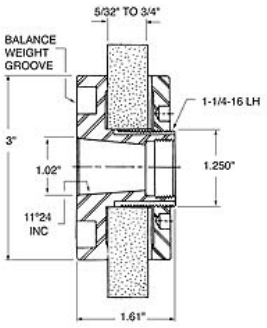
William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Wheel Adapters for Kent and Norton Grinders.
11° 24' INC ANGLE TAPER AND 3.500" TPF WITH 1.02" AND 1.50" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 3.000" ID WHEELS.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

The 05255 KENT BALANCING ADAPTER is furnished complete with a three piece bronze weight set 00835. Note*, some Kent grinders feature a 3.000" TPF with 1.00" diameter at the large end of taper.





SOPKO CATALOG NO.
05255

05255

*See standard taper (3.000" TPF) adapters on page 4 to 30.

The 00824 (WSG824) BALANCING ADAPTER FOR THE NORTON S-3 GRINDER will also fit the Worcester Surface Grinder and the Warner and Swasey 8x24 grinder. The adapter is furnished complete with a three piece steel balancing weight set 00836.

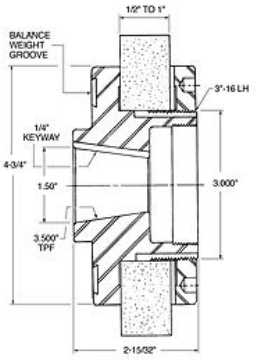


(Front Side)



00824

(Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.
00824	WSG824

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

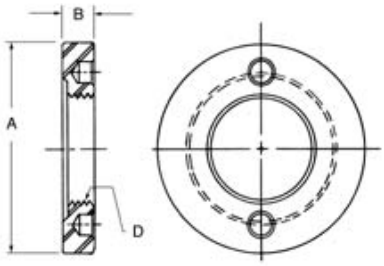
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Wheel Adapter Parts.

Nuts.



00020 00186 00599



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			DESCRIPTIONS
		A	B	D	
00024	S-110NR	1-3/8	1/4	3/4-16RH	For S-110 Monoset adapter
05529	-	1-5/8	1/4	1-20LH	For 1" ID wheel extension
05530	-	1-5/8	1/4	1-20RH	For 1" ID wheel extension
00155	X-200-NL	1-3/4	1/4	1-1/4-16LH	For X-200-1 adapter
00185	X-200-NR	1-3/4	1/4	1-1/4-16RH	For X-200-2 adapter
00296	913-0-00-1006	1.85	.39	1-1/4-16RH	For ANCA MG7 series adapters
00067	-	50 MM (1.97")	10 MM (0.39")	1-1/4-16RH	For ANCA RGX adapters, has two #10-32 00939 nylon-tipped set screws on O.D.
04284	-	1-7/8	1/4	11/16-24LH	For Wickman adapter 00676, two #10-32 tapped holes in face
05113	-	2	1/4	3/4-16RH	For S-111 Monoset adapter
04276	-	2	5/16	1-1/4-16LH	For Wickman adapter 00677, 00678 & 50074, two #10-32 tapped holes in face
00145	-	2	9/32	1-1/4-16LH	For Wickman adapter 00677 with two #10-32 tapped holes in face.
00416	W-401-NL	2-1/8	5/16	1-1/4-16LH	For Pope adapters 00529 and 00532
00425	W-401-NR	2-1/8	5/16	1-1/4-16RH	For Pope adapters 00530, 00531, and 00533
00020	200-NL	2-1/4	5/16	1-1/4-16LH	
00186	AN-200NL	2-1/4	5/16	1-1/4-16LH	Has two #10-32 00939 nylon-tipped set screws on O.D.
00187	AN-200NR	2-1/4	5/16	1-1/4-16RH	Has two #10-32 00939 nylon-tipped set screws on O.D.
00599 *	EN-200-NL	2-1/4	5/16	1-1/4-16LH	Electroless nickel plated
01238	SS-200-NL	2-1/4	5/16	1-1/4-16LH	Stainless steel
00021	200-NR	2-1/4	5/16	1-1/4-16RH	
00796 *	EN-200-NR	2-1/4	5/16	1-1/4-16RH	Electroless nickel plated
01229	SS-200-NR	2-1/4	5/16	1-1/4-16RH	Stainless steel
04279	-	2-1/4	3/8	1-1/2-16LH	For Abrasive adapter 00813
00643	-	2-5/16	1/4	1-1/4-16RH	
00682	-	2-3/8	5/16	1-1/4-16RH	
00223	220-NL	2-7/16	3/8	1-1/4-16LH	
00224	220-NR	2-7/16	3/8	1-1/4-16RH	
01228 *	EN-220-NR	2-7/16	3/8	1-1/4-16RH	Electroless nickel plated

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01243	EU230NL	3	5/16	1-1/4-16LH	For ball location adapter 00738 (has clearance angle on OD)
00273	230-NL	3	3/8	1-1/4-16LH	
01110 *	EN-230-NL	3	3/8	1-1/4-16LH	Electroless nickel plated
00274	230-NR	3	3/8	1-1/4-16RH	
00703 *	EN-230-NR	3	3/8	1-1/4-16RH	Electroless nickel plated
00156	96.5301.5001	3	3/8	2-16RH	For ANCA TG7 series adapters
04253	-	3	7/16	2-16LH	For Huffman adapters
04252	-	3	7/16	2-16RH	For Huffman adapters

* In stock, but Electroless nickel plating is available for all nuts at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

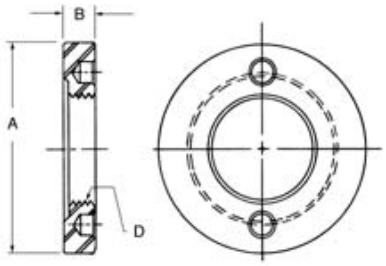
CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapter Parts.

Nuts.







00285 **04264**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D	DESCRIPTIONS
00285	235-NL	3-1/2	3/8	1-1/4-16LH	
00286	235-NR	3-1/2	3/8	1-1/4-16RH	
04266	-	3-1/2	5/16	2-18RH	For large taper adapter 01312
05114	-	3-7/16	5/16	1-1/4-16LH	For Gallmeyer & Livingston adapters 00526, 00527, and 00528
05042	25-1569-1	4-1/8	1/2	3-16LH	For shrouded adapter 00183
05043	-	4-1/8	1/2	2-16LH	For shrouded adapter 00182
04260	-	4-1/4	7/16	2-18RH	For large taper balancing adapter 01313
04263	-	4-1/4	9/16	3-16LH	
04265	-	4-1/4	9/16	3-16RH	
04287	-	4-1/4	13/32	1-1/4-16LH	
04288	-	4-1/4	13/32	1-1/4-16RH	
04285	-	4-1/4	5/8	2-3/4-16RH	
04262	-	4-1/2	7/16	3-16LH	For Clausing and Covel adapter 00693
04294	-	4-3/4	7/16	3-16LH	For Norton S-3 balancing adapter 00824
04267	-	4-3/4	1/2	3-16LH	
04300	-	5	7/16	3-16LH	
04270	-	5	7/16	3-16RH	For large taper adapter 01329, 01324
04264	-	5	9/16	3-16LH	For large taper balancing adapters 01330, 01338, 01332, and 01340

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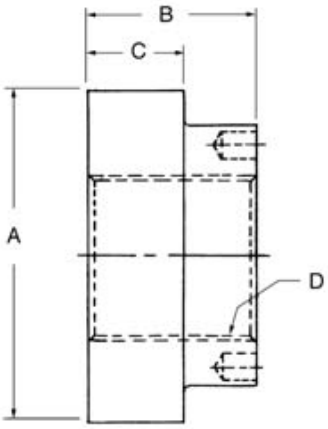
This style nut, used to lock wheel adapters onto the spindle, and secured in the adapter with a snap-ring, is referred to as a CAPTIVE Spindle locking nut.



05108



05111



SOPKO CATALOG NO.	DIMENSIONS A	B	C	D	DESCRIPTIONS
05108	2-15/16	7/8	0.60	3/4-16RH	For adapter 01342
05115	2-15/16	1-1/8	0.81	1-1/8-12RH	For adapter 01341
05109	2-15/16	1-1/4	0.81	1-1/8-12RH	For adapter 01343
05110	2-15/16	1-5/8	0.81	1-1/8-12RH	For adapter 01344
05111	2-15/16	1-1/2	0.81	1-1/2-12RH	For adapters 01345, 01346, 01347, 01348, and 01349
05112	4-1/2	2-1/4	1.025	2-1/4-12RH	For adapter 01350

Electroless nickel plating is available for all nuts at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters.

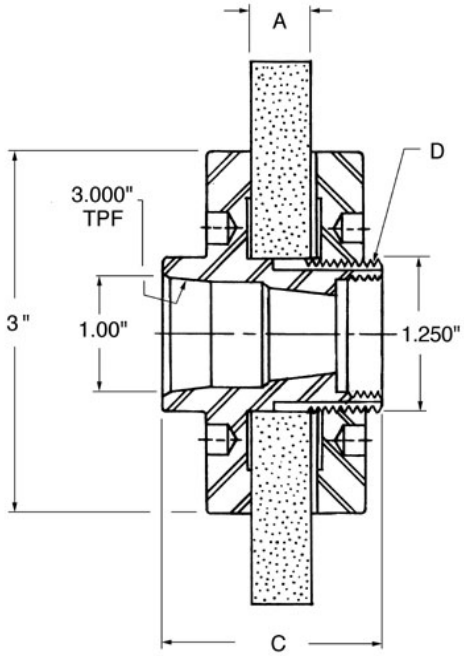
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250", 1.500", AND 2.000" ID WHEELS.



00130



00430

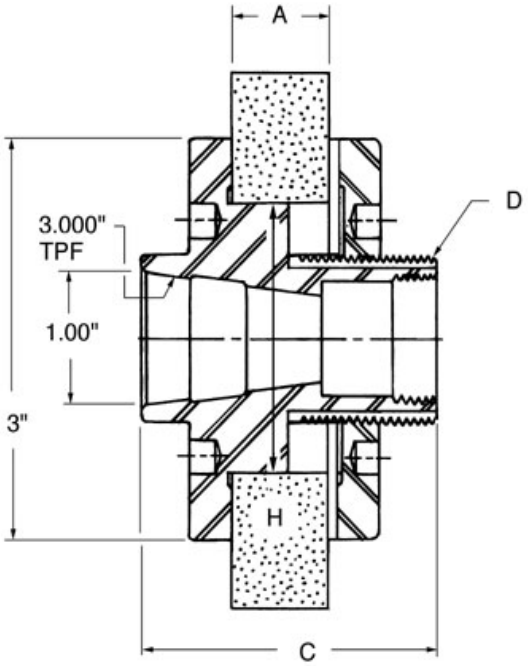


SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D
00130	130-1	3/4	1-15/16	1-1/4-16LH
00132	130-2	3/4	1-15/16	1-1/4-16RH
00230	230-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00232	230-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00330	330-1	3/4 to 1	2-1/4	1-1/4-16LH
00332	330-2	3/4 to 1	2-1/4	1-1/4-16RH
00331	330-1S	3/8 to 1	2-1/4	1-1/4-16LH
00386	330-2S	3/8 to 1	2-1/4	1-1/4-16RH
00430	430-1A	2	3-1/4	1-1/4-16LH
00432	430-2A	2	3-1/4	1-1/4-16RH
00431	430-1B	1 to 2	3-1/4	1-1/4-16LH
00433	430-2B	1 to 2	3-1/4	1-1/4-16RH
00434	430-1D	2-1/4 to 2-1/2	3-3/4	1-1/4-16LH
00435	430-1E	1-1/2 to 2	3-1/4	1-1/4-16LH

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00334



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	H
00333	330-1-1.500	1/2 to 1	2-1/4	1-1/4-16LH	1.500
00334	330-1-2.000	1/2 to 1	2-1/4	1-1/4-16LH	2.000

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Okamoto DX Series Grinders.

3.000" TPF AND 1:5 TAPER RATIO WITH 1.00" AND 1.75" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 5.000" ID WHEELS.

Standard adapter for 6.18DX and 8.20DX saddle type surface grinders.

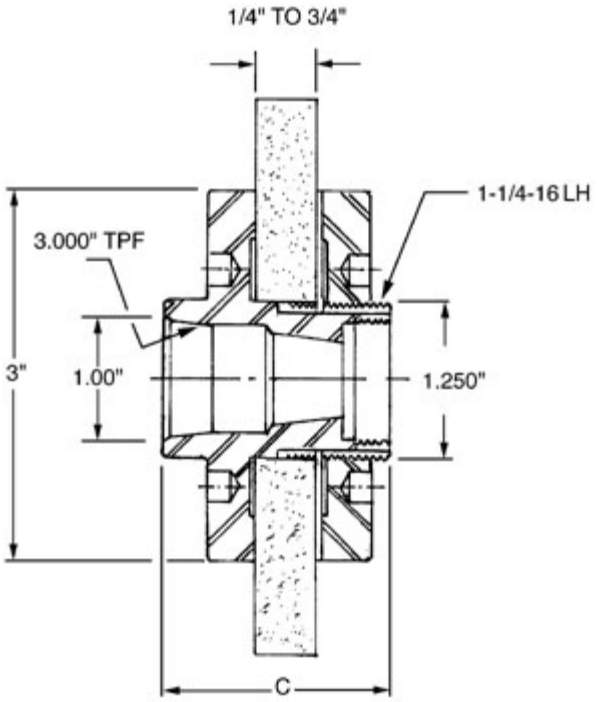
SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS C
00129	A521	1-15/16
02681*	-	2-3/64

* Balancing style adapter includes weight set 00862.



00129

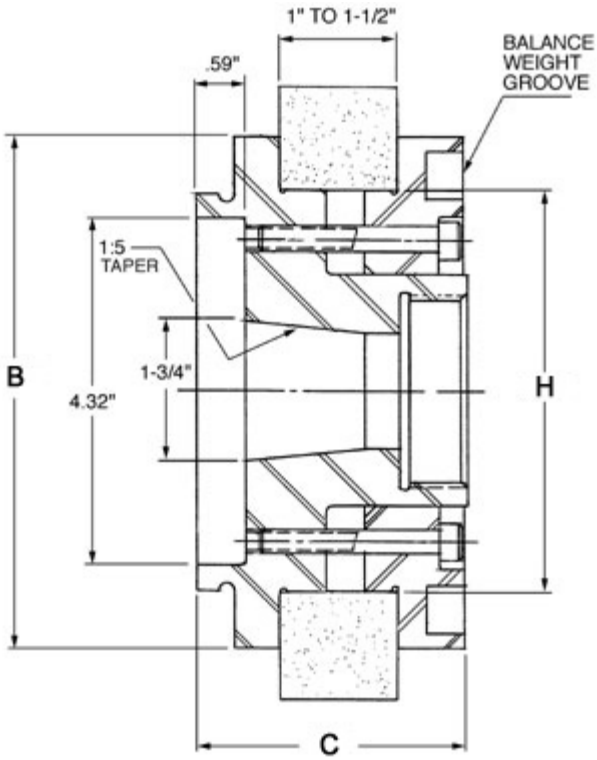
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Bolt-on flange balancing adapter for 12.24DX, 16.24DX, 16.32DX, 20.24DX, 20.36DX and 20.40DX saddle type surface grinders.



00636



SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS		
		B	C	H
00908†	A621-3	5	3-1/4	3.000
00636**	A621-5	6-3/8	3-3/8	5.000

† Includes balancing weight set 00831 and 6 piece SHCS set 00614.
** Includes balancing weight set 00864 and 6 piece SHCS set 00614.

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
00636	27MM to 38MM (1" to 1.50")	01834	5/16-18 X 2-1/4	6
00908	1"	00614	5/16-18 X 1-1/4	6

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1-1/2"	00615	5/16-18 X 1-1/2 6

** Includes balancing weight set 00864.

Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Pin Slot Wheel Adapters for Reversing Spindles.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.



00094



00275



00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F
00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-
00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

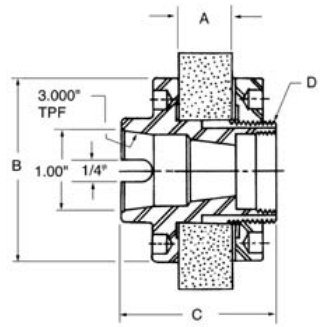


FIG. 1

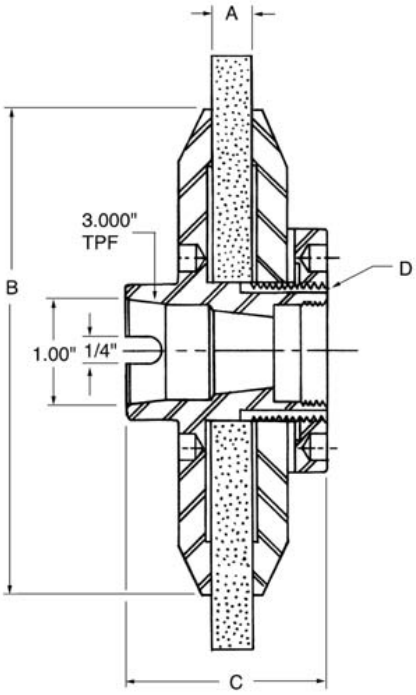


FIG. 2

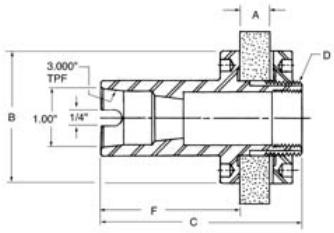


FIG. 3

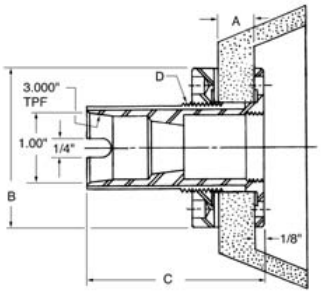


FIG. 4

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

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Wheel Adapters for Tool & Cutter Grinders
Manufactured by Jungner.

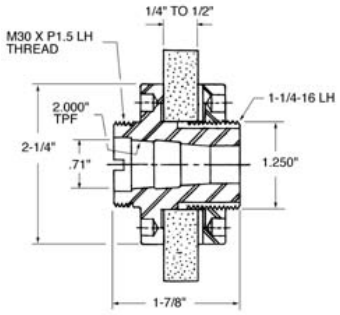
2.000" TPF WITH .71" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Jungner 450 CNC tool and cutter grinder adapter.

SOPKO CATALOG NO.

00690





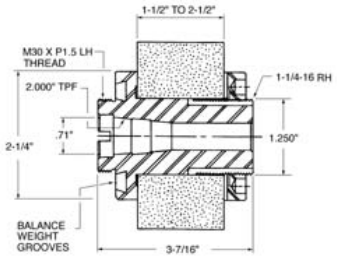
00690
(Taper Side)

Jungner 450 CNC tool and cutter grinder adapter is furnished with a three piece steel balancing weight set 00848.

SOPKO CATALOG NO.

50130





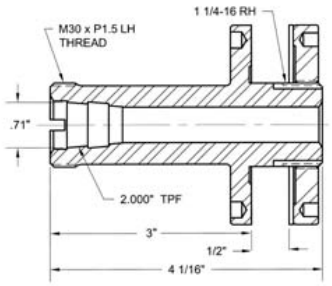
50130

Jungner 450 CNC tool and cutter grinder extended adapter.

SOPKO CATALOG NO.

50353





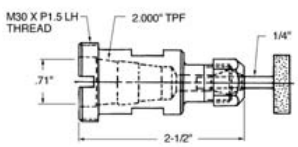
50353

Jungner 450 CNC tool and cutter grinder collet chuck arbor.
Furnished with 4000 series nut and 1/4" collet.*
A 13/16" wrench flat on the body makes installation and removal easy.

SOPKO CATALOG NO.

29911





* See page 97 for addtional 4000 series collets.

29911

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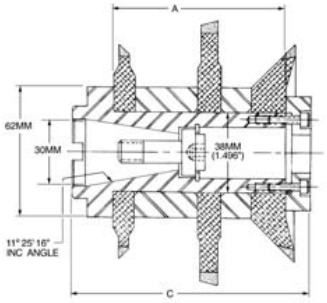
Wheel Adapters for CNC Tool & Cutter Grinders
Mfg. by Strausak Corporation, Lohn, Switzerland.

11° 25' 16" INC ANGLE TAPER WITH 30MM (1.18") DIAMETER AT LARGE END OF TAPER.
FOR 38MM (1.496") AND 1.250" ID WHEELS.

You need adapters that can handle the demanding applications that the Strausak Ecoflex CNC Tool & Cutter Grinder was designed to provide. Engineered specifically for the double ended spindle geometry of the Ecoflex system, Sopko adapters feature a bolt-on flange design that secures the wheel-pack regardless of spindle rotation. A pin-slot at the large end of the taper provides positive hub engagement for bi-directional rotation. Sopko adapters maximize the Strausak Ecoflex performance with precision ground tapers, carburized and hardened component parts for toughness, and ground, square and concentric flange faces that provide identical radial load-bearing surfaces to lock the multi-wheel-pack securely. Adapters are furnished with a M10xP1.5 draw-bolt 00037, bolt-on flange 00607, retaining ring 00486, and six M4xP.70 SHCS 01003 to clamp the flange and wheel-hub together.



(Front Side) 00383 (Taper Side)



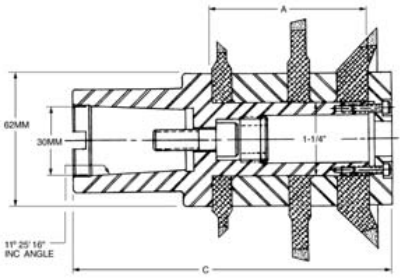
SOPKO CATALOG NO.	STRAUSAK PART NO.	DIMENSIONS	
		A	C
00383	91-12-902	60MM (2.36")	79MM (3.11")
00382	91-12-901	80MM (3.15")	100MM (3.94")

Incorporating all of the quality design features and benefits of the Strausak Ecoflex CNC Tool & Cutter adapters above, these adapters are made for 1-1/4" ID wheels. Now Strausak Ecoflex users have access to the wide variety of "standard bore", 1-1/4" ID, wheels that are available.
Adapters are furnished with a M10XP1.5RH draw-bolt 02723, bolt-on flange 00588, 3/4-16 RH hollow set screw 02630, and six M4XP.70RH SHCS 01003 to clamp the flange and wheel-hub together.





00026 (Front Side) 00645 (Taper Side)



SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00026	60MM (2.36")	120MM (4.72")
00645	80MM (3.15")	141MM (5.55")

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Pope Style Wheel Adapters.*

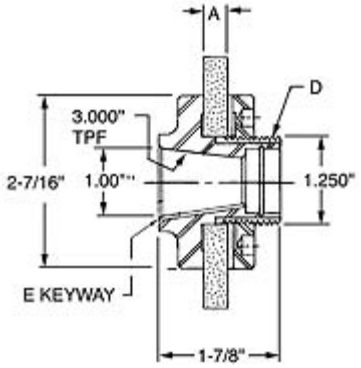
3.000” TPF and 4.500” TPF WITH 1.00" AND .87" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Balancing, non-balancing, and shrouded type adapters are available for Pope Precision spindles. Made from 32 Rc alloy steel, these Pope style adapters feature concentric and square ground surfaces for optimum surface finishes. Thread ground OD threads assure safe, square wheel locking conditions and precisely ground internal tapers offer reliable spindle engagement.

SOPKO CATALOG NO.	POPE PART NO.	DIMENSIONS		
		A	D	E
00534	WS-100-1	1/4 to 3/4	1-1/4-16LH	-
00535	WS-100-2	1/4 to 3/4	1-1/4-16RH	-
00536	-	1/4 to 3/4	1-1/4-16LH	3/16
00537	-	1/4 to 3/4	1-1/4-16RH	3/16



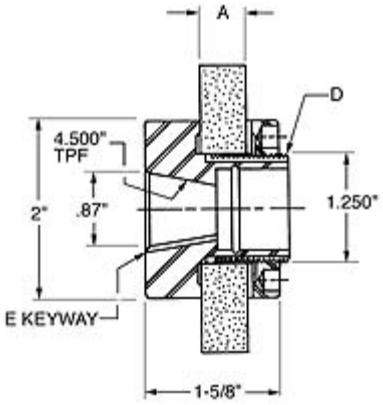
00534



SOPKO CATALOG NO.	DIMENSIONS		
	A	D	E
00529	1/8 to 5/8	1-1/4-16LH	3/16
00530	1/8 to 5/8	1-1/4-16RH	3/16
00531	1/4 to 5/8	1-1/4-16RH	1/8
00532	1/8 to 5/8	1-1/4-16LH	-
00533	1/8 to 5/8	1-1/4-16RH	-



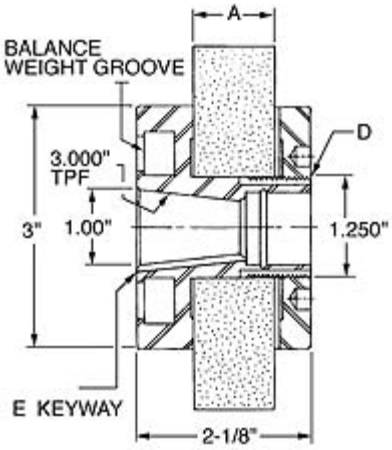
00529



SOPKO CATALOG NO.	POPE PART NO.	DIMENSIONS		
		A	D	E
00542	WS-330-1	1/4 to 1	1-1/4-16LH	-
00543	WS-330-2	3/4 to 1	1-1/4-16RH	-
00544	-	3/4 to 1	1-1/4-16LH	3/16
00545	-	3/4 to 1	1-1/4-16RH	3/16
00827	Set of three hex weights for 00542, 00543, 00544, and 00545 balancing adapters.			



00542



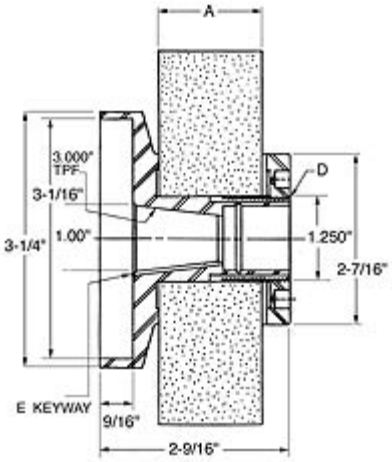
SOPKO CATALOG NO.	DIMENSIONS		
	A	D	E

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00546	5/8 to 1-1/4	1-1/4-16RH	1/8
00538	5/8 to 1-1/4	1-1/4-16LH	3/16
00539	5/8 to 1-1/4	1-1/4-16RH	3/16
00540	5/8 to 1-1/4	1-1/4-16LH	-
00541	5/8 to 1-1/4	1-1/4-16RH	-

* Lock ring 04278 is not included with any adapter listed on this page.





00538

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Tools and Accessories for Wheel Adapters.

PULLERS.

Make adapter removal safe and easy with the widest variety of pullers available anywhere in the industry. Designed to apply pressure to the end of the spindle shaft and gently pull the adapter assembly off the precision taper. Two-part puller assembly consists of a knurled bushing that threads into the adapter hub and a pressure screw.

00116 (116) STANDARD PULLER ASSEMBLY.
1" OD knurled bushing 00681, .984"-16RH OD thread. Pressure screw 00117 1-1/8" long,
1/2-13RH thread, 11/16" hex. Black oxide finish.



00188 STANDARD PULLER ASSEMBLY FOR 300 SERIES ADAPTERS.
1" OD knurled bushing 00681, .984"-16RH OD thread. Pressure screw 00904 2" long,
1/2-13RH thread, 3/4" hex. Black oxide finish.



05305 PULLER ASSEMBLY FOR 00255 (222RWA-R) ADAPTER.



00493 PULLER FOR ANCA TG7 ADAPTERS. T-handle design with M36x1.5RH OD thread.
7-1/16" long. Black oxide finish.



00903 (173683-J) PULLER ASSEMBLY FOR BROWN & SHARPE 23-1569 ADAPTER.
1-9/16" OD knurled bushing, 1-1/2-16RH OD thread. Nylon tip T-handle pressure screw
01176 1-7/8" long, 3/4-10RH thread. Black oxide finish.



01215 PULLER ASSEMBLY FOR BROWN & SHARPE 25-1569 ADAPTER.
2-1/16" OD knurled bushing, 2-16RH OD thread. Nylon tip T-handle pressure screw
01176 1-7/8" long, 3/4-10RH thread. Black oxide finish.



05286 PULLER ASSEMBLY FOR LARGE TAPER ADAPTERS 01324, 01330, 01332, 01337, 01338, 01339, and 01340. 2" OD knurled bushing, 2-5/16-20RH OD thread. Socket head pressure screw 01266 2" long, 5/8-11RH thread. Black oxide finish.



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05319 PULLER ASSEMBLY FOR LARGE TAPER ADAPTERS 01312, 01314, 01315, 01316, and 01317.
1-3/8" OD knurled bushing, 1-1/2-20RH OD thread. Pressure screw 00904 2" long, 1/2-13RH thread, 3/4" hex. Black oxide finish.



05284 PULLER ASSEMBLY FOR LARGE TAPER ADAPTERS.
1-3/8" OD knurled bushing, 1-1/2-20RH OD thread. Pressure screw 00117 1-1/8" long,
1/2-13RH, 11/16" hex. Black oxide finish.



05268 PULLER ASSEMBLY FOR S.E. HUFFMAN ADAPTERS.
1-1/2" OD knurled bushing, 1-5/8-16RH OD thread. Pressure screw 00904 2" long, 1/2-13RH thread, 3/4" hex. Black oxide finish.



01875 PULLER FOR HEALD ADAPTER 50065 (75022A).
2-3/4" OD knurled bushing, 2-3/8-16RH OD thread. Pressure screw 00683 1-1/2" long,
5/8-11RH thread, 15/16" hex. Black oxide finish.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Reversible Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

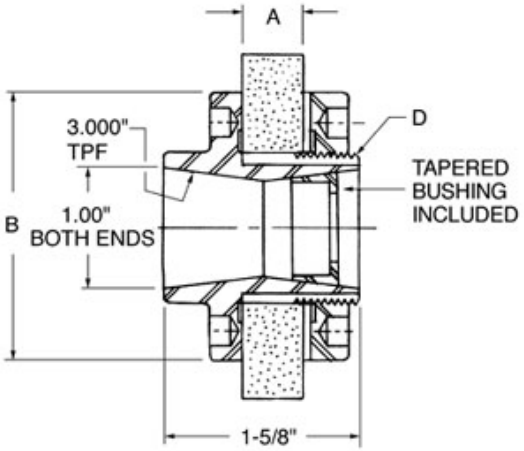
- Formed wheels are used either way without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for
  BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper and are securely locked against loosening by the wheel rotation.
- Manufactured from quality steel to withstand the rigors of daily use, then HARDENED and GROUND.

For use on all spindles having a 3.000" TPF with 1.00" diameter at large end of taper. Including: Boyar-Schultz, Bridgeport, Brown & Sharpe, DoAll, Excello, Foote Burt-Hammond, Harig, Norton, Parker Majestic, Pope, Reid, Sanford, Setco, Taft Pierce, and Whitnon.



00222

A precision ground double-taper and removable bushing make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. LH thread is standard.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00222	222RWA	1/4 to 1/2	2-1/4	1-1/4-16LH
00255	222RWA-R	1/4 to 1/2	2-1/4	1-1/4-16RH
00256	4.5-2RWA	0 to 1/2	4-1/2	1-1/4-16RH
00022	22-W	Replacement tapered bushing.		

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

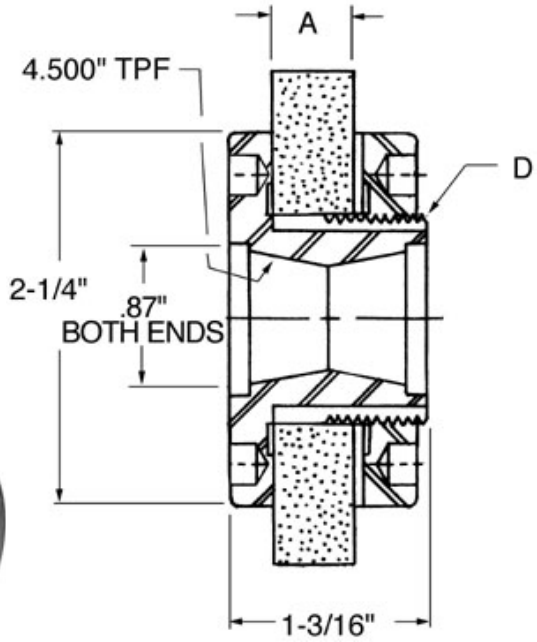
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Cincinnati Taper Reversible Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way, without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper, and are securely locked against loosening by the wheel rotation. Manufactured from quality steel, then HARDENED AND GROUND to withstand the rigors of daily use.



CINCINNATI TAPER "OLD STYLE" REVERSIBLE WHEEL ADAPTER.

A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the older Cincinnati flat belt center drive spindles, the adapter comes complete with a 1/2-13LH 06074 and a 1/2-13RH 06073 slotted spindle nut.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D
00122	122RWA	1/4 to 1/2	1-1/4-16RH

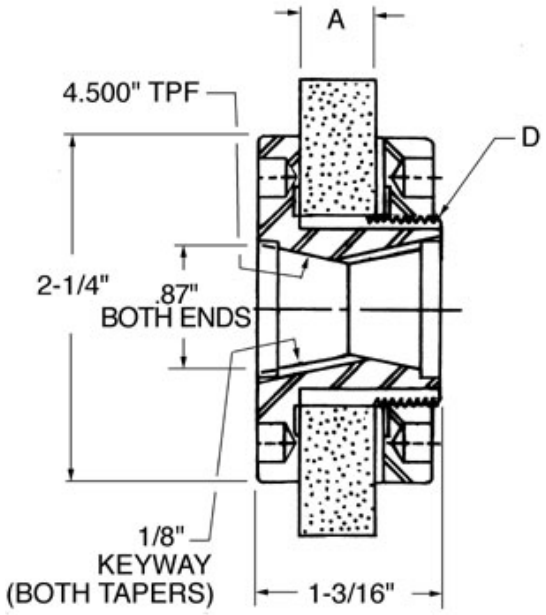
CINCINNATI TAPER "NEW STYLE" REVERSIBLE WHEEL ADAPTER.

A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. The adapter comes complete with a 3/8-16RH mounting bolt 14362.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D

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00123	122CRWA	1/4 to 1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Wheel Adapters for Wickman OPG and Sheffield Micro-Form Grinders.

3.500" TPF WITH .56" DIAMETER AT LARGE END OF TAPER.
FOR .750" AND 1.250" ID WHEELS.

Designed for the Wickman OPG Grinder and the Sheffield 121, 122, and 122A Micro-Form Grinder, these adapters feature a one piece hub design to distribute mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock. For optimum micro finishes, all surfaces have been ground concentric and square. A precision taper makes spindle mounting reliable, and the heat treated hub and nut assures long-life and safe operation. Spindle uses a 5/16-24LH spindle nut 05335 (not furnished).

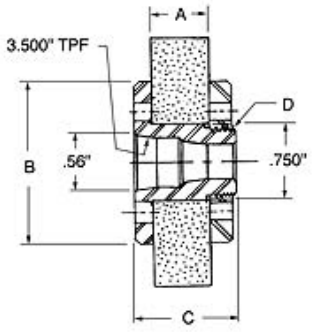


FIG. 1



00676 **00677** **00678**

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	B	C	D
00676*†	1	A-12930-3/4	1/2	1-7/8	1	11/16-24LH
00677*	2	A-12930-2	1/2	2	1-1/32	1-1/4-16LH

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00678*	2	A-12930-3-1/4	1/16 to 1/4	3-1/4	1	1-1/4-16LH

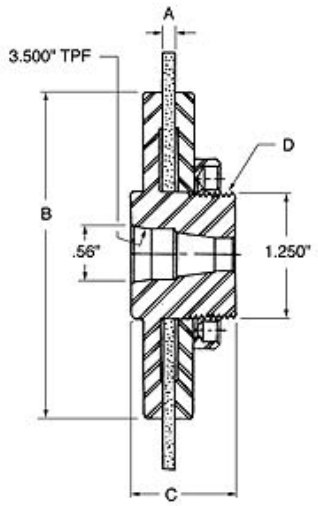


FIG. 2

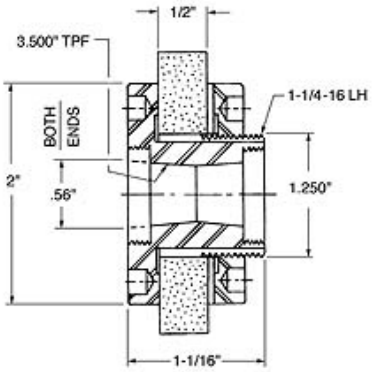
See page 74 for accessory flanges.
*Older style Wickman grinders.
†With 11/16-24LH adapter nut 04284.

This precision ground double-taper reversible adapter is designed for the Wickman OPG Grinder and the Sheffield 121, 122, and 122A Micro-Form Grinder. The adapter is furnished with a 5/16-24LH special tapered hex spindle nut 05105.

SOPKO CATALOG NO.
50074



50074



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Wickman OPG and Sheffield Micro-Form Grinders.

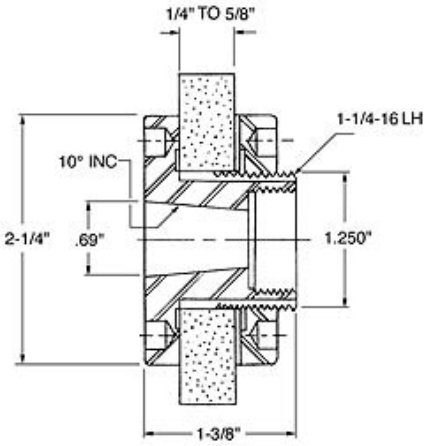
10° INC ANGLE TAPER WITH .69" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

For newer style Wickman Grinders.

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01020



SOPKO CATALOG NO.	SOPKO PART NO.
01020	S102

01021 (S102RWA) WICKMAN REVERSIBLE WHEEL ADAPTER. Ideal for diamond wheel use, this adapter has a precision ground double-taper to make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle taper.

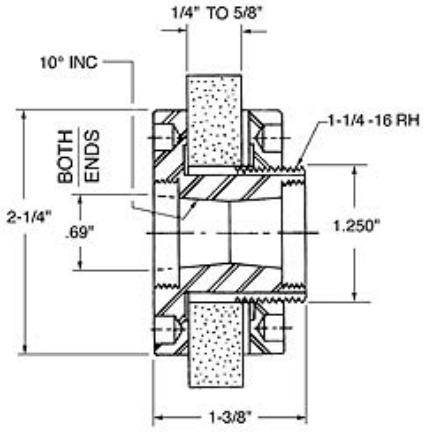


(Front Side)



01021

(Rear Side)



SOPKO CATALOG NO.	SOPKO PART NO.
01021*	S102RWA

* Newer style Wickman grinders.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Wasino Grinders (Older Style Machines).

15° INC ANGLE TAPER WITH .71" AND .66" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

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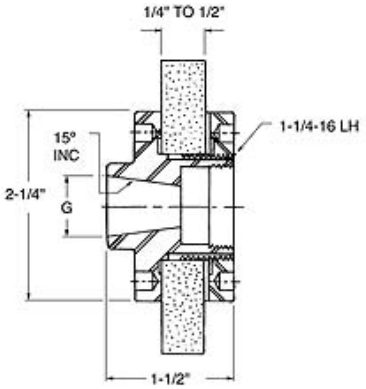


(Front Side)

00967



(Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS G
00967*	S108	.66
00968**	S109	.71

*Designed for the GLS-125 grinder.
**Designed for the GLS-125A grinder.

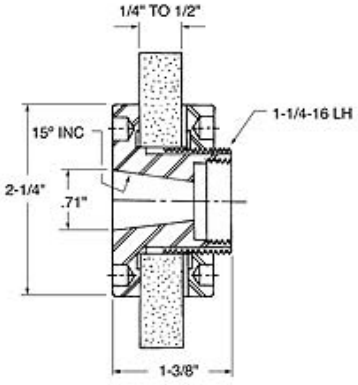


(Front Side)

00969



(Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.
00969**	S109TI

**Designed for the GLS-125A grinder.

The WASINO REVERSIBLE WHEEL ADAPTER features a precision ground double-taper to make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle taper.



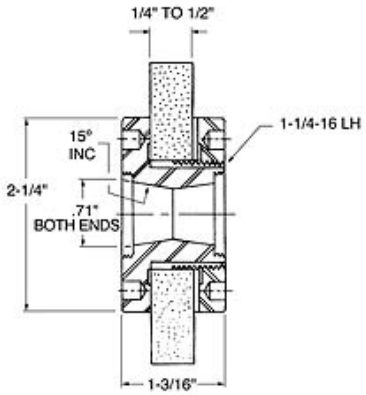
(Front Side)

00970



(Taper Side)

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SOPKO CATALOG NO.	SOPKO PART NO.
00970**	S109RWA

**Designed for the GLS-125A grinder.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

How did we create the Sopko legacy? Attention to detail and an unremitting commitment to quality that generations of grinding professionals have come to know as the unmatched standard of the industry. Today, customers are still asking for value, performance, and precision.
It's been nearly 50 years; we're still listening.

- HIGH QUALITY INTERNAL TAPERS for precision mounting.
- THREAD GROUND OD THREADS for maximum concentricity and squareness.
- HEAT TREATED COMPONENT PARTS for strength and reliability.
- CONCENTRIC and SQUARE GROUND SURFACES for better workpiece finishes.
- BLACK OXIDE FINISH to protect your investment.



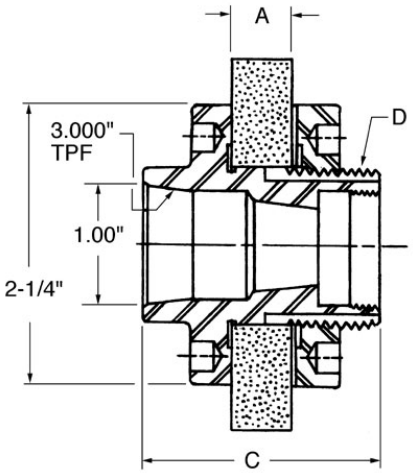


FIG. 1

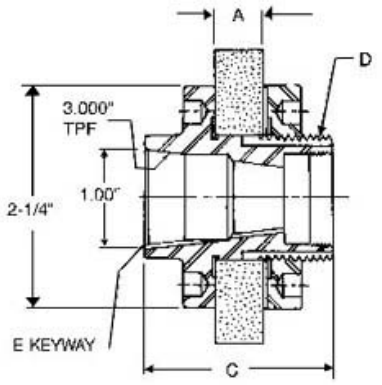


FIG. 2

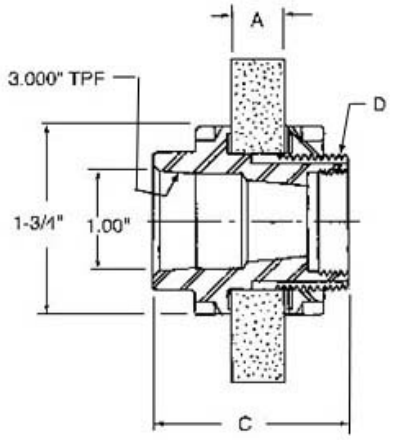


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	E
00100	1	100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00102	1	100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00105	1	100-1C	3/4	1-7/8	1-1/4-16LH	-
00101*	2	AN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	3/16
50183*	2	AN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	3/16
00112	2	KW100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	1/8
00200	1	200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00202	1	200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00208	1	K200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00216	1	K200-2	1/8 to 1/2	1-3/4	1-1/4-16RH	-
00217	1	200-1C	1/2	1-3/4	1-1/4-16LH	-
00201*	2	AN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00225*	2	AN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00226	2	KW200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	1/8
00227	2	KW200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	1/8
00300	1	300-1	3/4 to 1	2-1/4	1-1/4-16LH	-

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00303*	2	AN-300-1	3/4 to 1	2-1/4	1-1/4-16LH	3/16
00308*	2	AN-300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00302	1	300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00301	1	300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00304	1	300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00305	1	300-1C	1	2-1/4	1-1/4-16LH	-
00306	1	300-2C	1	2-1/4	1-1/4-16RH	-
00307	1	R300-2B	1/2 to 1-1/2	2-11/16	1-1/4-16RH	-
50319	2	KW300-1	3/4 to 1	2-1/4	1-1/4-16LH	1/8
00686	2	KW300-2	3/4 to 1	2-1/4	1-1/4-16RH	1/8
00207	3	X200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00245	3	X200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

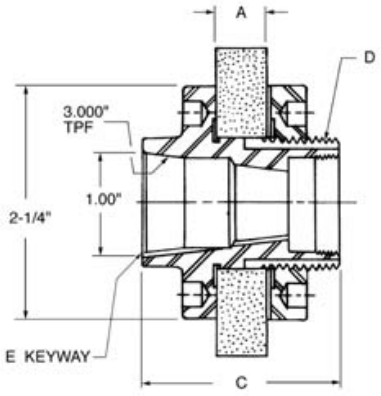
- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.



00345 **00348** **00366**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSION			
		A	C	D	E
00345	EN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00346	EN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00347	EN100-1C	3/4	1-7/8	1-1/4-16LH	-
00348	EN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00349	EN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00350*	ENA200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00351*	ENA200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00352**	ENK200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00353**	A2031-1	1/8 to 5/8	1-3/4	1-1/4-16LH	-
00355	EN200-1C	1/2	1-3/4	1-1/4-16LH	-

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00364	EN300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00365	EN300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00368	EN300-1C	1	2-1/4	1-1/4-16LH	-
00369	EN300-2C	1	2-1/4	1-1/4-16RH	-
00356	A2031-2	3/8 to 1	2-1/4	1-1/4-16LH	-
00366	EN300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00367	EN300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00370	A2031-5	3/8 to 1-1/2	2-11/16	1-1/4-16LH	-

Electroless nickel plating available on all Sopko adapters at additional cost.
*Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.
** Keyway to face.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.



00739

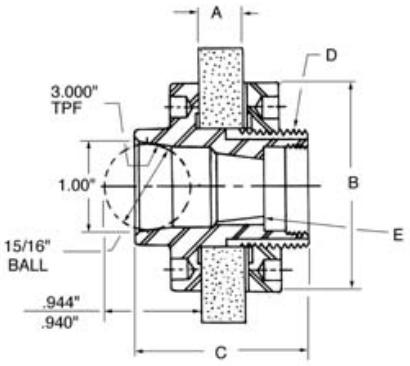


FIG. 1

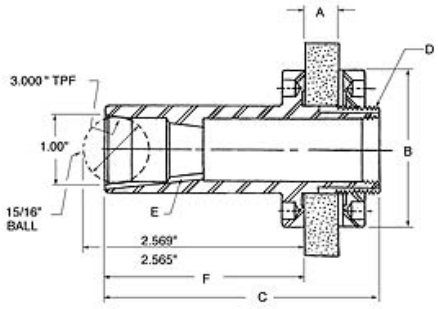


FIG. 2

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00738



00737

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

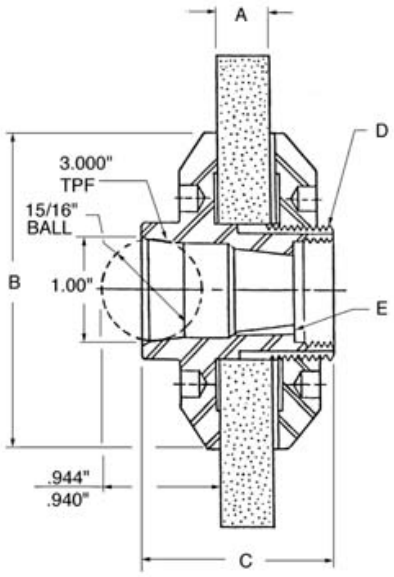


FIG. 3

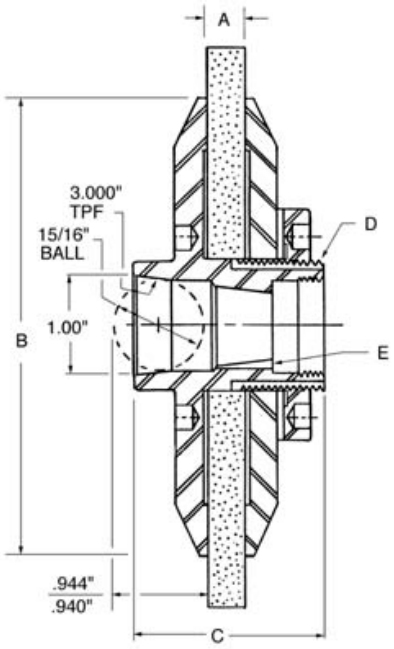


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

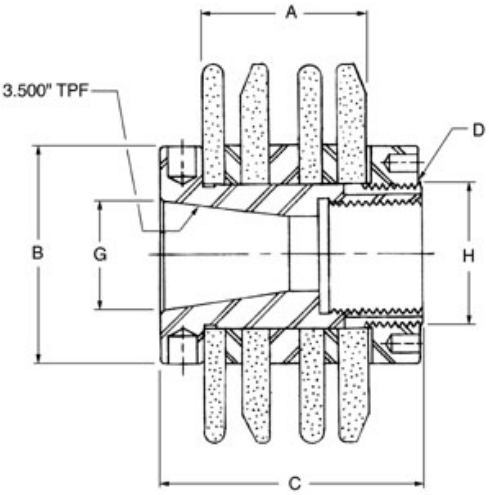
CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Grinding Machines Manufactured by ANCA, Victoria, Australia.

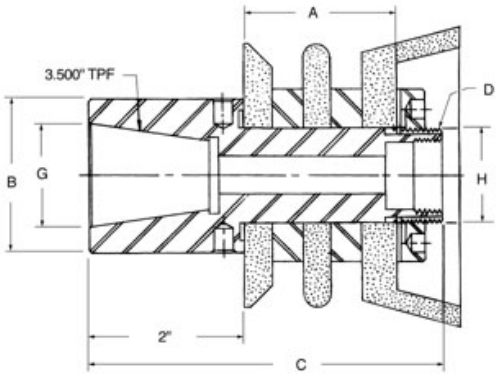
3.500" TPF WITH 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 2.000" ID WHEELS.

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Sopko quality Anca FASTGRIND adapters are made for the operator expecting the highest standard of performance required by today's fast set-up times and short production runs. Sopko assures this standard with quality features like PRECISION GROUND TAPERS for reliable spindle mating and CONCENTRICALLY GROUND AND SQUARE surfaces to optimize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these FASTGRIND adapters because Sopko HEAT TREATS every one. Every Anca adapter is furnished complete with a spindle mounting bolt, lock washer and recessed washer.







SOPKO CATALOG NO.	FIG.	ANCA PART NO.	DIMENSIONS A	B	C	D	G	H	MACHINE
00625	1	AT902-0-00-5026	1-1/8 to1-1/4	3	2-3/16	2-16RH	1.38	2.000	TG7/DM7
00626	1	AT902-0-00-5027	1-7/8 to 2	3	2-31/32	2-16RH	1.38	2.000	TG7/DM7
50063	1	-	2-5/8	3	3-9/16	2-16RH	1.38	2.000	TG7/DM7
00823	1	AT937-0-00-1009	3-1/4	3	4-1/8	2-16RH	1.38	2.000	TG7/DM7
00627	1	-	3-3/8 to 3-1/2	3	4-3/8	2-16RH	1.38	2.000	TG7/DM7
00822	1	AT937-0-00-1010	4-3/8	3	5-5/16	2-16RH	1.38	2.000	TG7/DM7
50163	2	AT902-0-01-5037	2	2	4.613	1-1/4-16RH	1.38	1.250	TG7/DM7
00628	1	AT913-0-00-1024	1-1/8	1-31/32	1-31/32	1-1/4-16RH	1.02	1.250	MG7/RG7
00629	1	AT913-0-00-1025	1-7/16 to 1-1/2	1-31/32	2-3/8	1-1/4-16RH	1.02	1.250	MG7/RG7
50186	1	-	2-1/8	1-31/32	3-1/32	1-1/4-16RH	1.02	1.250	MG7/RG7
50187	1	-	2-5/8	1-31/32	3-1/2	1-1/4-16RH	1.02	1.250	MG7/RG7
50188	1	-	3-1/8	1-31/32	4	1-1/4-16RH	1.02	1.250	MG7/RG7
50350*	1	-	2-1/2	3	3-7/16	2-16RH	1.02	2.000	MG7/RG7
00496**	1	AT913-2-00-1010	1-1/2 to 1-3/4	1-31/32	2-5/8	1-1/4-16RH	1.02	1.250	RGX
00521***	1	AT913-2-00-1020	2 to 2-1/2	1-31/32	3-19/64	1-1/4-16RH	1.02	1.250	RGX
00398***	1	AT913-2-00-1030	2-5/8 to 3	1-31/32	3-13/16	1-1/4-16RH	1.02	1.250	RGX
00879***	1	AT913-2-00-1040	3 to 3-3/8	1-31/32	4-7/32	1-1/4-16RH	1.02	1.250	RGX

* Allows use of 2" ID wheels on MG7/RG7 machines.

** Includes two 5MM spacers 01305, one 10MM spacer 01310, and bi-directional nut 00067.

*** Includes two 5MM spacers 01305, two 10MM spacers 01310, and bi-directional nut 00067.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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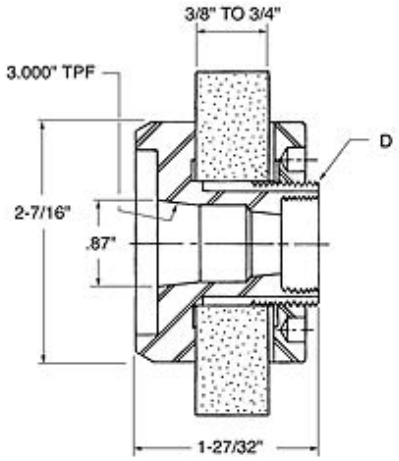
Adapters for Rockwell, Rockwell-Delta, Rockwell-Milwaukee Grinders, Harig, and Model 25 Grinder Manufactured by Gallmeyer & Livingston Co., Grand Rapids, MI.

3.000" TPF, 4.256" TPF, AND 4.250" TPF WITH 0.87", 1.00", AND 1.12" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Adapters for Rockwell, Rockwell-Delta, and Rockwell-Milwaukee grinders.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
00815	24-816-LH	1-1/4-16LH
00816	24-816-RH	1-1/4-16RH



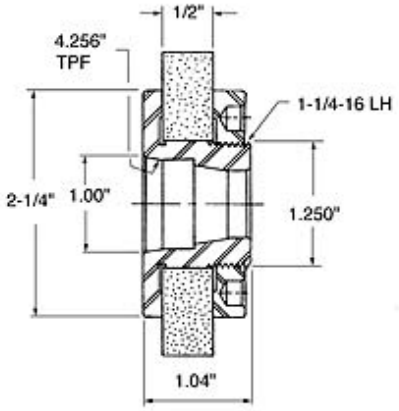


00815

TML adapter for older Harig surface grinders.







SOPKO CATALOG NO.
00169

(Front Side) **(Taper Side)**

00169

The Gallmeyer & Livingston Model 25 Grand Rapids Hydraulic Feed Grinder adapters feature a SHROUDED DESIGN to keep contamination away from the spindle. State of the art THREAD GRINDING of the hub, and CONCENTRIC AND SQUARE GROUND FLANGE SURFACES provide better workpiece finishes because the grinding wheel is locked precisely against the

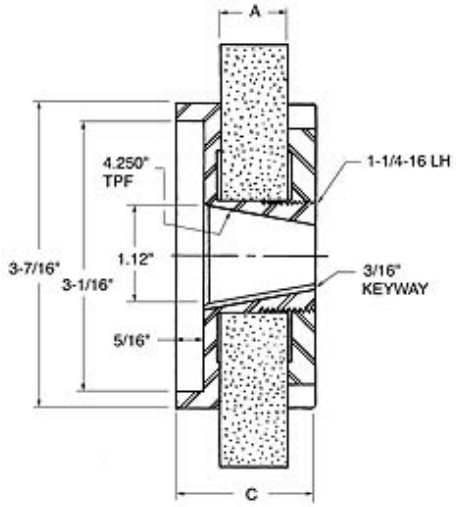
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adapter face. Lasting quality, performance, and value are optimized with HEAT TREATING and BLACK OXIDE FINISH.

SOPKO CATALOG NO.	DIMENSIONS A	C
00526	1/2 to 3/4	1-9/16
00527	1	1-7/8
00528	1 to 1-1/4	2-1/16



00528



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Standard Taper Pin Slot Wheel Adapters for Reversing Spindles.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.



00094



00275



00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F
00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-
00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

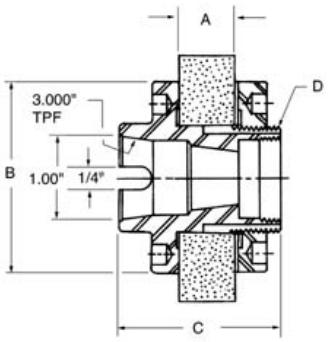


FIG. 1

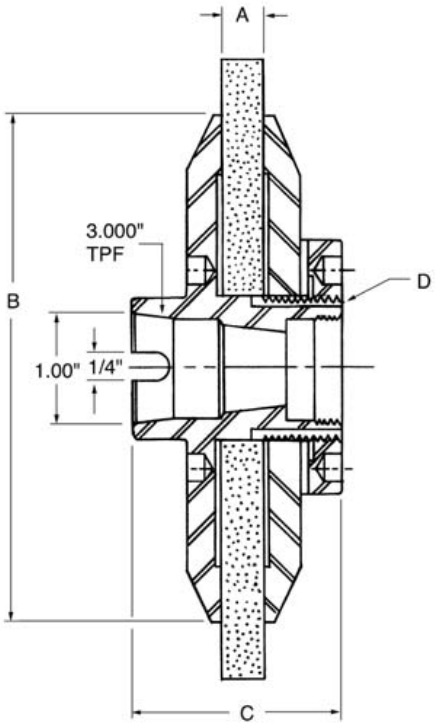


FIG. 2

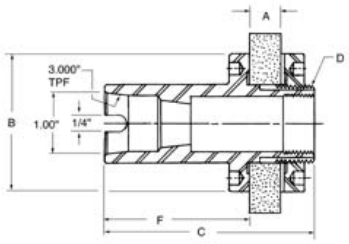


FIG. 3

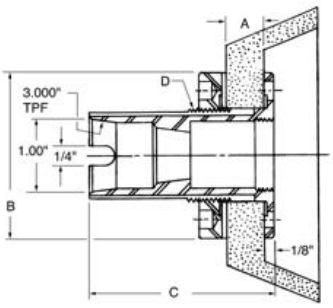


FIG. 4

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Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.25” AND 1.50" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000”, AND 5.000” ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01312
(Front Side)



01316
(Taper Side)

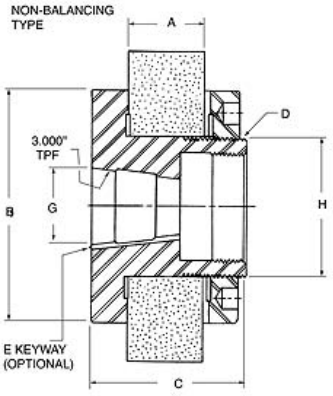


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
01312	1	5/8 to 1	3-1/2	2	2-18RH	1/4	1.25	2.000
01313	2	1/2 to 1	4-1/4	2-5/8	2-16RH	1/4	1.25	2.000
01316	2	1/2 to 1	4-1/4	2-3/4	3-16RH	1/4	1.25	3.000
01317	2	1/2 to 1	4-1/4	2-3/4	3-16LH	1/4	1.25	3.000
01318	2	3/4 to 2	5	3-3/8	3-16LH	-	1.50	3.000
01319	2	3/4 to 2	5	3-3/8	3-16RH	-	1.50	3.000
01320	2	1	6	3-3/8	4-16LH	-	1.50	4.000
01321	2	1	6	3-3/8	4-16RH	-	1.50	4.000
01322	2	3/4 to 2	7	3-3/8	5-16LH	-	1.50	5.000
01323	2	3/4 to 2	7	3-3/8	5-16RH	-	1.50	5.000

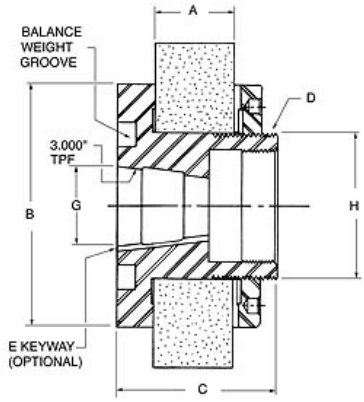


FIG. 2

00838	Three piece bronze balancing weight set for 01318, 01319, 01320, 01321, 01322, 01323
00830	Three piece bronze balancing weight set for 01312, 01316, 01317.
00832	Three piece bronze balancing weight set for 01313.



00830

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 2.000”, 3.000", 4.000", AND 5.000" ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and

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thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01337

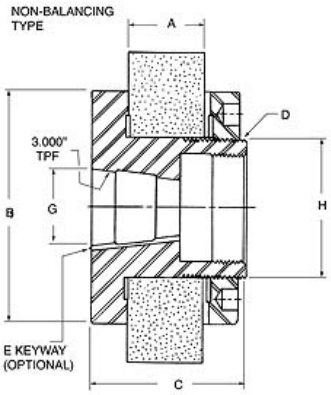


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
50328	2	1 to 1-1/2	5	3-1/4	3-16LH	1/4	1.62	3.000
01330	2	1-1/4 to 2	5	3-9/16	3-16LH	1/4	1.62	3.000
01324	2	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01325	1	1-1/4 to 2	5	3-9/16	2-16LH	1/4	1.62	2.000
01326	1	1-1/4 to 2	5	3-3/8	3-16RH	1/4	1.62	3.000
01327	2	3/4 to 2	5	3-3/8	3-16LH	-	1.62	3.000
01328	2	3/4 to 2	5	3-3/8	3-16RH	-	1.62	3.000
01329	1	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01332 *	2	1-1/4 to 2	7	3-9/16	3-16LH	1/4	1.62	3.000
01331 *	2	1-1/4 to 2	7	3-9/16	3-16RH	1/4	1.62	3.000
01333	2	3/4 to 2	6	3-3/8	4-16LH	-	1.62	4.000
01334	2	3/4 to 2	6	3-3/8	4-16RH	-	1.62	4.000
01335	2	3/4 to 2	7	3-3/8	5-16LH	-	1.62	5.000
01336	2	3/4 to 2	7	3-3/8	5-16RH	-	1.62	5.000
01337	2	1 to 2-1/2	5	4-1/4	3-16RH	1/4	2.25	3.000
01338	2	1 to 2-1/2	5	4-1/4	3-16LH	1/4	2.25	3.000
01339 *	2	1 to 2-1/2	7	4-1/4	3-16RH	1/4	2.25	3.000
01340 *	2	1 to 2-1/2	7	4-1/4	3-16LH	1/4	2.25	3.000

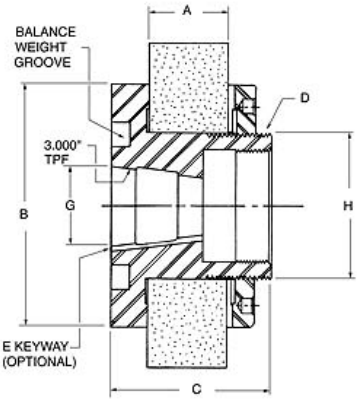


FIG. 2

00831	Three piece bronze balancing weight set for 01324, 01330, 01331, 01332, 01337, 01338, 01339, 01340.
00834	Three piece bronze balancing weight set for 01326.



00831

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* 5" diameter nut.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000” TPF WITH 1.62” AND 2.25” DIAMETER AT LARGE END OF TAPER.
FOR 5.000” AND 8.000” ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use.

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01342

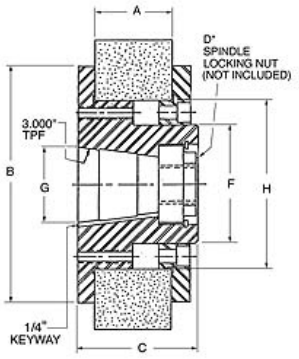


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS							SNAP RING
		A	B	C	D*	F	G	H	
01341	1	3/4 to 1-1/2	7	2-9/16	3/4-16	3-1/2	1.62	5.000	04248
01357	1	1 to 2-1/2	7	3-9/16	1-1/8-12	3-1/2	2.25	5.000	04358
01342	2	3/4 to 1-3/4	7	2-13/16	3/4-16	3-5/8	1.62	5.000	01830
01343	2	1 to 2-1/2	7	3-9/16	1-1/8-12	3-5/8	2.25	5.000	01830
01344	2	1-3/4 to 3	10	4-1/16	1-1/8-12	4	2.25	8.000	01830

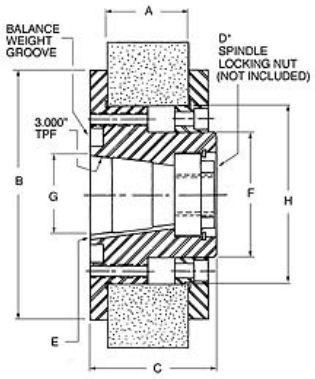


FIG. 2

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01341	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
01342	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
	1-1/2 to 1-3/4	01797	3/8-16X2-1/4	4
01343	1 to 1-1/2	01798	3/8-16X1-1/2	4
	1-3/4 to 2	01797	3/8-16X2-1/4	4
01357	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
01344	1-3/4 to 2	01797	3/8-16X2-1/4	4
	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	2-3/4 to 3	01800	3/8-16X3-1/4	4



01797



00828

00828	Three piece bronze balancing weight set for 01342 and 01343.
00826	Three piece bronze balancing weight set for 01344.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 3.000" AND 5.000" ID WHEELS.

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01353
(Front Side)



01351
(Taper Side)

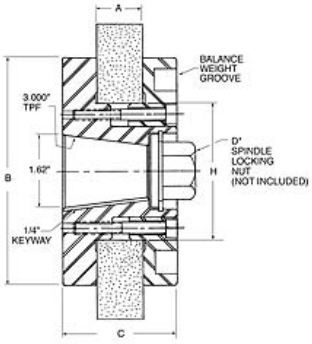


FIG. 1

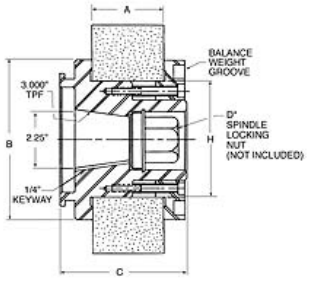


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS			
		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

OPTIONAL SOCKET HEAD CAP SCREW SETS.

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.
00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

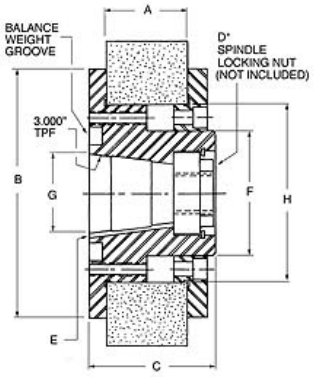
3.000" TPF WITH 2.62", 3.00" AND 3.75" DIAMETER AT LARGE END OF TAPER.
FOR 5.000", 8.000" AND 12.000" ID WHEELS.

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The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use. And of course, the high quality internal taper is unsurpassed for precision spindle mounting.



01345



SOPKO CATALOG NO.	DIMENSIONS								SNAP RING
	A	B	C	D*	E	F	G	H	
01345	1-1/2 to 2-3/4	7	4-3/16	1-1/2-12	1/4	3-5/8	2.62	5.000	01830
01346	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	2.62	12.000	01830
01347	1-3/4 to 3	7	4-11/16	1-1/2-12	1/4	3-5/8	3.00	5.000	01830
01348	1-3/4 to 3	10	4-5/16	1-1/2-12	1/4	5-1/2	3.00	8.000	01830
01349	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	3.00	12.000	01830
01350	2-1/4 to 4	10	5-1/2	2-1/4-12	3/8	5-1/2	3.75	8.000	04331



01801

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01345	1-1/2 to 2	01801	3/8-16X2-1/2	4
	2-1/4 to 2-3/4	01800	3/8-16X3-1/4	4
01346	1-3/4 to 2-1/4	01811	3/8-16X3	6
01347	2-1/2 to 3	01802	3/8-16X3-1/2	4
01349	6			
01348	1-3/4 to 2-1/4	01803	1/2-13X3	6
	2-1/2 to 3	01804	1/2-13X3-1/2	6
	2-1/4 to 2-3/4	01805	1/2-13X2-1/2	6
01350	3 to 3-1/2	01806	1/2-13X3-1/4	6
	4	01807	1/2-13X4	6



00829

00829	Three piece bronze balancing weight set for 01346 and 01349.
00826	Three piece bronze balancing weight set for 01345, 01347, 01348, and 01350.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Wheel Adapters for Wickman OPG and Sheffield Micro-Form Grinders.

3.500" TPF WITH .56" DIAMETER AT LARGE END OF TAPER.
FOR .750" AND 1.250" ID WHEELS.

Designed for the Wickman OPG Grinder and the Sheffield 121, 122, and 122A Micro-Form Grinder, these adapters feature a one piece hub design to distribute mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock. For optimum micro finishes, all surfaces have been ground concentric and square. A precision taper makes spindle mounting reliable, and the heat treated hub and nut assures long-life and safe operation. Spindle uses a 5/16-24LH spindle nut 05335 (not furnished).



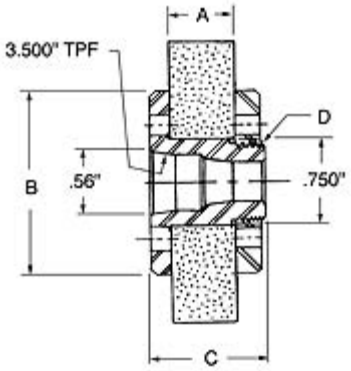


FIG. 1

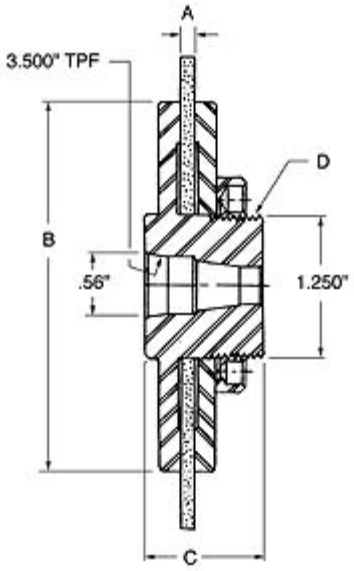


FIG. 2

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	B	C	D
00676*†	1	A-12930-3/4	1/2	1-7/8	1	11/16-24LH
00677*	2	A-12930-2	1/2	2	1-1/32	1-1/4-16LH
00678*	2	A-12930-3-1/4	1/16 to 1/4	3-1/4	1	1-1/4-16LH

See page 74 for accessory flanges.
*Older style Wickman grinders.
†With 11/16-24LH adapter nut 04284.

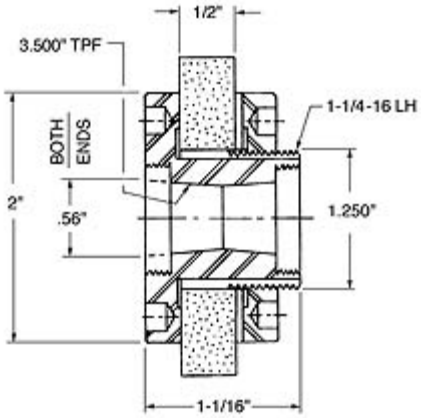
This precision ground double-taper reversible adapter is designed for the Wickman OPG Grinder and the Sheffield 121, 122, and 122A Micro-Form Grinder. The adapter is furnished with a 5/16-24LH special tapered hex spindle nut 05105.

SOPKO CATALOG NO.

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50074



50074

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

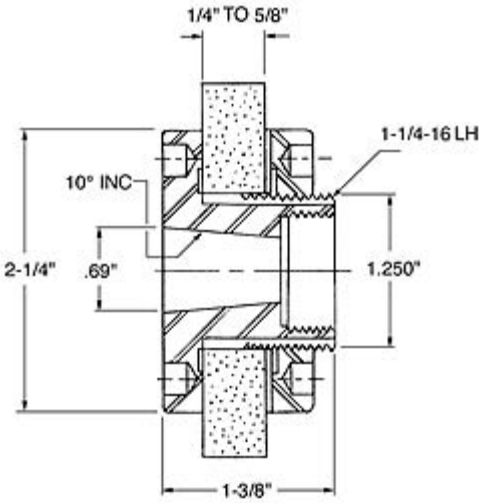
William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Wheel Adapters for Wickman OPG and Sheffield Micro-Form Grinders.

10° INC ANGLE TAPER WITH .69" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

For newer style Wickman Grinders.





01020

SOPKO CATALOG NO.	SOPKO PART NO.
01020	S102

01021 (S102RWA) WICKMAN REVERSIBLE WHEEL ADAPTER. Ideal for diamond wheel use, this adapter has a precision ground double-taper to make wheel mounting

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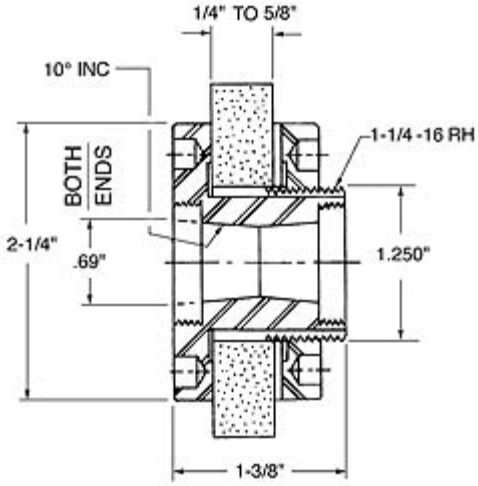
in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle taper.



(Front Side)



(Rear Side)



01021

SOPKO CATALOG NO.	SOPKO PART NO.
01021*	S102RWA

* Newer style Wickman grinders.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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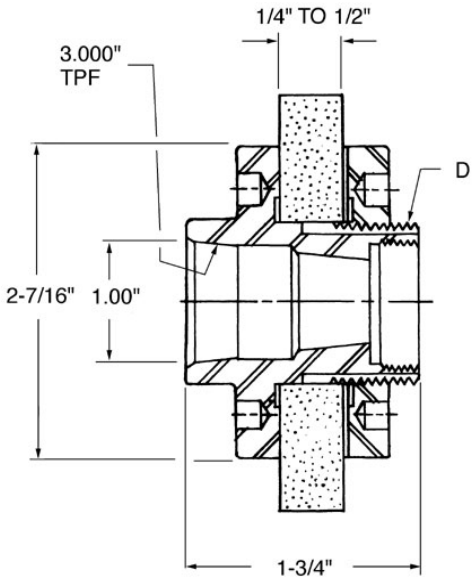
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

00220 (220-1) is the standard replacement adapter for Bridgeport-Harig and Parker PM Majestic grinding machines using 7" diameter wheels.



00220

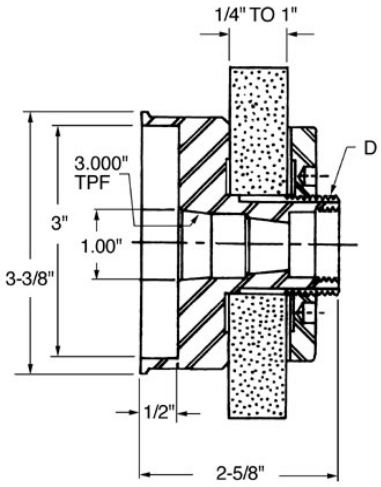


SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00220	220-1	1-1/4-16LH
00221	220-2	1-1/4-16RH

Providing optimum protection against contamination to the wheelhead spindle nose, these high-quality SHROUDED ADAPTERS are designed for performance. Sopko assures this standard with quality features like PRECISION GROUND TAPERS and CONCENTRICALLY GROUND AND SQUARE surfaces to maximize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these adapters because Sopko HEAT TREATS every one.



(Front Side) 00180 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00180	2BY-LH	1-1/4-16LH
00181	2BY-RH	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Abrasive (Gardner), DeVlieg, and ELB Grinders.

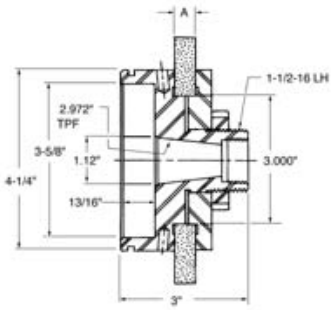
2.972" TPF, 3.000" TPF, AND 11° 20' INC ANGLE TAPER WITH 1.12", 1.00", AND .98" DIAMETER AT LARGE END OF TAPER. FOR 3.000" AND 1.250" ID WHEELS.

The 00813 ABRASIVE (GARDNER) No. 1-1/2, 10"x15" manual surface grinder adapter features a 13/16" deep shrouded design to keep contaminants away from the spindle.
To maximize cutting conditions and to prolong wheel life, Sopko provides PRECISION GROUND TAPERS, and CONCENTRIC AND SQUARE SURFACES. OD threads are GROUND and hubs and nuts are HEAT TREATED FOR STRENGTH.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		A
00813	ABR 1-1/2	1/2 to 2



00813

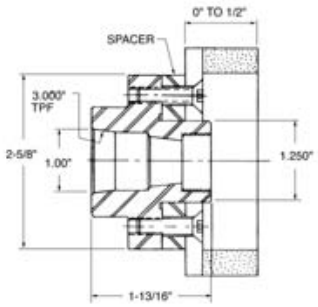


The 00191 DEVLIEG MICRO-POINT GRINDER ADAPTER is designed for plate-mounted grinding wheels with the abrasive medium bonded to a steel wheel. Four 1/4-20 tapped holes, used to lock the wheel in place, are positioned on a 2" diameter center-line. Assembled with hub and 3/8" spacer, 1/4-20 screws are not included.

SOPKO CATALOG NO.	SOPKO PART NO.
00191	DV262

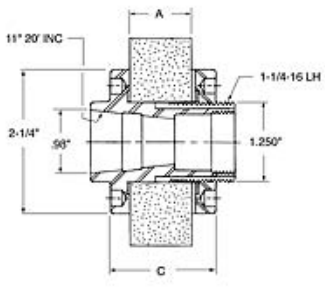


00191



For older ELB GRINDERS and new MIGHTY FREEPORT 618 GRINDERS.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	C
00177 *	ELB200-1	3/8 to 1/2	1-3/4
00178 *	ELB300-1	3/4 to 1	2-1/4
00179 *	ELB400-1A	1 to 2	3-3/16



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00177

* For small Elb surface grinders.
Larger Elb adapters can be manufactured as specials.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Clausing 1020, 4020, Covel 35, Covel 35B, Ingersoll Milling Co. and Brown & Sharpe No. 5 Grinders.

1:5 TAPER RATIO, 3.500" TPF AND 3.000" TPF, WITH 1.03”, 1.31" AND 1.50" DIAMETER AT LARGE END OF TAPER. FOR 1.25O”, 2.000" AND 3.000" ID WHEELS.

FOR CLAUSING 1020 GRINDERS.

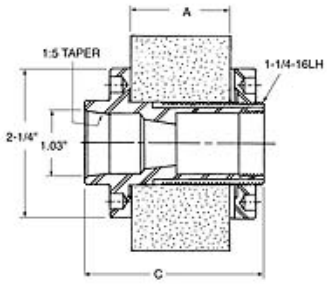
SOPKO CATALOG NO.	DIMENSIONS A	C
00473	2	3-3/16
00474*	3	4-3/16



00473



00474



* Balancing style adapter.

FOR CLAUSING 4020, COVEL 35, AND COVEL 35B GRINDERS.

SOPKO CATALOG NO.	SOPKO PART NO.
00693	17-17H



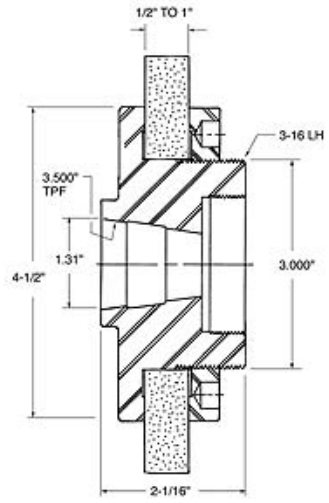
(Front Side)

00693



(Taper Side)

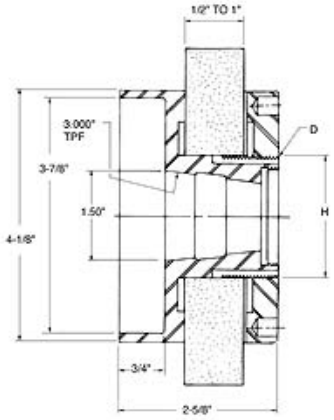
Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com



These shrouded adapters, for Brown & Sharpe No. 5 surface grinders and the Ingersoll Milling Machine grinders, feature a 3/4" deep shroud that surrounds the wheelhead spindle nose and provides optimum protection against contamination. Fully HEAT TREATED, you can expect years of performance and with standard features like PRECISION GROUND TAPERS, and CONCENTRICALLY GROUND AND SQUARE surfaces, you're assured of optimum cutting conditions too.



(Front Side) **00182** **(Taper Side)**



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		D	H
00182	23-1569	2-16LH	2.000
00183*	25-1569	3-16LH	3.000

* Most popular.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Jones & Shipman Grinders.

15° INC ANGLE TAPER AND 3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

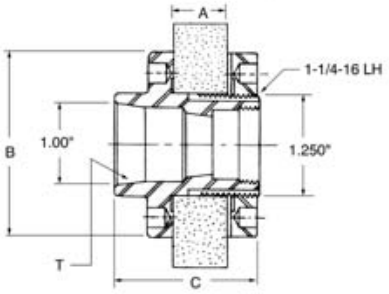
Jones & Shipman 540 and 1400 series surface grinder adapters feature a 15° INC** high quality PRECISION GROUND TAPER for exceptional spindle engagement. Added value is achieved with CONCENTRICALLY GROUND AND SQUARE SURFACES along with THREAD GROUND OD threads to optimize cutting conditions and prolong wheel life. All adapter hubs are CARBURIZED AND HARDENED for durability.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com



05314

SOPKO CATALOG NO.	DIMENSIONS			
	A	B	C	T
50136	1/4 to 3/4	2-1/4	1-7/8	15° INC **
50137	1/4 to 1/2	2-1/4	1-3/4	15° INC **
50111	1/2	3	1-3/4	15° INC **
05314	1/4 to 1/2	2-1/4	1-3/4	3.000 *

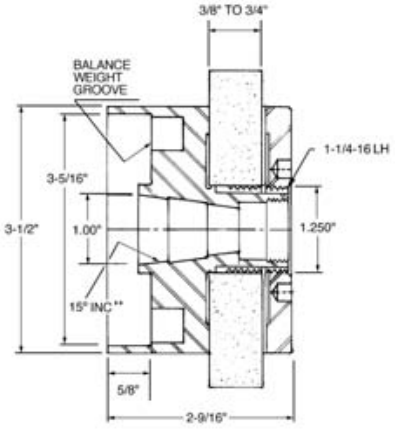


* Any 3.000" TPF, 1.00" LE adapter can be altered to taper length of 1-3/16".
** Europe and Canada only.

Now you can protect the wheelhead spindle from the harsh realities of heat, swarf, and high pressure coolants with these quality Jones & Shipman 540 and 1400 series shrouded adapters. From taper to finish Sopko has designed these shrouded adapters for performance with standard features like:

- High Quality Internal Tapers.
- Thread Ground OD threads.
- Heat Treated Component Parts.
- Concentric and Square Ground Surfaces.
- Black Oxide finish.





SOPKO CATALOG NO.
00647†
00907

00647

** Europe and Canada only.
† Includes three piece bronze balancing weight set 00861.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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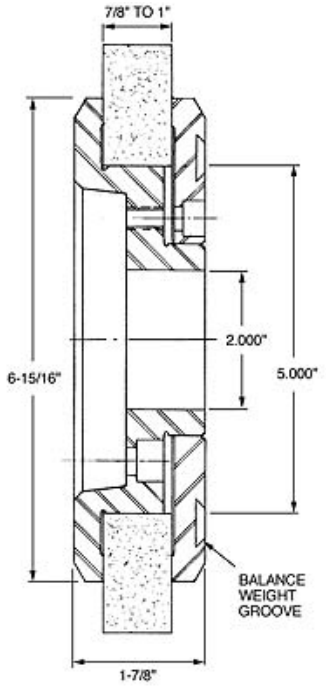
Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Wheel Adapters for Jones & Shipman Grinders.

FOR 13° 43’ 08” INC ANGLE TAPER* AND 2" STRAIGHT BORE WITH 1.605" DIAMETER AT LARGE END OF TAPER. FOR 5.000" ID WHEELS.

A tradition of quality manufacturing makes this Jones and Shipman series 1076 straight bore bolt-on flange balancing adapter an outstanding value. Two precison ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, the adapter is furnished with a three piece steel balancing weight set 00859, three 5/16-18RH x 1/2" SHCS 05941 flange bolts.

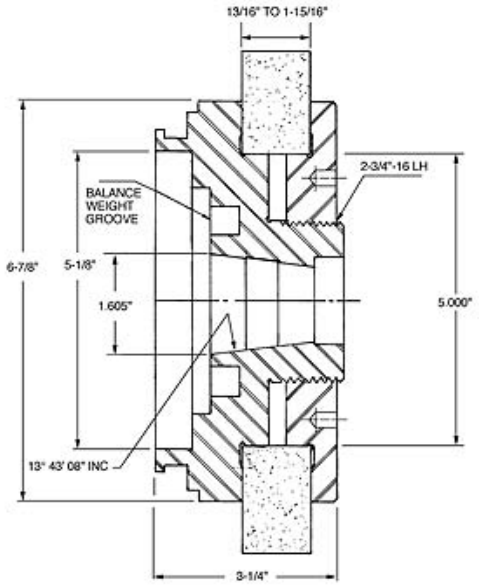




SOPKO CATALOG NO.
01195

01195
(Front Side)

This premium quality Jones & Shipman series 1310 universal cylindrical grinder balancing adapter features the highest quality 13° 43’ 08” INC angle internal taper for precise spindle mounting and pre-heat treated hubs and nuts for strength and long life. Precision ground surfaces and thread ground threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes. Adapter furnished with three piece bronze balancing weight set 00861.



SOPKO CATALOG NO.

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01836

01836
(Taper Side)

*Europe and Canada only.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Okamoto DX Series Grinders.

3.000" TPF AND 1:5 TAPER RATIO WITH 1.00" AND 1.75" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 5.000" ID WHEELS.

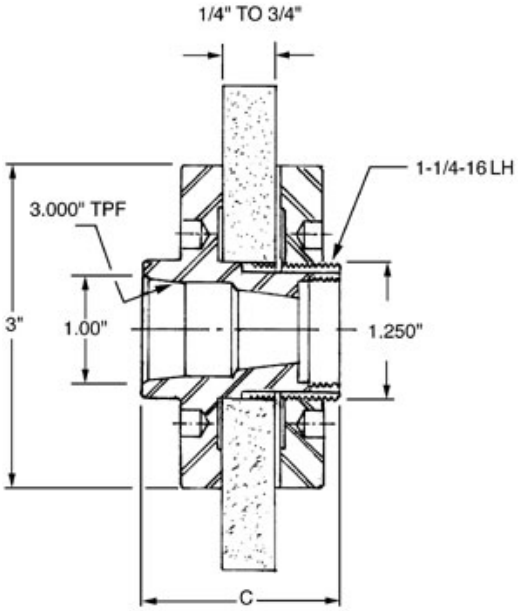
Standard adapter for 6.18DX and 8.20DX saddle type surface grinders.

SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS C
00129	A521	1-15/16
02681*	-	2-3/64

* Balancing style adapter includes weight set 00862.



00129

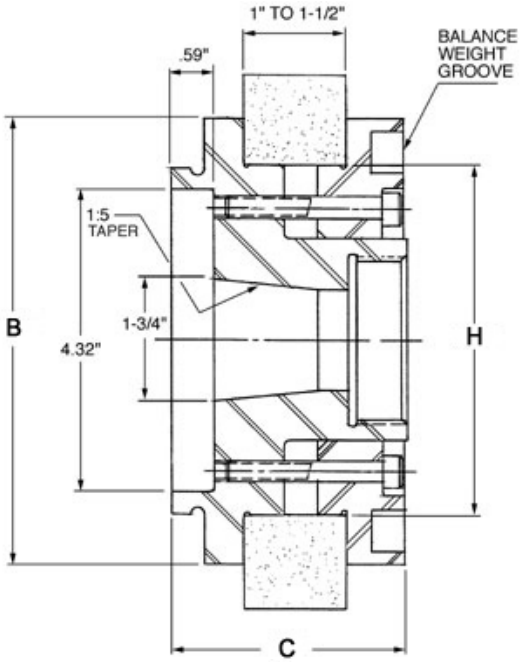


Bolt-on flange balancing adapter for 12.24DX, 16.24DX, 16.32DX, 20.24DX, 20.36DX and 20.40DX saddle type surface grinders.

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00636



SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS		
		B	C	H
00908†	A621-3	5	3-1/4	3.000
00636**	A621-5	6-3/8	3-3/8	5.000

† Includes balancing weight set 00831 and 6 piece SHCS set 00614.
** Includes balancing weight set 00864 and 6 piece SHCS set 00614.

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
00636	27MM to 38MM (1" to 1.50")	01834	5/16-18 X 2-1/4	6
00908	1"	00614	5/16-18 X 1-1/4	6
	1-1/2"	00615	5/16-18 X 1-1/2	6

** Includes balancing weight set 00864.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Pope Style Wheel Adapters.*

3.000” TPF and 4.500” TPF WITH 1.00" AND .87" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

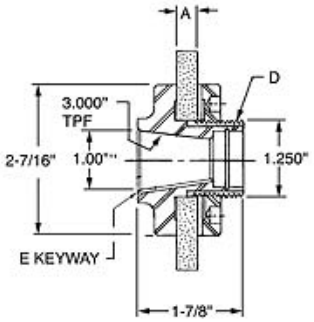
Balancing, non-balancing, and shrouded type adapters are available for Pope Precision spindles. Made from 32 Rc alloy steel, these Pope style adapters feature concentric and square ground surfaces for optimum surface finishes. Thread ground OD threads assure safe, square wheel locking conditions and precisely ground internal tapers offer reliable spindle engagement.

SOPKO CATALOG NO.	POPE PART NO.	DIMENSIONS		
		A	D	E
00534	WS-100-1	1/4 to 3/4	1-1/4-16LH	-
00535	WS-100-2	1/4 to 3/4	1-1/4-16RH	-
00536	-	1/4 to 3/4	1-1/4-16LH	3/16

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00537	-	1/4 to 3/4	1-1/4-16RH	3/16

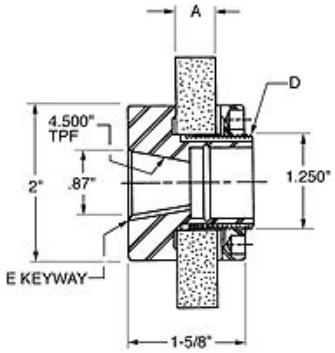




00534

SOPKO CATALOG NO.	DIMENSIONS		
	A	D	E
00529	1/8 to 5/8	1-1/4-16LH	3/16
00530	1/8 to 5/8	1-1/4-16RH	3/16
00531	1/4 to 5/8	1-1/4-16RH	1/8
00532	1/8 to 5/8	1-1/4-16LH	-
00533	1/8 to 5/8	1-1/4-16RH	-

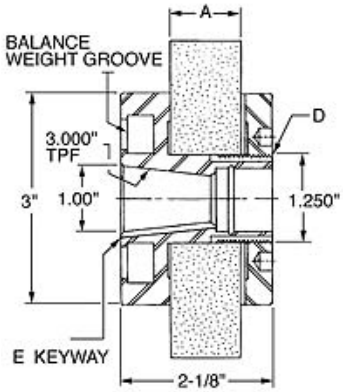




00529

SOPKO CATALOG NO.	POPE PART NO.	DIMENSIONS		
		A	D	E
00542	WS-330-1	1/4 to 1	1-1/4-16LH	-
00543	WS-330-2	3/4 to 1	1-1/4-16RH	-
00544	-	3/4 to 1	1-1/4-16LH	3/16
00545	-	3/4 to 1	1-1/4-16RH	3/16
00827	Set of three hex weights for 00542, 00543, 00544, and 00545 balancing adapters.			

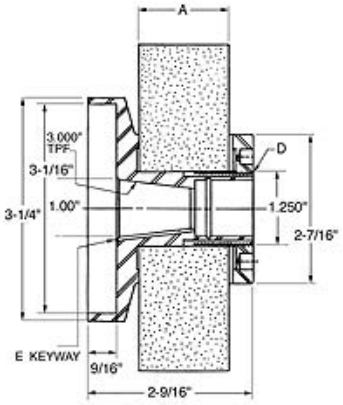




00542

SOPKO CATALOG NO.	DIMENSIONS		
	A	D	E
00546	5/8 to 1-1/4	1-1/4-16RH	1/8
00538	5/8 to 1-1/4	1-1/4-16LH	3/16
00539	5/8 to 1-1/4	1-1/4-16RH	3/16
00540	5/8 to 1-1/4	1-1/4-16LH	-
00541	5/8 to 1-1/4	1-1/4-16RH	-





00538

* Lock ring 04278 is not included with any adapter listed on this page.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 3.000" AND 5.000" ID WHEELS.



01353 (Front Side)



01351 (Taper Side)

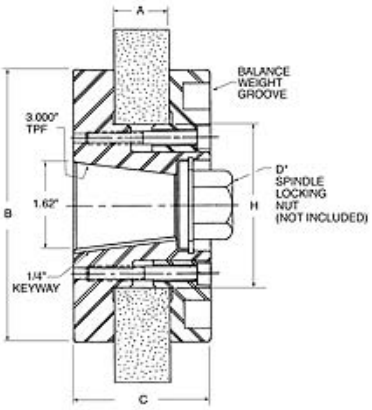


FIG. 1

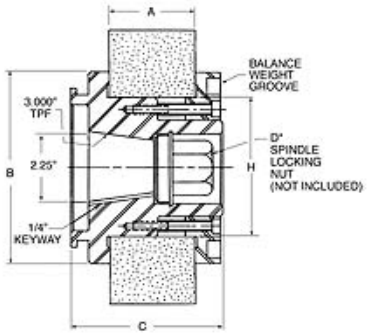


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS			
		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

OPTIONAL SOCKET HEAD CAP SCREW SETS.

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.
00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

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Adapters for Rockwell, Rockwell-Delta, Rockwell-Milwaukee Grinders, Harig, and Model 25 Grinder Manufactured by Gallmeyer & Livingston Co., Grand Rapids, MI.

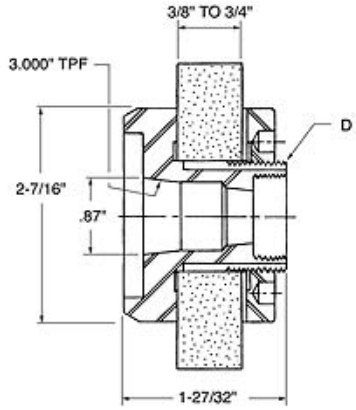
3.000" TPF, 4.256" TPF, AND 4.250" TPF WITH 0.87", 1.00", AND 1.12" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Adapters for Rockwell, Rockwell-Delta, and Rockwell-Milwaukee grinders.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
00815	24-816-LH	1-1/4-16LH
00816	24-816-RH	1-1/4-16RH



00815



TML adapter for older Harig surface grinders.

SOPKO CATALOG NO.
00169

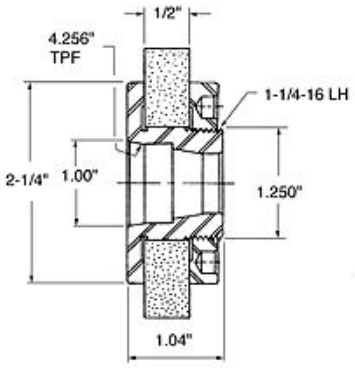


(Front Side)



(Taper Side)

00169

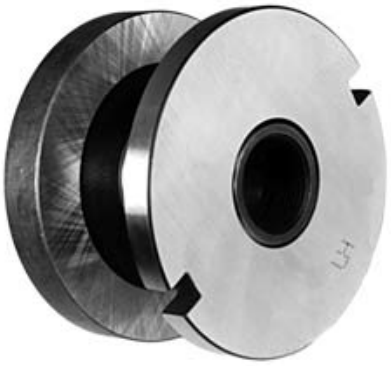


The Gallmeyer & Livingston Model 25 Grand Rapids Hydraulic Feed Grinder adapters feature a SHROUDED DESIGN to keep contamination away from the spindle. State of the art THREAD GRINDING of the hub, and

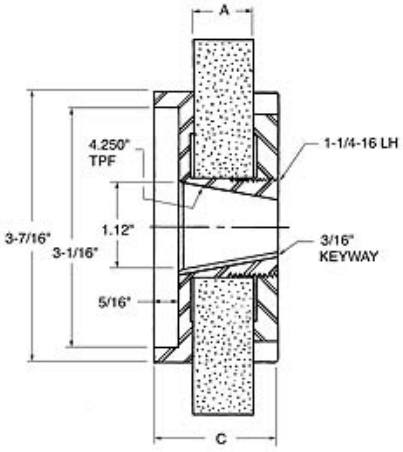
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CONCENTRIC AND SQUARE GROUND FLANGE SURFACES provide better workpiece finishes because the grinding wheel is locked precisely against the adapter face. Lasting quality, performance, and value are optimized with HEAT TREATING and BLACK OXIDE FINISH.

SOPKO CATALOG NO.	DIMENSIONS A	C
00526	1/2 to 3/4	1-9/16
00527	1	1-7/8
00528	1 to 1-1/4	2-1/16



00528



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Stainless Steel Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

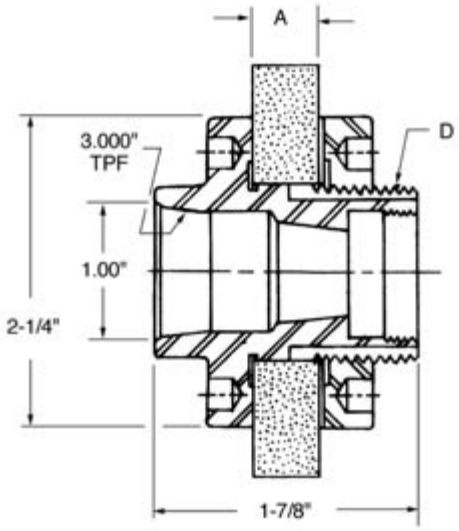
Made from 300 series stainless steel, and designed for applications that require the ultimate in corrosion resistance, these adapters are used widely in medical applications. They are anti-magnetic, which makes them ideal for cutting slots or grooves in magnetic materials. Hub, washer, and nut are all made from 300 series stainless steel.



00259



00267



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00259	SS100-1	3/8 to 3/4	1-1/4-16LH
00261	SS100-2	3/8 to 3/4	1-1/4-16RH
00211	S100/200-1	1/2 to 3/4	1-1/4-16LH
00267	SS100/200-2	1/2 to 3/4	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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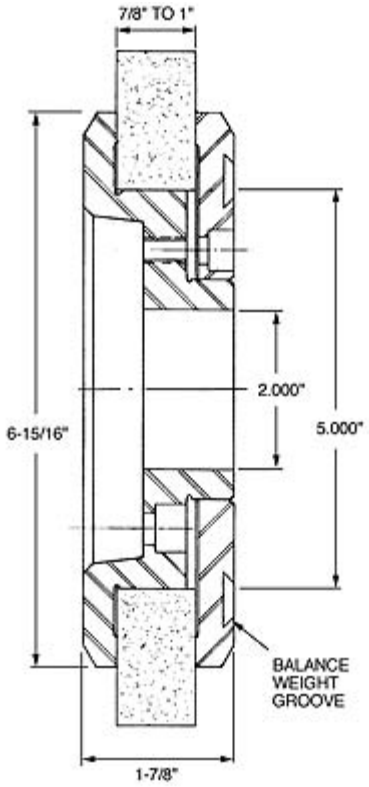
Wheel Adapters for Jones & Shipman Grinders.

FOR 13° 43’ 08” INC ANGLE TAPER* AND 2" STRAIGHT BORE WITH 1.605" DIAMETER AT LARGE END OF TAPER. FOR 5.000" ID WHEELS.

A tradition of quality manufacturing makes this Jones and Shipman series 1076 straight bore bolt-on flange balancing adapter an outstanding value. Two precison ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, the adapter is furnished with a three piece steel balancing weight set 00859, three 5/16-18RH x 1/2" SHCS 05941 flange bolts.



01195
(Front Side)

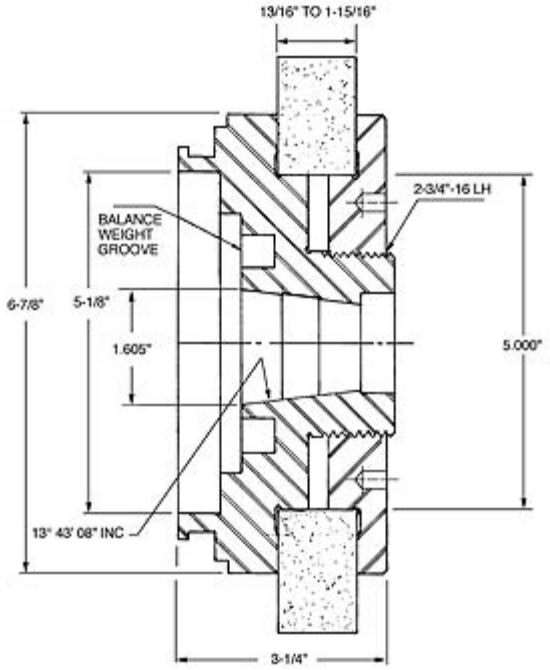


SOPKO CATALOG NO.
01195

This premium quality Jones & Shipman series 1310 universal cylindrical grinder balancing adapter features the highest quality 13° 43’ 08” INC angle internal taper for precise spindle mounting and pre-heat treated hubs and nuts for strength and long life. Precision ground surfaces and thread ground threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes. Adapter furnished with three piece bronze balancing weight set 00861.

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SOPKO CATALOG NO.
01836

01836
(Taper Side)

*Europe and Canada only.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Straight Bore Wheel Adapters.

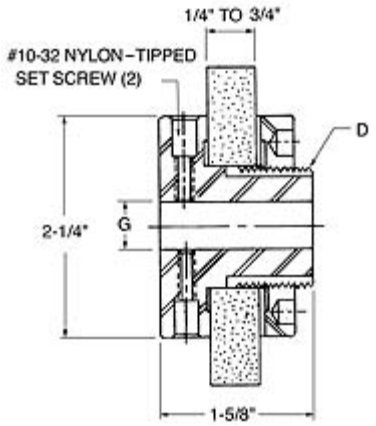
WITH .500", .625", AND .750" BORES.
FOR 1.250" ID WHEELS.



00147

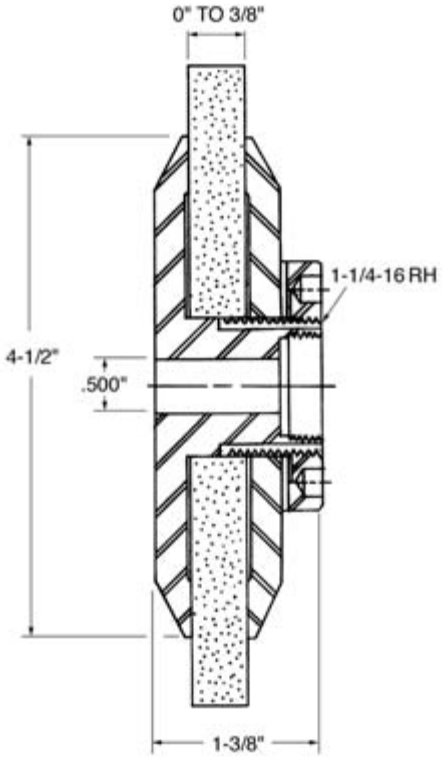
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		D	G
00147	S117-1/2-1	1-1/4-16LH	0.500
00148	S117-1/2-2	1-1/4-16RH	0.500

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00149	S117-5/8-1	1-1/4-16LH	0.625
00150	S117-5/8-2	1-1/4-16RH	0.625
00151	S117-3/4-1	1-1/4-16LH	0.750
00152	S117-3/4-2	1-1/4-16RH	0.750





SOPKO CATALOG NO.	SOPKO PART NO.
00153*	DM4.5-2

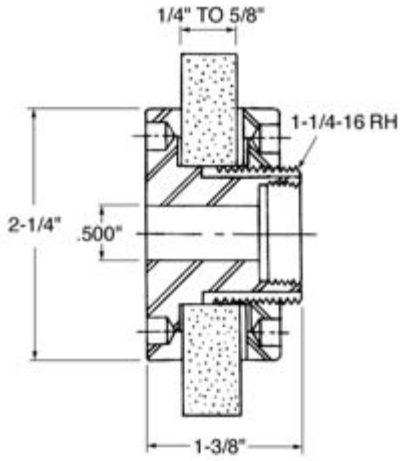
00153

*Designed to be used on the Dumore 5X350 external wheel spindle and perfect for thin diamond wheels.



SOPKO CATALOG NO.	SOPKO PART NO.

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00154**	DM200-2	**00154**

**Designed to be used on the Dumore 5X350 external wheel spindle.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Cincinnati Taper Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Adapter locked on spindle taper with bolt.



SOPKO CATALOG NO.	FIG	SOPKO PART NO.	DIMENSIONS A	B	C	D
00108**	1	C100-1KW	3/4 to 1	2-1/4	2	1-1/4-16LH
00253**	1	C100-2KW	3/4 to 1	2-1/4	2	1-1/4-16RH
00278*	1	C200-1KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
00239*	1	C200-2KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH
00279*	1	CX200-2KW	1/4 to 1/2	2	1-3/8	1-1/4-16RH
00407**	1	C400-1AKW	2	2-1/4	3	1-1/4-16LH
00408**	1	C400-2AKW	2	2-1/4	3	1-1/4-16RH
00409**	1	C400-1BKW	1 to 2	2-1/4	3	1-1/4-16LH
00411**	1	C400-2BKW	1 to 2	2-1/4	3	1-1/4-16RH
00282*	2	C230-1KW	1/4 to 1/2	3	1-3/8	1-1/4-16LH
00283*	2	C230-2KW	1/4 to 1/2	3	1-3/8	1-1/4-16RH
00284*	2	C235-1KW	1/4 to 1/2	3-1/2	1-3/8	1-1/4-16LH

*Spindle mounting bolt 14362 and retaining ring 04269 included.
**Includes spindle mounting bolt 14362 but no retaining groove or ring.

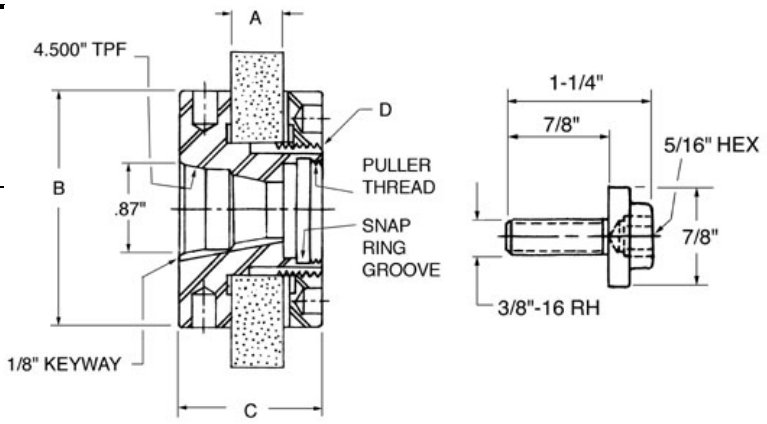


FIG.1

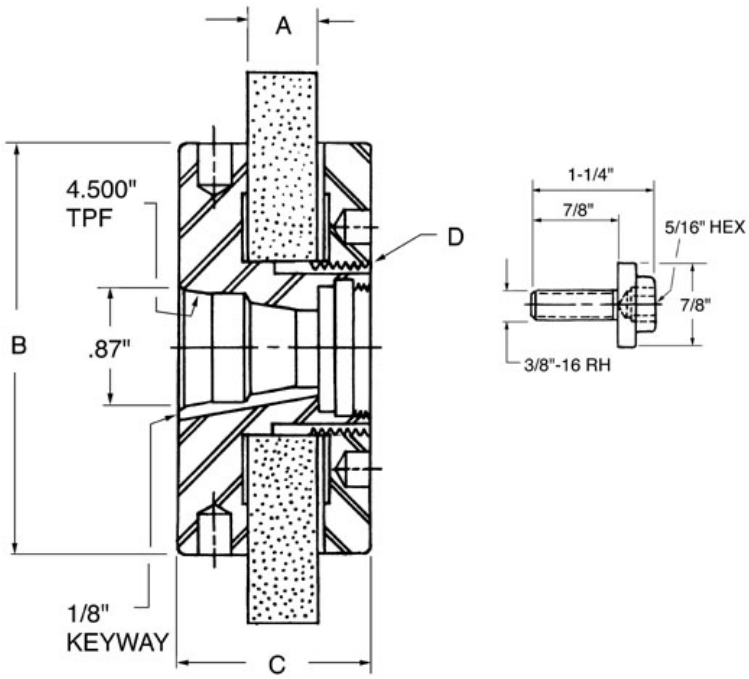


FIG.2

For older style Cincinnati flat belt, center drive spindles. No keyway in taper. Adapter locked on spindle taper with spindle nut.*



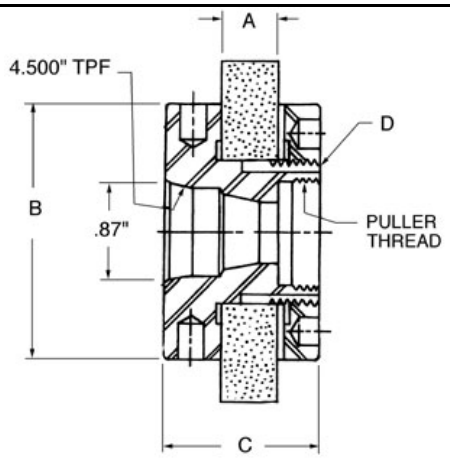


FIG.1

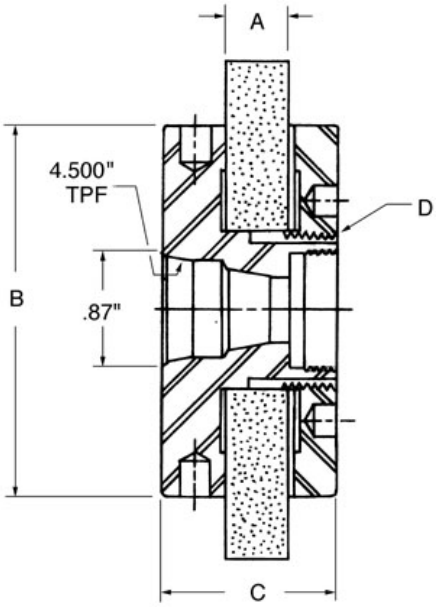
SOPKO CATALOG NO.	FIG	SOPKO PART NO.	DIMENSIONS A	B	C	D
00103	1	C100-1	3/4 to 1	2-1/4	2	1-1/4-16LH
00104	1	C100-2	3/4 to 1	2-1/4	2	1-1/4-16RH
00205	1	C200-1	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
00206	1	C200-2	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH
00280	1	C200-2C	1/2	2-1/4	1-3/8	1-1/4-16RH
00281	1	CX200-2	1/4 to 1/2	2	1-3/8	1-1/4-16RH
00442	1	C400-1A	2	2-1/4	3	1-1/4-16LH
00443	1	C400-2A	2	2-1/4	3	1-1/4-16RH
00444	1	C400-1B	1 to 2	2-1/4	3	1-1/4-16LH
00445	1	C400-2B	1 to 2	2-1/4	3	1-1/4-16RH

FIG.2

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00109	2	C130-2	3/4 to 1	3	2	1-1/4-16RH
00287	2	C230-1	1/4 to 1/2	3	1-3/8	1-1/4-16LH
00288	2	C230-2	1/4 to 1/2	3	1-3/8	1-1/4-16RH

*Spindle mounting nut not included.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

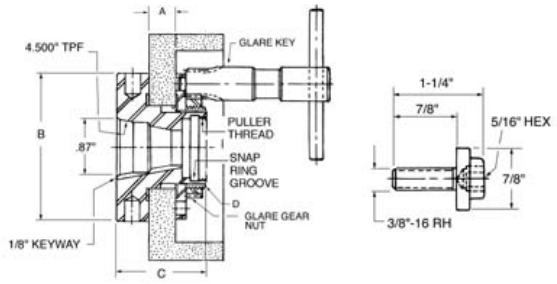
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Cincinnati Taper Wheel Adapters
With Glare Gear Assembly.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Adapter locked on spindle taper with bolt.





01116**

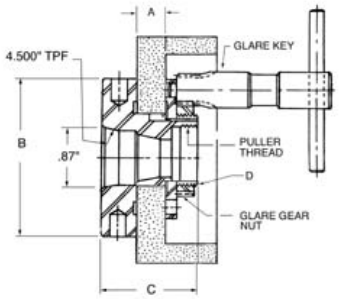
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
01125	GGC100-2KW	3/4 to 1	2-1/4	2	1-1/4-16RH
00571	GGC200-1KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
01116	GGC200-2KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH

*Spindle mounting bolt 14362 and retaining ring 04269 included.
**Grinding wheel not included.

For older style Cincinnati flat belt, center drive spindles. No keyway in taper.
Adapter locked on spindle taper with spindle nut.*

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00909**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00909	GGC200-1	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH

* Spindle mounting nut not included.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

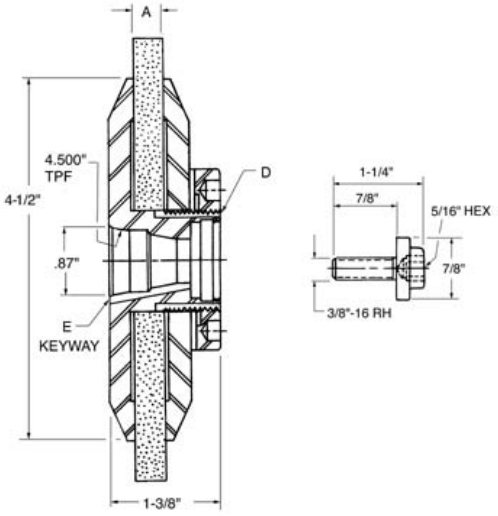
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Flanged and Cup Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

Sopko flanged adapters are machined from forged alloy steel. The resulting one-piece hub design distributes mounting pressures away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one-piece design and the precision ground flange provides identical radial load-bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.





00457

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	D	E
00446	C4.5-1	0 to 1/2	1-1/4-16LH	-
00564*	C4.5-1KW	0 to 1/2	1-1/4-16LH	1/8
00158	C4.5-2	0 to 1/2	1-1/4-16RH	-
00457*	C4.5-2KW	0 to 1/2	1-1/4-16RH	1/8

*Spindle mounting bolt 14362 and retaining ring 04269 included.

Sopko cup wheel adapters are made with a THIN-WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED, and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive lock. A hardened nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN during spindle rotation.

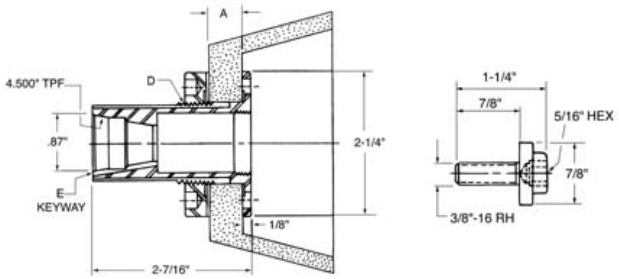
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00289 **00290†**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D	E
00289	C200-2CW	3/8 to 5/8	1-1/4-16RH	-
00290**	C200-2CWKW	3/8 to 5/8	1-1/4-16RH	1/8



** Includes spindle mounting bolt 14362 only.
†Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Cincinnati Taper Long Extended Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 OR NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

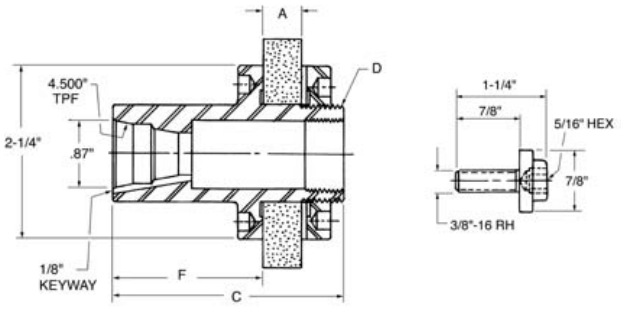
For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Cincinnati taper long extended adapters are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinding applications where the operator must reach across a boss or other obstruction. The adapters also have application on cutter grinders and tool grinders.





00242 **00243**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	F
00240*	CE200-1A	1/4 to 3/4	3	1-1/4-16LH	1-15/16
00242*	CE200-2A	1/4 to 3/4	3	1-1/4-16RH	1-15/16
00241*	CE201-1A	1/4 to 3/4	4-7/16	1-1/4-16LH	3-3/8
00243*	CE201-2A	1/4 to 3/4	4-7/16	1-1/4-16RH	3-3/8



*Includes spindle mounting bolt 14362 only.

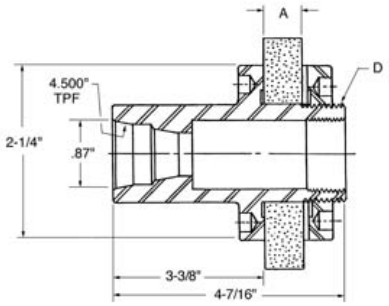
For older style Cincinnati flat belt, center drive spindles.

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00291

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00291	CE202-1A	1/4 to 3/4	1-1/4-16LH
00292	CE202-2A	1/4 to 3/4	1-1/4-16RH



Standard taper (3.000" TPF) long extended wheel adapters on page 14.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

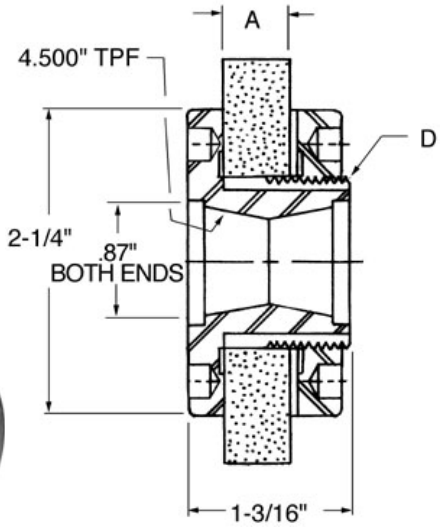
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Reversible Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way, without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper, and are securely locked against loosening by the wheel rotation. Manufactured from quality steel, then HARDENED AND GROUND to withstand the rigors of daily use.



CINCINNATI TAPER "OLD STYLE" REVERSIBLE WHEEL ADAPTER.
A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the older Cincinnati flat belt center drive spindles, the adapter comes complete with a 1/2-13LH 06074 and a 1/2-13RH 06073 slotted spindle nut.



00122

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00122	122RWA	1/4 to 1/2	1-1/4-16RH

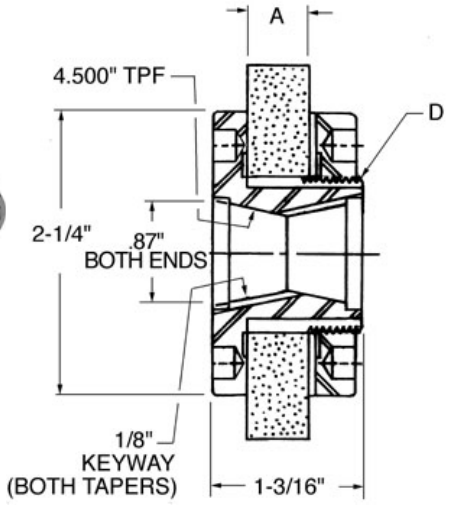
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CINCINNATI TAPER "NEW STYLE" REVERSIBLE WHEEL ADAPTER.

A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. The adapter comes complete with a 3/8-16RH mounting bolt 14362.



00123



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D
00123	122CRWA	1/4 to 1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Old Style Male Extensions.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
EXTEND THE REACH OF YOUR CINCINNATI ADAPTERS.

Made for older Cincinnati flat belt, center drive spindles, these extensions offer added reach when standard adapters won't work. Increased utility is achieved because grinding wheels mounted on Cincinnati taper adapters need not be dismounted. Very useful when grinding with diamond wheels, the extensions come complete with a 1/2-13 hex spindle nut to safely secure adapters. A 1-1/16" wrench flat on the body diameter makes installation and removal easy.

TIME-SAVING FEATURES:

- PRECISION internal Cincinnati taper for RELIABLE spindle mounting.
- PRECISION external Cincinnati taper for PROPER adapter mounting.
- GROUND external threads for CONCENTRICITY and SQUARENESS.
- HEAT TREATED for strength and rigidity.



67791

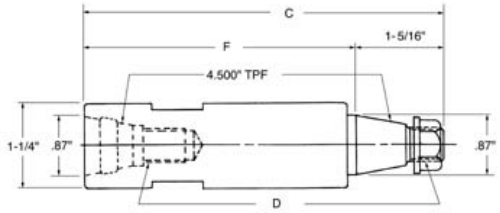


73281

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C	D	F
13457	134517-LH	5-5/16	1/2-13LH	4
67791	67791-RH	5-5/16	1/2-13RH	4

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00134	134515-LH	3-3/8	1/2-13LH	2-1/16
73281	73281-RH	3-3/8	1/2-13RH	2-1/16



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper New Style Male Extensions.

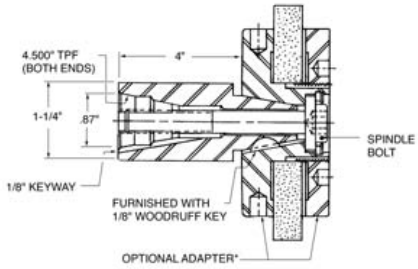
4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
EXTEND THE REACH OF YOUR CINCINNATI ADAPTERS.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this extension offers added reach for operations where regular adapters won't work. Increased utility is obtained because mounted grinding wheels need not be dismounted. Very useful when grinding with diamond wheels, the extension comes complete with a 3/8-16RH spindle bolt 15674 that runs through the body and locks the extension and wheel adapter onto the taper.



56173

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS OAL
56173	156173RH	4-13/16

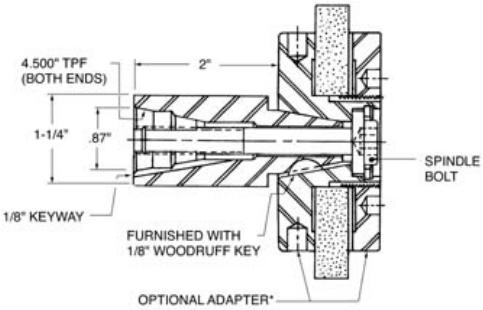


Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this extension offers the same quality features as the 56173 above but 2" shorter OAL. Furnished with 3/8-16RH spindle bolt 15671.



56172

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS OAL
56172	156172RH	2-13/16



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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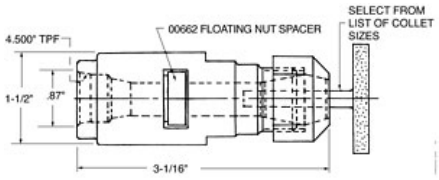
Cincinnati Taper Collet Chuck Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND THE SET-UP TIME OF A HIGH SPEED ATTACHMENT.

THERE IS A DIFFERENCE WITH SOPKO!

- Made from superior QUALITY alloy steel and heat treated for optimum performance.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- The extension body is GROUND for concentricity.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose-angle to insure PROPER ENGAGEMENT of the grinding wheel shank.





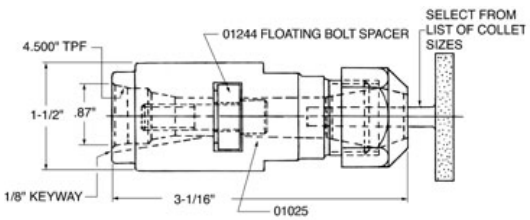
Ideal for older Cincinnati flat belt center drive grinder spindles. The set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.

SOPKO CATALOG NO.	SOPKO PART NO.
00757	C200-CCEA

6000 SERIES COLLETS* RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	COLLET CAPACITY
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

*Additional collet sizes are available on special order.

Ideal for newer style Cincinnati grinders having direct motorized and timing belt driven spindles with a 1/8" keyway in the taper. The set includes a 1/4" 6000 series collet 59108, collet nut 59125, floating bolt spacer 01244 (FN-2), and socket head cap screw 01025 (FN-B). The bolt is dropped into the extension and through the round floating bolt spacer. In this position the bolt acts as a draw thread to pull the collet chuck extension onto the spindle taper. A 1-1/4" wrench flat on the body makes installation and removal easy.





SOPKO CATALOG NO.	SOPKO PART NO.
00679	C200-CCEA-KW

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Standard taper (3.000" TPF) collet chuck extension adapters on page 18.
*Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

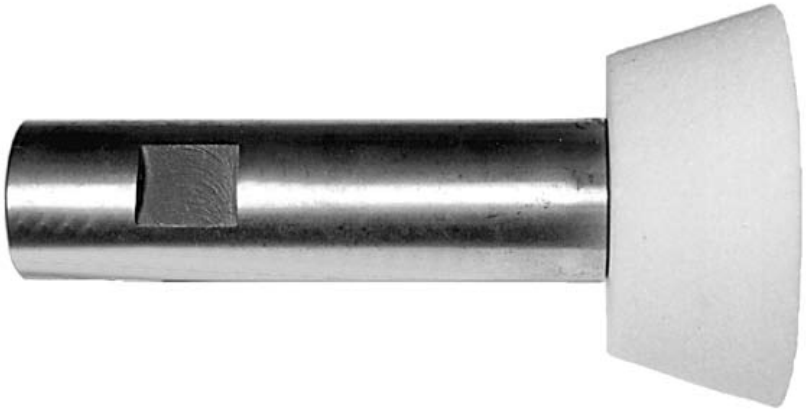
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Old Style I.D. Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND THE SET-UP TIME OF A HIGH SPEED ATTACHMENT.

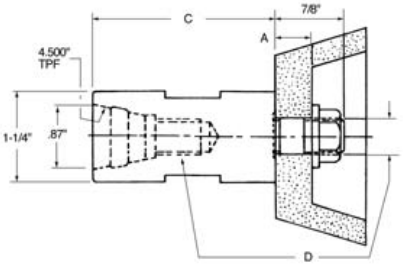
CHECK THESE FEATURES!

- GROUND diameters for CONCENTRICITY.
- HEAT TREATED for STRENGTH and SAFETY.
- PRECISION GROUND taper for RELIABLE spindle mating.
- IN STOCK for immediate shipment.



13426*

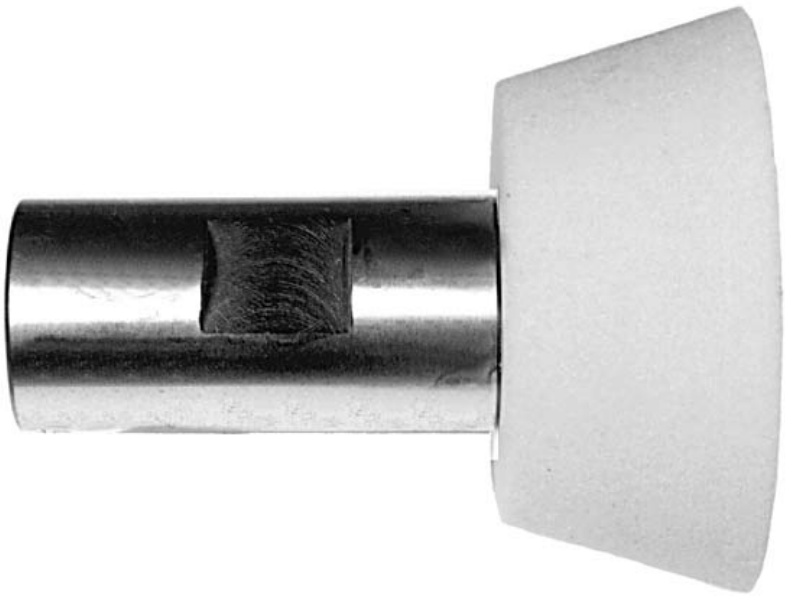
Designed for added reach, the IDWE comes complete with a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13458	134518-LH	3/8 to 1/2	4-1/2	1/2-13LH
13426	134269-RH	3/8 to 1/2	4-1/2	1/2-13RH

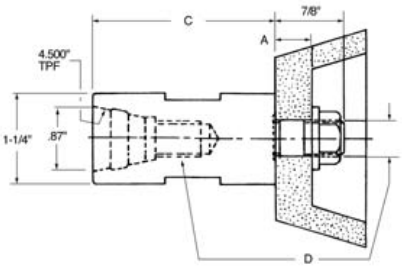
Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.

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78515*

Identical to the long series above but 2" shorter OAL. Has a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13456	134516-LH	3/8 to 1/2	2-1/2	1/2-13LH
78515	78515-RH	3/8 to 1/2	2-1/2	1/2-13RH

Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

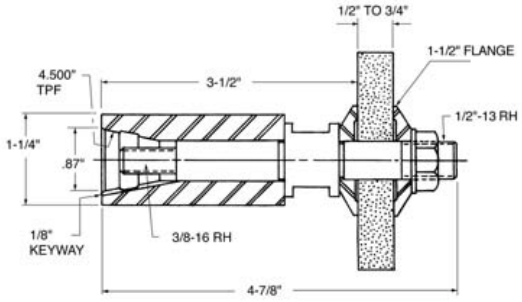
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper New Style I.D. Wheel Extensions.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR .500" ID WHEELS.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. The 3/8-16RH thread on the arbor 04271 acts as a draw thread to pull the extension onto the taper and a 3/4" wrench flat makes installation and removal easy. The extension comes complete with two 1-1/2" mating side flanges 00053 (F4), a 1/2-13RH hex spindle nut 05002, and an extension body 04272.





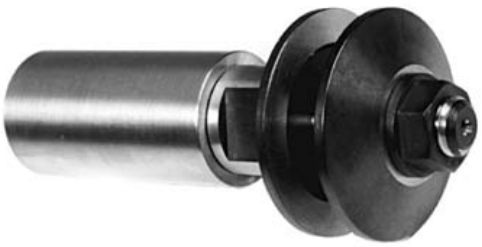
55000

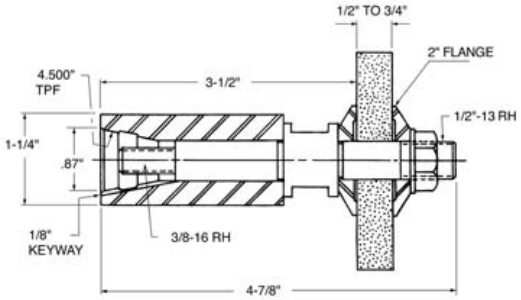
SOPKO CATALOG NO.	SOPKO PART NO.
55000	NS550

Standard taper (3.000 TPF) ID wheel extension adapters on page 16 and 17.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper and furnished with two 2" mating side flanges 00054 (F1), a 1/2-13RH hex spindle nut 05002, and an extension body 04272. The 3/8-16RH thread on the arbor 04271 acts as a draw thread to pull the extension onto the taper, and a 3/4” wrench flat makes installation and removal easy.

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00483

SOPKO CATALOG NO.
00483

Standard taper (3.000 TPF) ID wheel extension adapters on page 16 and 17.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper New Style and Old Style Conversion Adapters.*

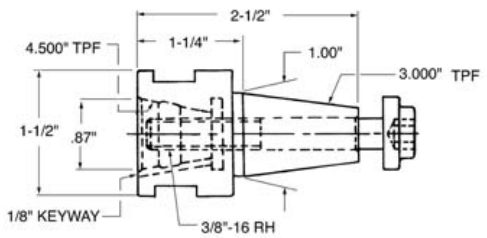
ID IS 4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
OD IS 3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
MOUNT STANDARD TAPER ADAPTERS ON CINCINNATI TAPER SPINDLES.

Designed for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this conversion adapter allows you to mount any Standard Taper (3.000" TPF) adapter to your Cincinnati Taper spindles. Furnished with special spindle mounting bolt 04249.
A 1-1/4” wrench flat on the body makes installation and removal easy.



50081

SOPKO CATALOG NO.
50081



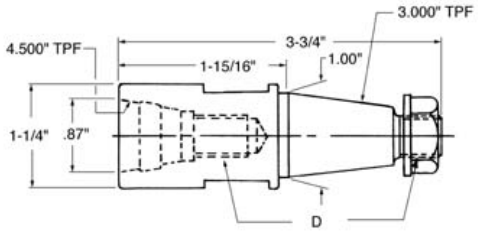
Designed for older Cincinnati flat belt center driven spindles, this conversion adapter features a Cincinnati Taper (4.500" TPF) in the ID and a Standard Taper (3.000" TPF) on the OD.
Now you can confidently mount standard taper adapters on your Cincinnati taper spindles. Furnished with a 1/2-13 hex spindle nut. A 1-1/16” wrench flat on the body makes installation and removal easy.

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00114

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
00113	S113	1/2-13LH
00114	S114	1/2-13RH



*For additional double taper conversion quills see page 85, 86, 87, 88 and 89.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

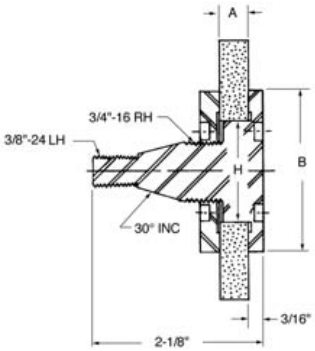
CAUTION!
Always Wear Safety Goggles When Griding.

Taper Adapters for Cincinnati Monoset Grinders.

30° INC ANGLE WITH .75" DIAMETER AT LARGE END OF TAPER.
FOR .750" AND 1.250" ID WHEELS.



00111 **00110**

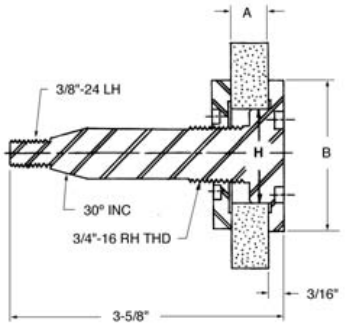


SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	H
00110	S110	1/4 to 1/2	1-3/8	3/4
00111	S111	1/4 to 1/2	2	1-1/4
50122	-	3/4	2	1-1/4

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00099 00098



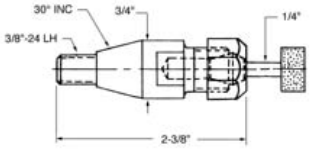
Sopko LONG EXTENDED MONOSET cutter and tool grinder adapters provide added clearance by locating the grinding wheel further from the spindle nose. They are ideal for applications requiring an operator to reach across an obstruction.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	H
00099	SE110	1/4 to 1/2	1-3/8	3/4
00098	SE111	1/4 to 1/2	2	1-1/4

THERE IS A DIFFERENCE WITH SOPKO!

- Monoset Collet Chuck Quills are GROUND all over for CONCENTRICITY.
- PRECISION TAPERS are GROUND at both ends.
- Made from superior QUALITY alloy steel and HEAT TREATED for optimum performance.
- The hardened collet nut has a PRECISION INTERNAL TAPER that seats PRECISELY against the collet nose angle to ensure PROPER ENGAGEMENT of the grinding wheel shank.
- Comes complete with 1/8" 20004 and 1/4" 20012 series 4000 collets, and collet nut 20013.*





*See page 97 for additional Series 4000 collet sizes.

00097

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

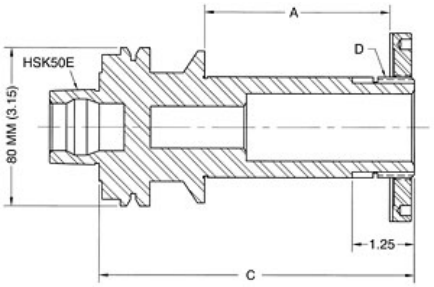
Wheel Adapters for Grinding Machines Manufactured by ANCA, Victoria, Australia.

HSK50EMOD TAPER AND 19º 05' 06" INC ANGLE TAPER WITH .85" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 2.000" ID WHEELS.

Sopko quality Anca FASTGRIND adapters are made for the operator expecting the highest standard of performance required by today's fast set-up times and short production runs. Sopko assures this standard with quality features like PRECISION GROUND TAPERS for reliable spindle mating and CONCENTRICALLY GROUND AND SQUARE surfaces to optimize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions. Every Anca adapter is furnished complete with a spindle mounting bolt, lock washer and recessed washer.



00318



SOPKO CATALOG NO.	ANCA PART NO.	A	C	D	MACHINE
50356	-	2-5/32	4-3/4	1-1/4-16RH	TGX
01137*	-	2-5/32	4-3/4	1-1/4-16RH	TGX
00318	-	3-3/8	6-11/32	2-16RH	TGX

* For cupwheel use.

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00623 00624

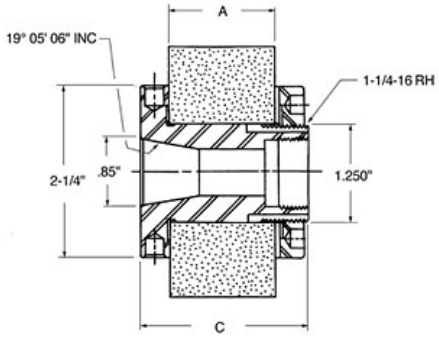


FIG.1

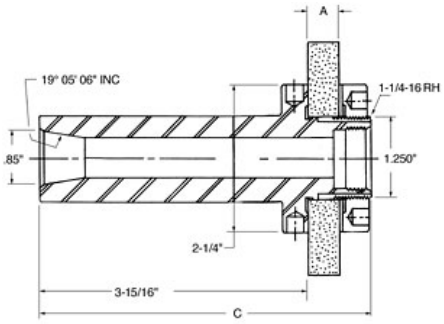


FIG.2

SOPKO CATALOG NO.	FIG.	ANCA PART NO.	DIMENSIONS A	C	MACHINE
00621	1	AT901-0-00-0175	2-1/8 to 2-3/8	3-3/16	TG4
00622	1	AT901-0-00-0175-1	3-5/8	4-3/8	TG4
00623	1	AT901-0-00-0179	1-1/8 to 1-3/8	2-3/16	TG4
00624	1	AT901-0-00-0183	1/4 to 1/2	1-5/16	TG4
00620	2	AT901-0-00-0174	1/2	4-7/8	TG4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

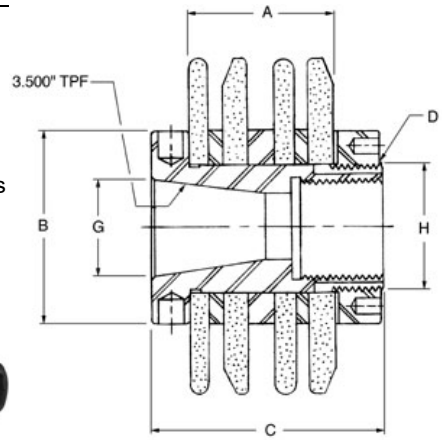
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Grinding Machines Manufactured by ANCA, Victoria, Australia.

3.500" TPF WITH 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 2.000" ID WHEELS.

Sopko quality Anca FASTGRIND adapters are made for the operator expecting the highest standard of performance required by today's fast set-up times and short production runs. Sopko assures this standard with quality features like PRECISION GROUND TAPERS for reliable spindle mating and CONCENTRICALLY GROUND AND SQUARE surfaces to optimize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these FASTGRIND adapters because Sopko HEAT TREATS every one. Every Anca adapter is furnished complete with a spindle mounting bolt, lock washer and recessed washer.



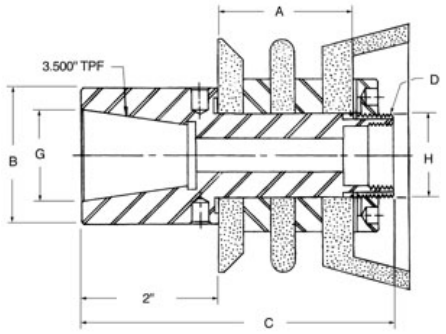


00626 50163



00628 00879

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SOPKO CATALOG NO.	FIG.	ANCA PART NO.	DIMENSIONS A	B	C	D	G	H	MACHINE
00625	1	AT902-0-00-5026	1-1/8 to1-1/4	3	2-3/16	2-16RH	1.38	2.000	TG7/DM7
00626	1	AT902-0-00-5027	1-7/8 to 2	3	2-31/32	2-16RH	1.38	2.000	TG7/DM7
50063	1	-	2-5/8	3	3-9/16	2-16RH	1.38	2.000	TG7/DM7
00823	1	AT937-0-00-1009	3-1/4	3	4-1/8	2-16RH	1.38	2.000	TG7/DM7
00627	1	-	3-3/8 to 3-1/2	3	4-3/8	2-16RH	1.38	2.000	TG7/DM7
00822	1	AT937-0-00-1010	4-3/8	3	5-5/16	2-16RH	1.38	2.000	TG7/DM7
50163	2	AT902-0-01-5037	2	2	4.613	1-1/4-16RH	1.38	1.250	TG7/DM7
00628	1	AT913-0-00-1024	1-1/8	1-31/32	1-31/32	1-1/4-16RH	1.02	1.250	MG7/RG7
00629	1	AT913-0-00-1025	1-7/16 to 1-1/2	1-31/32	2-3/8	1-1/4-16RH	1.02	1.250	MG7/RG7
50186	1	-	2-1/8	1-31/32	3-1/32	1-1/4-16RH	1.02	1.250	MG7/RG7
50187	1	-	2-5/8	1-31/32	3-1/2	1-1/4-16RH	1.02	1.250	MG7/RG7
50188	1	-	3-1/8	1-31/32	4	1-1/4-16RH	1.02	1.250	MG7/RG7
50350*	1	-	2-1/2	3	3-7/16	2-16RH	1.02	2.000	MG7/RG7
00496**	1	AT913-2-00-1010	1-1/2 to 1-3/4	1-31/32	2-5/8	1-1/4-16RH	1.02	1.250	RGX
00521***	1	AT913-2-00-1020	2 to 2-1/2	1-31/32	3-19/64	1-1/4-16RH	1.02	1.250	RGX
00398***	1	AT913-2-00-1030	2-5/8 to 3	1-31/32	3-13/16	1-1/4-16RH	1.02	1.250	RGX
00879***	1	AT913-2-00-1040	3 to 3-3/8	1-31/32	4-7/32	1-1/4-16RH	1.02	1.250	RGX

* Allows use of 2" ID wheels on MG7/RG7 machines.

** Includes two 5MM spacers 01305, one 10MM spacer 01310, and bi-directional nut 00067.

*** Includes two 5MM spacers 01305, two 10MM spacers 01310, and bi-directional nut 00067.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Grinding Machines
Manufactured by ANCA, Victoria, Australia.

19° 05' 06" INC ANGLE TAPER AND 3.500" TPF WITH .85", 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER.

A Sopko innovation, Double Taper ANCA Conversion Adapters offer convenience and flexibility. Now, you can use conventional machines to accurately dress wheel-packs mounted on ANCA adapters without losing valuable production time. Two precision ground tapers provide reliable spindle and adapter mounting. Made from quality alloy steel, ANCA Double Taper Conversion Adapters are heat treated for strength, long-life, and rigidity. Diameters are ground for concentricity and squareness. These fine Sopko features combine to maintain the original high quality standards of the ANCA Fastgrind system. A 1-1/4" wrench flat on the body makes installation and removal easy.

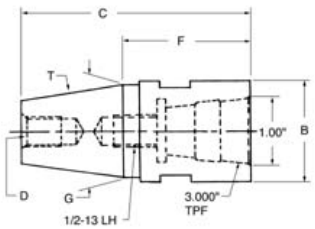


FIG. 1

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50193

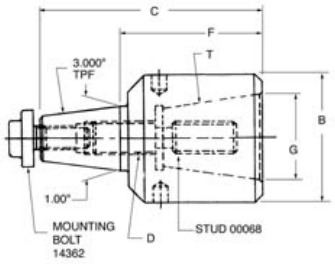


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		B	C	D	F	G	T	MACHINE
50194	1	1-1/2	3	3/8-16RH	2-1/4	.85	19° 05' 06"	TG4
50354	1	1-1/2	3-3/8	M12X1.75RH	1-7/8	1.38	3.500	TG7/DM7
50192	1	1-1/2	3-3/8	M12X1.75RH	1-7/8	1.38	3.500	TG7/DM7
50178	2	2	3-1/2	M12X2.0RH	2-1/4	1.38	3.500	TG7/DM7
01150	3	80MM (3.15")	3-7/16	M12X1.75RH	1-15/16	1.38	3.500	TG7/DM7
50193	1	1-1/2	3	M8X1.25RH	1-15/16	1.02	3.500	MG7/RG7/RGX
00497	1	1-1/2	3-23/32	M8X1.25RH	2-5/8	1.02	3.500	MG7/RG7/RGX

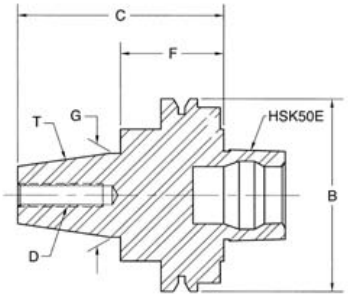


FIG. 3

See ANCA spacers on page 75 and accessories on page 81 and 83.
See ANCA Mount/Dismount fixture on page 94.

SPINDLE MOUNTING BOLT AND LOCK WASHER SETS

SOPKO CATALOG NO.	MACHINE	THREAD	LENGTH
00664	TG4 (00621)	3/8-16RH	2-3/4
00897	TG4 (00622)	3/8-16RH	4
01034	TG4 (00623)	3/8-16RH	1-3/4
01053	TG4 (00624)	3/8-16RH	3/4
01101	TG4 (00620)	3/8-16RH	4-1/2
00665	TG7/DM7	M12XP1.75RH	30MM (1.18")
00667	TG7 (50163)	M12XP1.75RH	100MM (3.94")
00666	MG7/RG7	M8XP1.25RH	30MM (1.18")



00664



00666



00665



00667

RECESSED WASHERS

SOPKO CATALOG NO.	MACHINE	OD	ID	THICKNESS
00162	TG4	21MM (.83")	10MM (.39")	6MM (.24")
00163	TG7/DM7	33MM (1.30")	13MM (.51")	7MM (.28")
00164	MG7/RG7	22MM (.87")	8.5MM (.33")	15MM (.59")



00164 **00163** **00162**

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Adapters for Tool & Cutter Grinders
Manufactured by Walter Grinders, Inc.
2.400"TPF AND 16° 34' 15" INC ANGLE TAPER WITH .91" AND 1.25" DIAMETER AT

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

LARGE END OF TAPER. FOR 1.250" ID WHEELS.

If it's high quality Walter HELITRONIC POWER CNC tool grinder adapters you're after, look no further. Sopko sets the standard with features like PRECISION GROUND TAPERS, and CONCENTRICALLY GROUND AND SQUARE surfaces to prolong wheel life and optimize cutting conditions. Sopko won't compromise on quality, so we use pre-heat treated alloy steel for hubs, and THREAD GRIND OD THREADS to maximize safety. Each adapter is furnished complete with a 00584 spindle bolt, a 01184 slotted spindle bolt retainer, 00062 washer, and 00021 nut. Spacers are not included.* A 1-3/4" wrench flat on the body makes installation and removal easy.

WITH PROVEN PERFORMANCE FEATURES!

- Precision Internal Tapers.
- Heat Treated Component Parts.
- Thread Ground OD Threads.
- Concentric and Square Ground Surfaces.

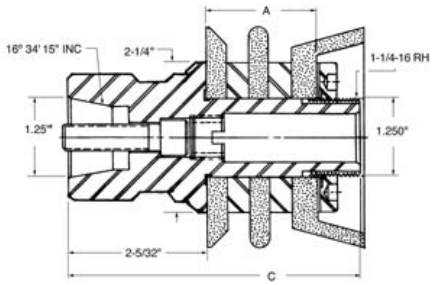


00508



00510

SOPKO CATALOG NO.	WALTER PART NO.	DIMENSIONS	
		A	C
00508	385009-531	1 to 1-1/4	3-3/4
00509	385008-531	2	4-17/32
50226	-	1 to 2	4-17/32
00510	385007-531	2 to 3-1/2	6-3/32



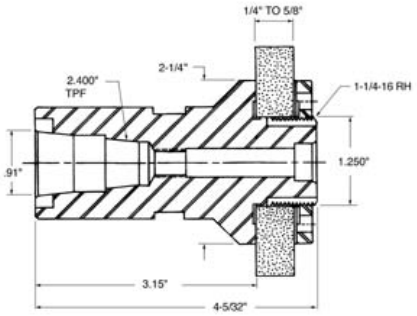
* See Walter Grinder spacers on page 75.

The 50227 Extended Pin Slot adapter for older Walter 50 NC Tool & Cutter grinders, is furnished with a 00062 washer and 00021 nut. The spindle mounting bolt is not included. A 1-1/4" wrench flat on the body makes installation and removal easy.



50227

SOPKO CATALOG NO.
50227



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Tool & Cutter Grinders
Manufactured by Jungner.

2.000" TPF WITH .71" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

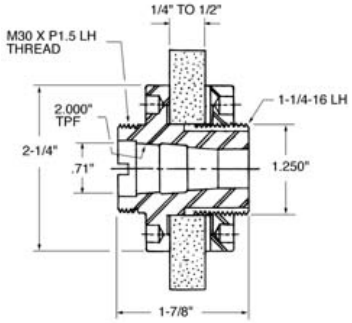
Jungner 450 CNC tool and cutter grinder adapter.

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SOPKO CATALOG NO.

00690





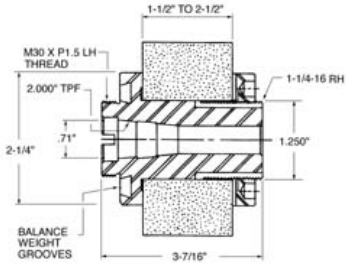
00690
(Taper Side)

Jungner 450 CNC tool and cutter grinder adapter is furnished with a three piece steel balancing weight set 00848.

SOPKO CATALOG NO.

50130





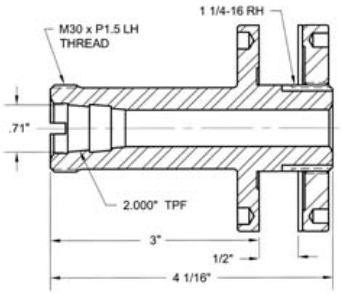
50130

Jungner 450 CNC tool and cutter grinder extended adapter.

SOPKO CATALOG NO.

50353





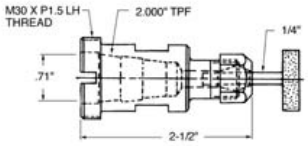
50353

Jungner 450 CNC tool and cutter grinder collet chuck arbor.
Furnished with 4000 series nut and 1/4" collet.*
A 13/16" wrench flat on the body makes installation and removal easy.

SOPKO CATALOG NO.

29911





* See page 97 for addtional 4000 series collets.

29911

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Tool & Cutter Grinders
Manufactured by S.E. Huffman Co., Clover, SC.

3.000"TPF WITH 1.63" DIAMETER AT LARGE END OF TAPER.
FOR 2.000" ID WHEELS.

Sure we have a lot to offer...performance, value, and a tradition built by decades of competence in our field. Look no further if you've been searching for an adapter that can help maintain superlative finishes and high rates of production. Our S.E. Huffman adapter series features a PRECISION GROUND TAPER, and CONCENTRICALLY GROUND and SQUARE SURFACES to maximize cutting conditions and prolong wheel life. Safe, reliable grinding wheel lock is achieved using THREAD GROUND OD THREADS on the hub. Adapter hubs are HEAT TREATED, nuts are made from pre-heat treated alloy steel, and protected with a BLACK OXIDE finish.



50169



50037

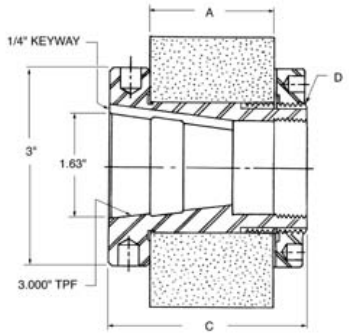


50036



50035

SOPKO CATALOG NO.	DIMENSIONS		
	A	C	D
50035 50038	1/2 to 1 1/2 to 1	2-1/4 2-1/4	2-16LH 2-16RH
50036 50039	2 to 2-1/2 2 to 2-1/2	3-5/8 3-5/8	2-16LH 2-16RH
50049 50169	3 3	4-1/8 4-1/8	2-16LH 2-16RH
50037 50040	3 to 3-1/2 3 to 3-1/2	4-5/8 4-5/8	2-16LH 2-16RH



See page 82 for S.E. Huffman adapter puller assembly.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Flute Grinders Manufactured by Hertlein Special Tool Co., Mt. Vernon, NY.

3.000" TPF WITH 1.63" DIAMETER AT LARGE END OF TAPER.
FOR 12.000" ID WHEELS.

Starting with a precision ground internal taper, this Sopko bolt-on flange balancing adapter offers today's Hertlein CO-100 grinding professional the best in quality features. Two precisely ground flanges provide identical load-bearing surfaces for reliable grinding wheel lock and to maximize spindle driving torque. Made from pre-hardened alloy steel and finished with black oxide, the adapter is furnished with a bronze balancing weight set 00849.

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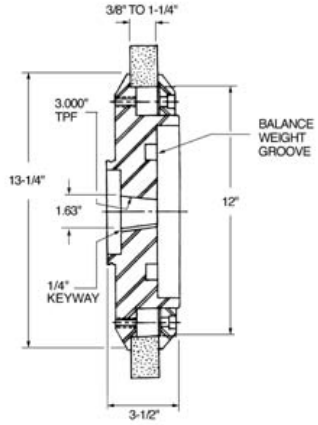
(Front Side)



50182 (Taper Side)



01809



OPTIONAL SOCKET HEAD CAP SCREW SETS. *

WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
3/8 to 3/4	01809	3/8-16X1-3/4	8
1 to 1-1/4	01810	3/8-16X2-1/4	8

* Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for CNC Tool & Cutter Grinders
Mfg. by Strausak Corporation, Lohn, Switzerland.

11° 25' 16" INC ANGLE TAPER WITH 30MM (1.18") DIAMETER AT LARGE END OF TAPER.
FOR 38MM (1.496") AND 1.250" ID WHEELS.

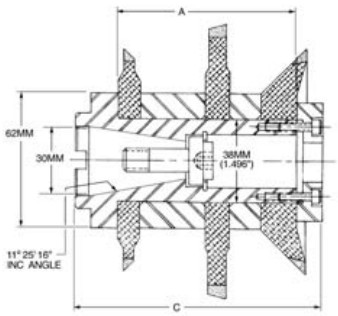
You need adapters that can handle the demanding applications that the Strausak Ecoflex CNC Tool & Cutter Grinder was designed to provide. Engineered specifically for the double ended spindle geometry of the Ecoflex system, Sopko adapters feature a bolt-on flange design that secures the wheel-pack regardless of spindle rotation. A pin-slot at the large end of the taper provides positive hub engagement for bi-directional rotation. Sopko adapters maximize the Strausak Ecoflex performance with precision ground tapers, carburized and hardened component parts for toughness, and ground, square and concentric flange faces that provide identical radial load-bearing surfaces to lock the multi-wheel-pack securely. Adapters are furnished with a M10xP1.5 draw-bolt 00037, bolt-on flange 00607, retaining ring 00486, and six M4xP.70 SHCS 01003 to clamp the flange and wheel-hub together.

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(Front Side) 00383 (Taper Side)



SOPKO CATALOG NO.	STRAUSAK PART NO.	DIMENSIONS	
		A	C
00383	91-12-902	60MM (2.36")	79MM (3.11")
00382	91-12-901	80MM (3.15")	100MM (3.94")

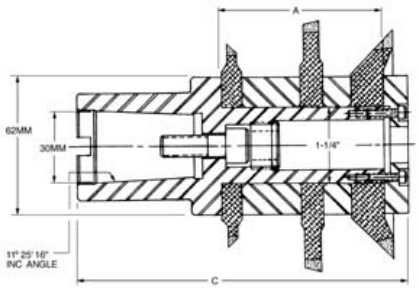
Incorporating all of the quality design features and benefits of the Strausak Ecoflex CNC Tool & Cutter adapters above, these adapters are made for 1-1/4" ID wheels. Now Strausak Ecoflex users have access to the wide variety of "standard bore", 1-1/4" ID, wheels that are available.
Adapters are furnished with a M10XP1.5RH draw-bolt 02723, bolt-on flange 00588, 3/4-16 RH hollow set screw 02630, and six M4XP.70RH SHCS 01003 to clamp the flange and wheel-hub together.





00026 (Front Side) **00645 (Taper Side)**

SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00026	60MM (2.36")	120MM (4.72")
00645	80MM (3.15")	141MM (5.55")



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Brown & Sharpe No. 5 Tool and Cutter Grinder Adapters.

3.000" TPF WITH .72" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Designed for the Brown & Sharpe No. 5 Tool and Cutter Grinder, and manufactured with the same dedication to detail that has made Sopko the standard in the industry.

Here's how that benefits you...

- BLACK OXIDE FINISH for long-lasting PERFORMANCE AND VALUE.
- A PRECISION GROUND TAPER for a spindle mount you can TRUST.

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- HEAT TREATED HUBS AND NUTS to optimize TOUGHNESS AND STRENGTH.
- CONCENTRIC AND SQUARE GROUND SURFACES that provide SUPERIOR PERFORMANCE and RELIABLE WHEEL LOCK.
- THREAD GROUND OD THREADS, a Sopko innovation in adapter design, makes REPEATABLE WHEEL LOCK possible.

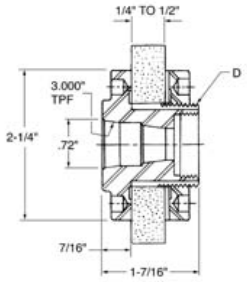


(Front Side) **00817**



(Taper Side)

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00817	25-3171-1	1-1/4-16LH
00818	25-3171-2	1-1/4-16RH

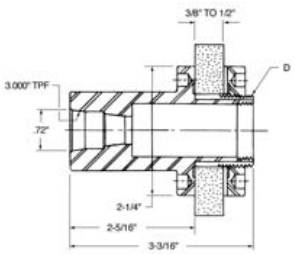


The LONG EXTENDED Brown & Sharpe No. 5 Tool and Cutter Grinder adapters are made with the same quality features but the extended design provides additional clearance, locating the grinding wheel further from the spindle nose.



00819

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00819	25-3300-LH	1-1/4-16LH
00820	25-3300-RH	1-1/4-16RH



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters
With 3/32” Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



00719



00716



00721

Note: 3/32" Keyway in small end of taper only

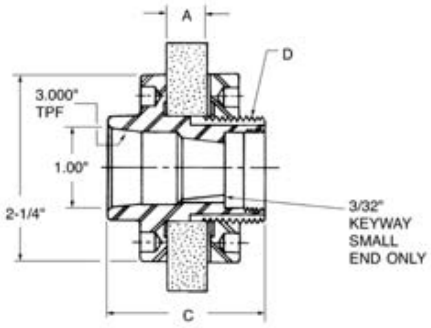
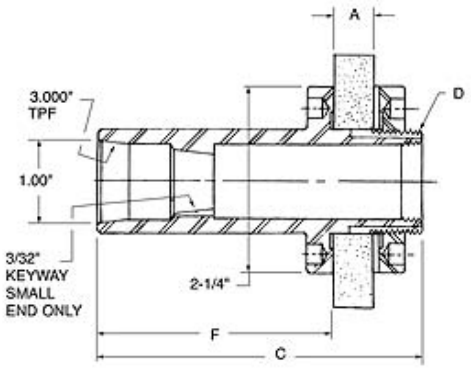


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	F
00716	1	U200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00717**	1	BU200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00718	1	U200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00719	2	U200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00720	2	U200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00721	2	U200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00423	2	U200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16
00722	1	U300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00709	1	U300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00723	1	U300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00193**	1	BU300-1	3/4 to 1	2-1/4	1-1/4-16LH	-



Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

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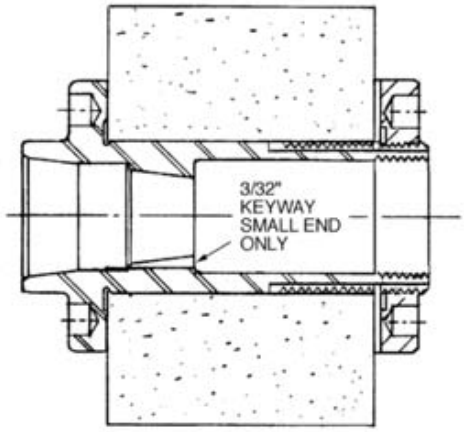
Standard Taper Wheel Adapters
With 3/32” Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250” ID WHEELS.



Note: 3/32" Keyway in small end of taper only

00725



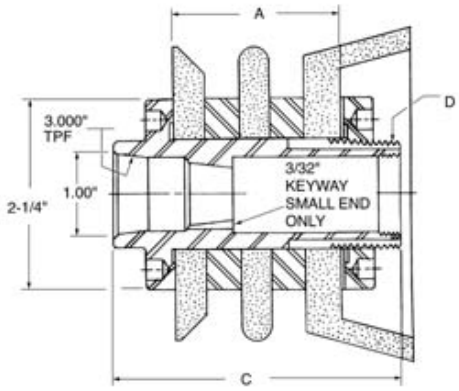


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00724	1	U400-1A	2	3-3/16	1-1/4-16LH
00725	1	U400-1B	1 to 2	3-3/16	1-1/4-16LH
00726	1	U400-2A	2	3-3/16	1-1/4-16RH
00727**	1	BU400-1B	1 to 2	3-3/16	1-1/4-16LH
00728	1	U500-1A	3	4-3/16	1-1/4-16LH
50320	1	U500-2A	3	4-3/16	1-1/4-16RH
00729	1	U500-1B	2 to 3	4-3/16	1-1/4-16LH
00730	1	U600-1A	4	5-3/16	1-1/4-16LH
00606	1	U600-1B	3 to 4	5-3/16	1-1/4-16LH
00732	2	U330-1	3/4 to 1	2-1/4	1-1/4-16LH
00733	2	U430-1A	2	3-1/4	1-1/4-16LH
00734	2	U430-1B	1 to 2	3-1/4	1-1/4-16LH

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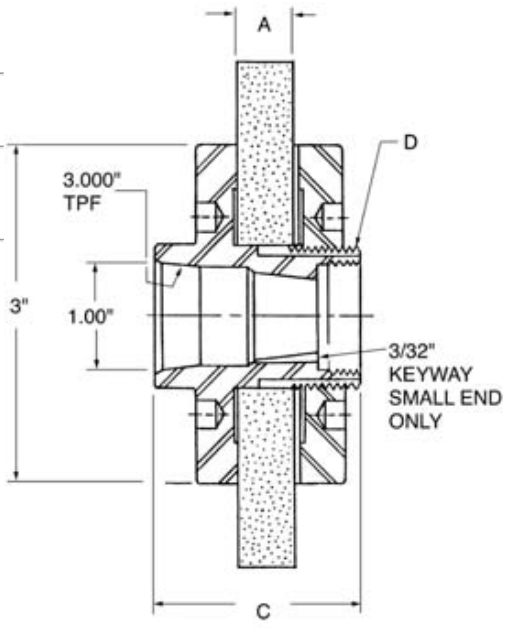


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.

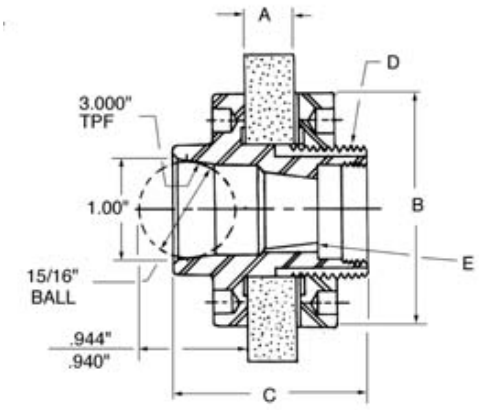


FIG. 1

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00739



00738



00737

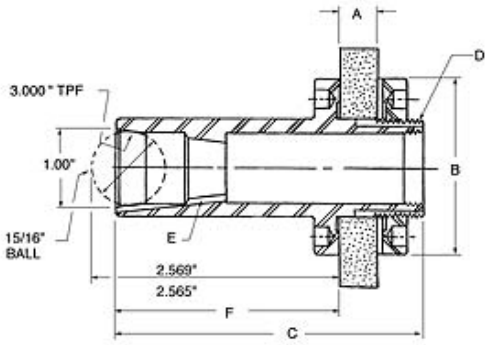


FIG. 2

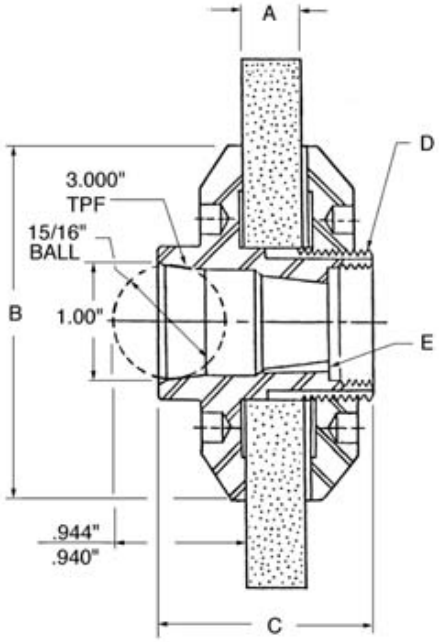


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

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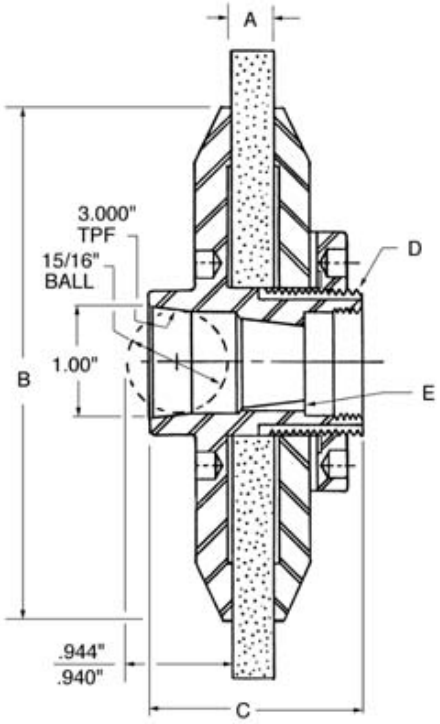


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters
With Glare Gear Assembly.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The UNIQUE GRINDING WHEEL LOCKING SYSTEM that eliminates damage to grinding wheels and spindle bearings caused by hammering. Also provides best possible mounting concentricity when tightening diamond, CBN, or vitrified wheels.



01231**



01235

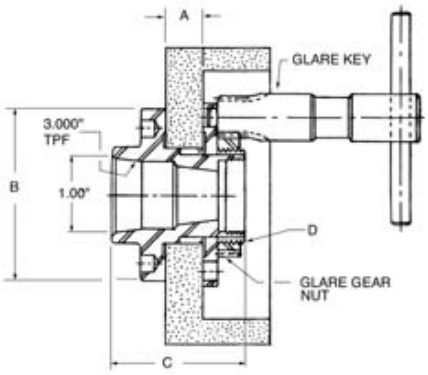


FIG. 1

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS					
			A	B	C	D	E	F
01231	1	GG100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-	-
01232	1	GG100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-	-
01233	1	GG200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-	-
01234	1	GG200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-	-
01235	1	GG220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	-	-
01236	1	GG300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-	-
01237	1	GG300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	-	-
00159	1	GG300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	-	-
00127	1	GG400-1A	2	2-1/4	3-3/16	1-1/4-16LH	-	-
00566	1	GG400-2A	2	2-1/4	3-3/16	1-1/4-16RH	-	-
00189	1	GG400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	-	-
00417	1	GG500-1A	3	2-1/4	4-3/16	1-1/4-16LH	-	-
00462	1	GG500-2A	3	2-1/4	4-3/16	1-1/4-16RH	-	-
00704	1	GG500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	-	-
01282	3	GG200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-	2-5/16
00687	3	GG200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	-	3-7/16
00740*	2	GGU100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	3/32	-
00741*	2	GGU100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	3/32	-
00742*	2	GGU200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32	-
00743*	2	GGU200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	3/32	-
00744*	2	GGU300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	3/32	-
00745*	2	GGU300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	3/32	-
00746*	2	GGU300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	3/32	-
00747*	2	GGU400-1A	2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00748*	2	GGU400-2A	2	2-1/4	3-3/16	1-1/4-16RH	3/32	-
00194*	2	GGU400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00324*	2	GGU500-1A	3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00548*	2	GGU500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00320*	3	GGU200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/32	2-5/16
00595*	3	GGU200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3/32	3-7/16
50329*	3	GGU200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	3/32	2-5/16

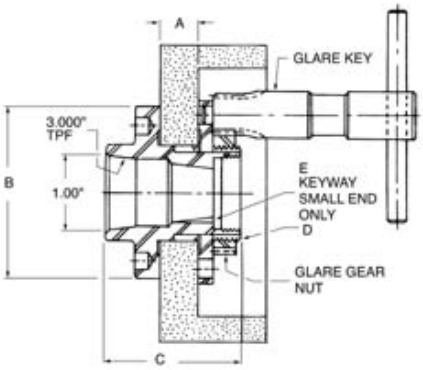


FIG. 2

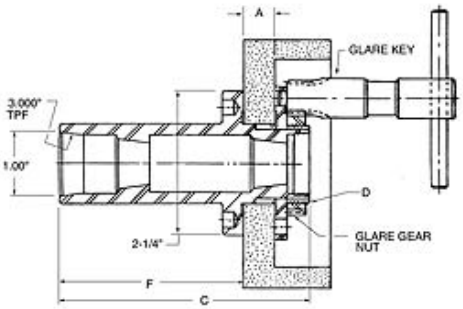


FIG. 3

See page 73 for complete selection of Glare Gear components.
Glare Gear Assemblies can be furnished with all 1-1/4" ID adapters.
List above is stocked product only.
*For grinding machines manufactured by Unison Corp., Ferndale, MI.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Adapters for Tool & Cutter Grinders
Manufactured by Walter Grinders, Inc.

2.400"TPF AND 16° 34' 15" INC ANGLE TAPER WITH .91" AND 1.25" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

If it's high quality Walter HELITRONIC POWER CNC tool grinder adapters you're after, look no further. Sopko sets the standard with features like PRECISION GROUND TAPERS, and CONCENTRICALLY GROUND AND SQUARE surfaces to prolong wheel life and optimize cutting conditions. Sopko won't compromise on quality, so we use pre-heat treated alloy steel for hubs, and THREAD GRIND OD THREADS to maximize safety. Each adapter is furnished complete with a 00584 spindle bolt, a 01184 slotted spindle bolt retainer, 00062 washer, and 00021 nut. Spacers are not included.* A 1-3/4" wrench flat on the body makes installation and removal easy.

WITH PROVEN PERFORMANCE FEATURES!

- Precision Internal Tapers.
- Heat Treated Component Parts.
- Thread Ground OD Threads.
- Concentric and Square Ground Surfaces.



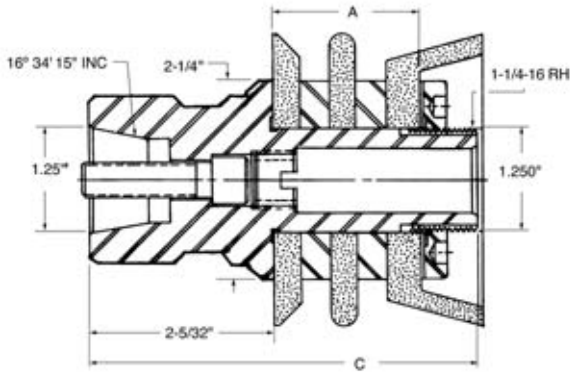


00508

SOPKO CATALOG NO.	WALTER PART NO.	DIMENSIONS	
		A	C
00508	385009-531	1 to 1-1/4	3-3/4
00509	385008-531	2	4-17/32
50226	-	1 to 2	4-17/32
00510	385007-531	2 to 3-1/2	6-3/32

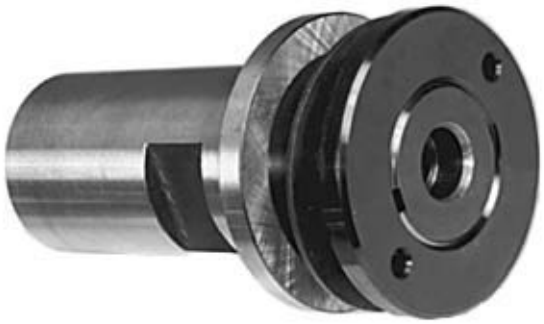
* See Walter Grinder spacers on page 75.

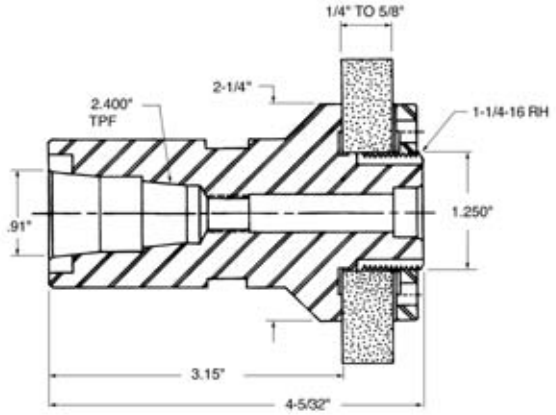
00510



The 50227 Extended Pin Slot adapter for older Walter 50 NC Tool & Cutter grinders, is furnished with a 00062 washer and 00021 nut. The spindle mounting bolt is not included.
A 1-1/4" wrench flat on the body makes installation and removal easy.

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50227

SOPKO CATALOG NO.
50227

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

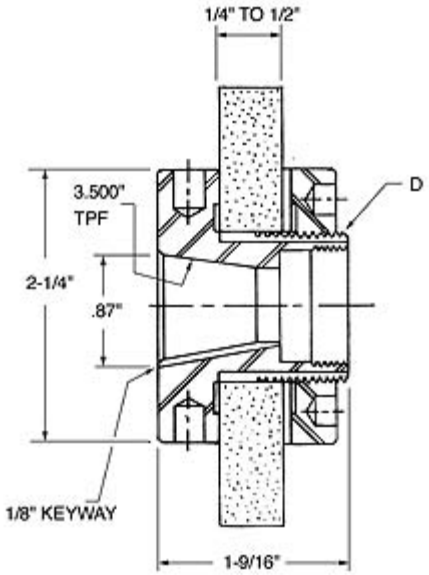
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Wheel Adapters for Ward Grinders.

3.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



01107



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
01106	S106	1-1/4-16RH
01107	S107	1-1/4-16LH



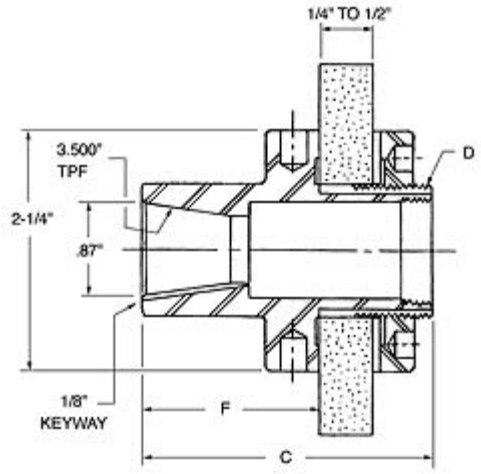
01103



01104

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F

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01104	S104	2-9/16	1-1/4-16RH	1-1/2
01105	S105	2-9/16	1-1/4-16LH	1-1/2
01103	S103	3-5/8	1-1/4-16LH	2-9/16

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

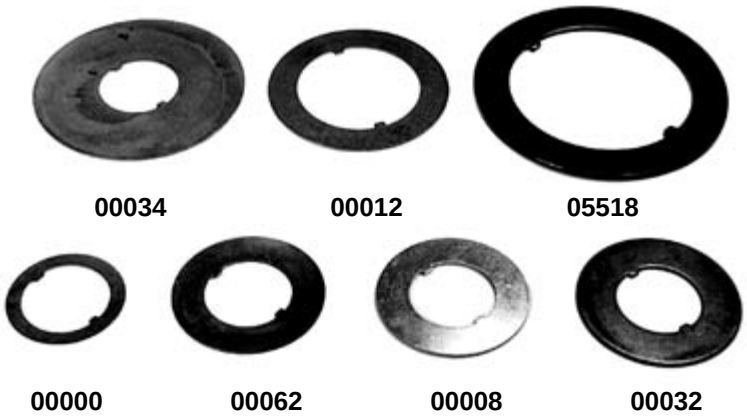
CAUTION!
Always Wear Safety Goggles When Griding.

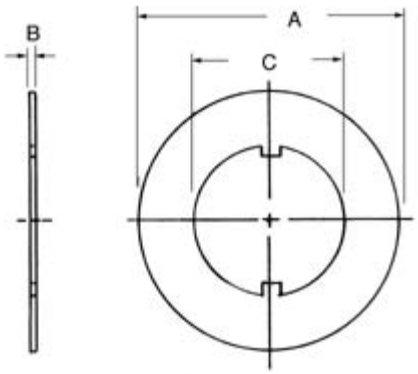
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Wheel Adapter Parts.

Keyed Washers.

Make it safe, make it perform, and make it reliable-that's what drives Sopko product design. Even the simple adapter washer is not too trivial to be overlooked in our attention to detail. Single-tang washer designs set up inherent out-of-balance conditions that are avoided with Sopko products manufactured with equal and opposite adapter hub key slots and DUAL-TANG washers. The separation provided by a washer prevents potential frictional wheel damage caused by nut contact, assuring every machine operator of safe wheel lock that is less likely to loosen under a load than ordinary adapters. There's a trust between Sopko and its customers; we're working hard every day to keep it!





SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			DESCRIPTIONS
		A	B	C	
00000	062x1-3/4	1-3/4	1/16	1-1/4	For X200-1 & X200-2 adapters
00003	913-0-00-1007	1.85	1/16	1-1/4	For ANCA MG7 series adapters
00004	062x2	2	1/16	1-1/4	For Pope adapters 00529,00530,00531,00532,00533
00030	030x2-1/4	2-1/4	1/32	1-1/4	
00005 *	EN-030x2-1/4	2-1/4	1/32	1-1/4	Electroless nickel plated
00006	SS030x2-1/4	2-1/4	1/32	1-1/4	Stainless steel
00062	062x2-1/4	2-1/4	1/16	1-1/4	
00007	-	2-1/4	1/16	1-1/4	For 222RWA adapter only
00008 *	EN-062x2-1/4	2-1/4	1/16	1-1/4	Electroless nickel plated
00009	SS062x2-1/4	2-1/4	1/16	1-1/4	Stainless steel
00447	-	2-5/16	1/32	1-1/4	
01250	-	2-3/8	1/32	1-1/4	
00031	030x2-7/16	2-7/16	1/32	1-1/4	
00032	062x2-7/16	2-7/16	1/16	1-1/4	
00010	030x3	3	1/32	1-1/4	
00033	062x3	3	1/16	1-1/4	
00011 *	EN-062x3	3	1/16	1-1/4	Electroless nickel plated
00012	96.5301.5005	3	1/16	2	For ANCA TG7 series adapters
00016	030x3-1/2	3-1/2	1/32	1-1/4	
00034	062x3-1/2	3-1/2	1/16	1-1/4	
00035	-	4-1/8	1/16	2	For IMM adapter 00691
00019	25-1569-3	4-1/8	1/16	3	For shrouded adapter 00691 AND 00692

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04250	-	4-1/4	1/16	1-1/4	For larger wheel adapters 00696, 00555
00023	-	4-1/4	1/16	2	
05518	-	4-1/4	1/8	3	For larger wheel adapters 01316, 01317
04293	-	4-3/4	1/8	3	For Norton S-3 balancing adapters 00824
05519	-	5	1/8	3	For larger wheel adapters 01324, 01330, 01337, 01338
05307	-	7	1/8	5	For larger wheel adapters 01335, 01336

* In stock, but Electroless nickel plating is available for all washers at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.



CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Wasino Grinders (Older Style Machines).

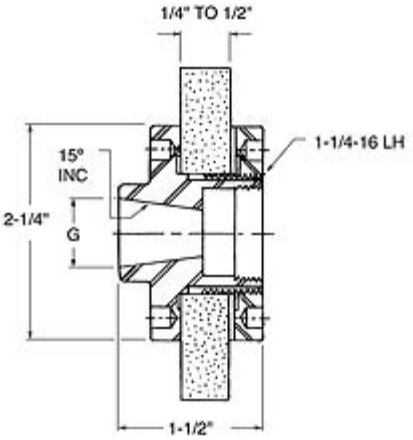
15° INC ANGLE TAPER WITH .71" AND .66" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.



(Front Side)



(Taper Side)



00967

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS G
00967*	S108	.66
00968**	S109	.71

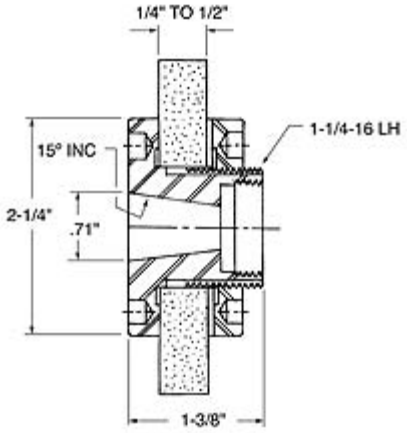
*Designed for the GLS-125 grinder.
**Designed for the GLS-125A grinder.



(Front Side)



(Taper Side)



00969

SOPKO CATALOG NO.	SOPKO PART NO.
00969**	S109TI

**Designed for the GLS-125A grinder.

The WASINO REVERSIBLE WHEEL ADAPTER features a precision ground double-taper to make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle taper.

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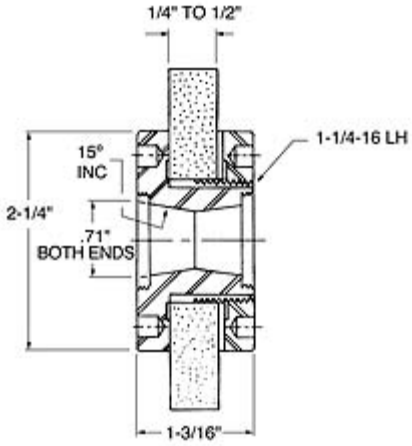


(Front Side)

00970



(Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.
00970**	S109RWA

**Designed for the GLS-125A grinder.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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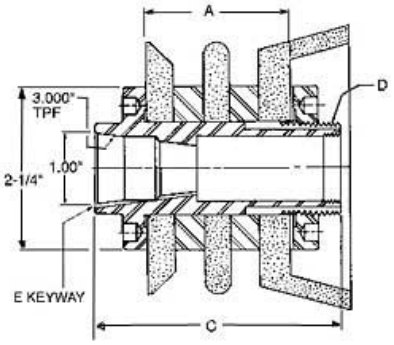
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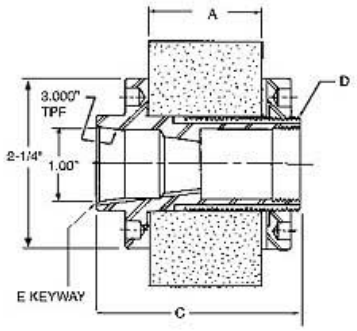
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko is more than quality products; it's quality service too. You can be sure of quick personalized service every time you call. We know you don't have a lot of time to waste listening to phone recordings. You'll be talking to real people with answers to your grinding accessory needs.

- SAME DAY shipment of standard product.
- FRIENDLY and KNOWLEDGEABLE people with INFORMATION you need.
- The LARGEST STOCK of precision grinding accessories in America.
- The source for SPECIAL GRINDING ACCESSORIES made to your specifications.







SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	E
00400	400-1A	2	3-3/16	1-1/4-16LH	-
00402	400-2A	2	3-3/16	1-1/4-16RH	-
00401	400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00403	400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00406	400-1C	1-3/4 to 2	3-3/16	1-1/4-16LH	-
00415	400-2C	1-3/4 to 2	3-3/16	1-1/4-16RH	-
00327*	AN400-1B	1 to 2	3-3/16	1-1/4-16LH	3/16
00413	-	2-1/2 to 2-3/4	3-13/16	1-1/4-16LH	-
00414	-	2-1/2 to 2-5/8	3-3/4	1-1/4-16LH	-
00500	500-1A	3	4-3/16	1-1/4-16LH	-
00502	500-2A	3	4-3/16	1-1/4-16RH	-
00501	500-1B	2 to 3	4-3/16	1-1/4-16LH	-
00503	500-2B	2 to 3	4-3/16	1-1/4-16RH	-
00506	500-1C	1-1/2 to 3	4-3/16	1-1/4-16LH	-
00600	600-1A	4	5-3/16	1-1/4-16LH	-
00602	600-2A	4	5-3/16	1-1/4-16RH	-
00601	600-1B	3 to 4	5-3/16	1-1/4-16LH	-
00604	600-2B	3 to 4	5-3/16	1-1/4-16RH	-
00605	600-1C	3-5/8 to 4	5-3/16	1-1/4-16LH	-
00701	700-1B	4-1/2	5-11/16	1-1/4-16LH	-
00702	700-1C	5	6-3/16	1-1/4-16LH	-
00800	800-1A	6	7-3/16	1-1/4-16LH	-
00801	800-1B	5 to 6	7-3/16	1-1/4-16LH	-
00900	900-1A	7	8-3/16	1-1/4-16LH	-
00999	1000-1A	8	9-3/16	1-1/4-16LH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.
Sopko

Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.

- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.



00373



00377

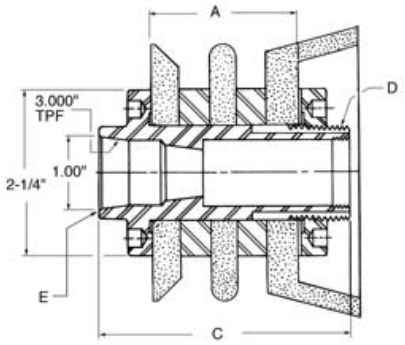


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00371	1	EN400-1A	2	3-3/16	1-1/4-16LH
00372	1	EN400-2A	2	3-3/16	1-1/4-16RH
00373	1	EN400-1B	1 to 2	3-3/16	1-1/4-16LH
00374	1	EN400-2B	1 to 2	3-3/16	1-1/4-16RH
00376	1	EN500-1A	3	4-3/16	1-1/4-16LH
00377	1	EN500-1B	2 to 3	4-3/16	1-1/4-16LH
00378	1	A2031-4	1-3/4 to 3	4-3/16	1-1/4-16LH
00379	1	EN600-1A	4	5-3/16	1-1/4-16LH
00357	2	EN200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH

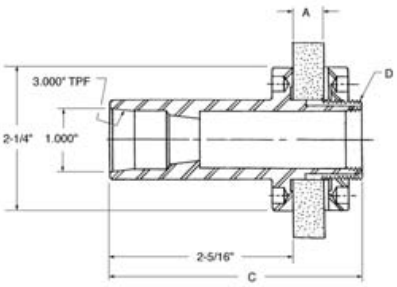


FIG. 2

Electroless nickel plating available on all Sopko adapters at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32" Keyway in Small End of Taper.*

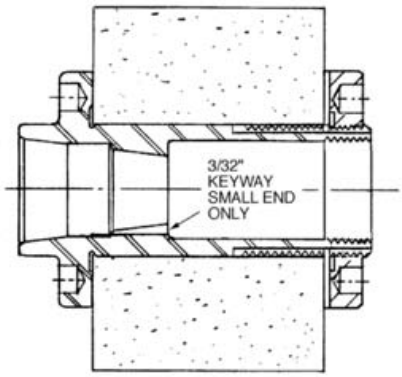
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FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



Note: 3/32" Keyway in small end of taper only

00725



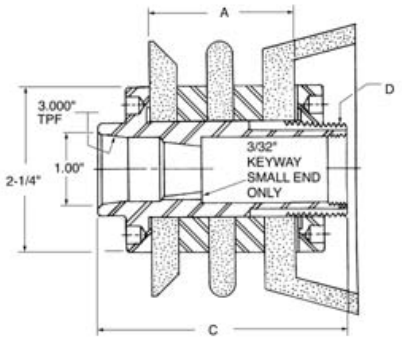


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00724	1	U400-1A	2	3-3/16	1-1/4-16LH
00725	1	U400-1B	1 to 2	3-3/16	1-1/4-16LH
00726	1	U400-2A	2	3-3/16	1-1/4-16RH
00727**	1	BU400-1B	1 to 2	3-3/16	1-1/4-16LH
00728	1	U500-1A	3	4-3/16	1-1/4-16LH
50320	1	U500-2A	3	4-3/16	1-1/4-16RH
00729	1	U500-1B	2 to 3	4-3/16	1-1/4-16LH
00730	1	U600-1A	4	5-3/16	1-1/4-16LH
00606	1	U600-1B	3 to 4	5-3/16	1-1/4-16LH
00732	2	U330-1	3/4 to 1	2-1/4	1-1/4-16LH
00733	2	U430-1A	2	3-1/4	1-1/4-16LH
00734	2	U430-1B	1 to 2	3-1/4	1-1/4-16LH

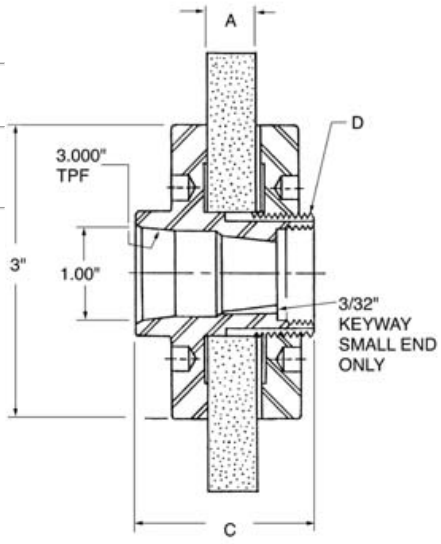


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Grinding Machines Manufactured by ANCA, Victoria, Australia.

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3.500" TPF WITH 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 2.000" ID WHEELS.

Sopko quality Anca FASTGRIND adapters are made for the operator expecting the highest standard of performance required by today's fast set-up times and short production runs. Sopko assures this standard with quality features like PRECISION GROUND TAPERS for reliable spindle mating and CONCENTRICALLY GROUND AND SQUARE surfaces to optimize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these FASTGRIND adapters because Sopko HEAT TREATS every one. Every Anca adapter is furnished complete with a spindle mounting bolt, lock washer and recessed washer.



00626



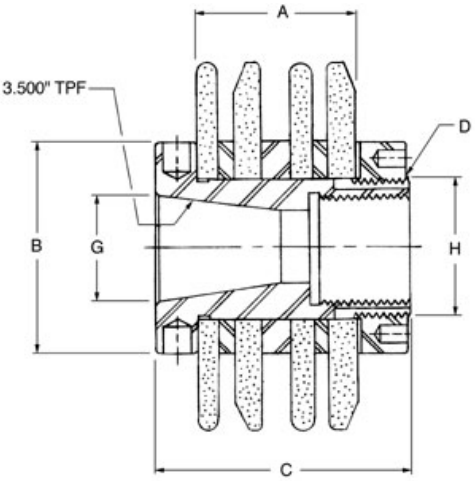
50163

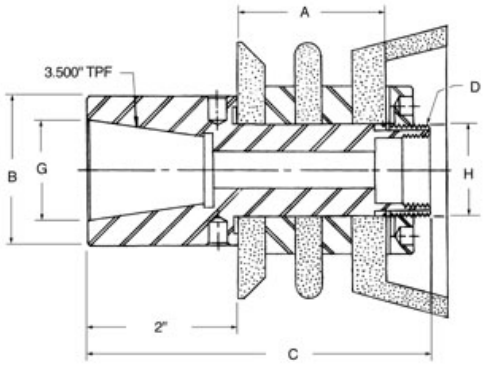


00628



00879





SOPKO CATALOG NO.	FIG.	ANCA PART NO.	DIMENSIONS A	B	C	D	G	H	MACHINE
00625	1	AT902-0-00-5026	1-1/8 to1-1/4	3	2-3/16	2-16RH	1.38	2.000	TG7/DM7
00626	1	AT902-0-00-5027	1-7/8 to 2	3	2-31/32	2-16RH	1.38	2.000	TG7/DM7
50063	1	-	2-5/8	3	3-9/16	2-16RH	1.38	2.000	TG7/DM7
00823	1	AT937-0-00-1009	3-1/4	3	4-1/8	2-16RH	1.38	2.000	TG7/DM7
00627	1	-	3-3/8 to 3-1/2	3	4-3/8	2-16RH	1.38	2.000	TG7/DM7
00822	1	AT937-0-00-1010	4-3/8	3	5-5/16	2-16RH	1.38	2.000	TG7/DM7
50163	2	AT902-0-01-5037	2	2	4.613	1-1/4-16RH	1.38	1.250	TG7/DM7
00628	1	AT913-0-00-1024	1-1/8	1-31/32	1-31/32	1-1/4-16RH	1.02	1.250	MG7/RG7
00629	1	AT913-0-00-1025	1-7/16 to 1-1/2	1-31/32	2-3/8	1-1/4-16RH	1.02	1.250	MG7/RG7
50186	1	-	2-1/8	1-31/32	3-1/32	1-1/4-16RH	1.02	1.250	MG7/RG7
50187	1	-	2-5/8	1-31/32	3-1/2	1-1/4-16RH	1.02	1.250	MG7/RG7
50188	1	-	3-1/8	1-31/32	4	1-1/4-16RH	1.02	1.250	MG7/RG7
50350*	1	-	2-1/2	3	3-7/16	2-16RH	1.02	2.000	MG7/RG7
00496**	1	AT913-2-00-1010	1-1/2 to 1-3/4	1-31/32	2-5/8	1-1/4-16RH	1.02	1.250	RGX
00521***	1	AT913-2-00-1020	2 to 2-1/2	1-31/32	3-19/64	1-1/4-16RH	1.02	1.250	RGX
00398***	1	AT913-2-00-1030	2-5/8 to 3	1-31/32	3-13/16	1-1/4-16RH	1.02	1.250	RGX
00879***	1	AT913-2-00-1040	3 to 3-3/8	1-31/32	4-7/32	1-1/4-16RH	1.02	1.250	RGX

* Allows use of 2" ID wheels on MG7/RG7 machines.

** Includes two 5MM spacers 01305, one 10MM spacer 01310, and bi-directional nut 00067.

*** Includes two 5MM spacers 01305, two 10MM spacers 01310, and bi-directional nut 00067.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Adapters for Tool & Cutter Grinders
Manufactured by Walter Grinders, Inc.

2.400"TPF AND 16° 34' 15" INC ANGLE TAPER WITH .91" AND 1.25" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

If it's high quality Walter HELITRONIC POWER CNC tool grinder adapters you're after, look no further. Sopko sets the standard with features like PRECISION GROUND TAPERS, and CONCENTRICALLY GROUND AND SQUARE surfaces to prolong wheel life and optimize cutting conditions. Sopko won't compromise on quality, so we use pre-heat treated alloy steel for hubs, and THREAD GRIND OD THREADS to maximize safety. Each adapter is furnished complete with a 00584 spindle bolt, a 01184 slotted spindle bolt retainer, 00062 washer, and 00021 nut. Spacers are not included.* A 1-3/4" wrench flat on the body makes installation and removal easy.

WITH PROVEN PERFORMANCE FEATURES!

- Precision Internal Tapers.
- Heat Treated Component Parts.
- Thread Ground OD Threads.
- Concentric and Square Ground Surfaces.

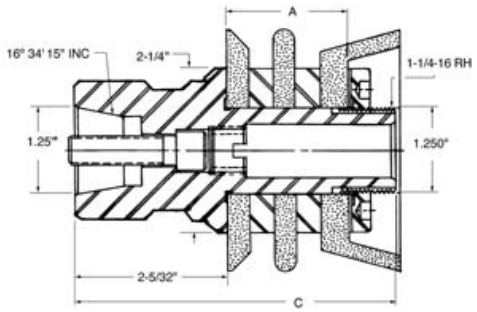


00508



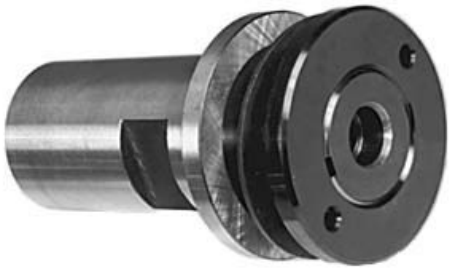
00510

SOPKO CATALOG NO.	WALTER PART NO.	DIMENSIONS A	DIMENSIONS C
00508	385009-531	1 to 1-1/4	3-3/4
00509	385008-531	2	4-17/32
50226	-	1 to 2	4-17/32
00510	385007-531	2 to 3-1/2	6-3/32

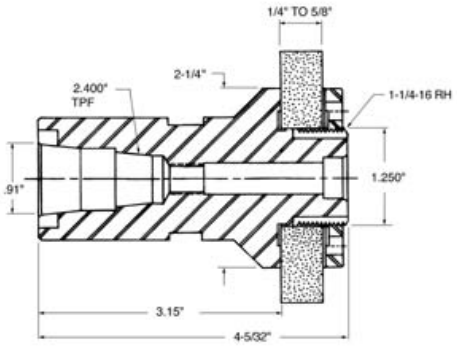


* See Walter Grinder spacers on page 75.

The 50227 Extended Pin Slot adapter for older Walter 50 NC Tool & Cutter grinders, is furnished with a 00062 washer and 00021 nut. The spindle mounting bolt is not included. A 1-1/4" wrench flat on the body makes installation and removal easy.



50227



SOPKO CATALOG NO.
50227

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Tool & Cutter Grinders
Manufactured by S.E. Huffman Co., Clover, SC.

3.000"TPF WITH 1.63" DIAMETER AT LARGE END OF TAPER.
FOR 2.000" ID WHEELS.

Sure we have a lot to offer...performance, value, and a tradition built by decades of competence in our field. Look no further if you've been searching for an adapter that can help maintain superlative finishes and high rates of production. Our S.E. Huffman adapter series features a PRECISION GROUND TAPER, and CONCENTRICALLY GROUND and SQUARE SURFACES to maximize cutting conditions and prolong wheel life. Safe, reliable grinding wheel lock is achieved using THREAD GROUND OD THREADS on the hub. Adapter hubs are HEAT TREATED, nuts are made from pre-heat treated alloy steel, and protected with a BLACK OXIDE finish.



50169



50037

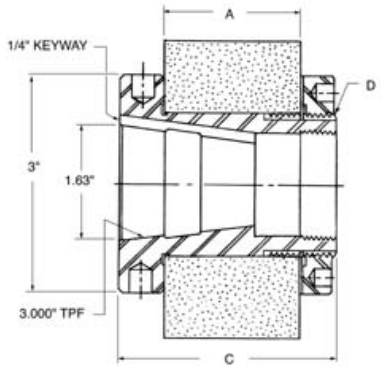


50036



50035

SOPKO CATALOG NO.	DIMENSIONS		
	A	C	D
50035 50038	1/2 to 1 1/2 to 1	2-1/4 2-1/4	2-16LH 2-16RH
50036 50039	2 to 2-1/2 2 to 2-1/2	3-5/8 3-5/8	2-16LH 2-16RH
50049 50169	3 3	4-1/8 4-1/8	2-16LH 2-16RH
50037 50040	3 to 3-1/2 3 to 3-1/2	4-5/8 4-5/8	2-16LH 2-16RH



See page 82 for S.E. Huffman adapter puller assembly.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for CNC Tool & Cutter Grinders
Mfg. by Strausak Corporation, Lohn, Switzerland.

11° 25' 16" INC ANGLE TAPER WITH 30MM (1.18") DIAMETER AT LARGE END OF TAPER.
FOR 38MM (1.496") AND 1.250" ID WHEELS.

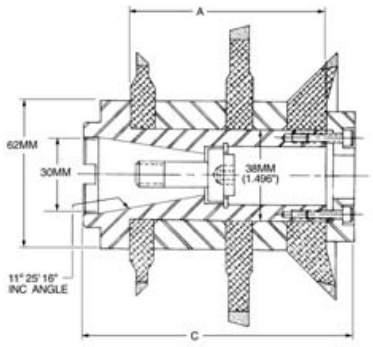
You need adapters that can handle the demanding applications that the Strausak Ecoflex CNC Tool & Cutter Grinder was designed to provide. Engineered specifically for the double ended spindle geometry of the Ecoflex system, Sopko adapters feature a bolt-on flange design that secures the wheel-pack regardless of spindle rotation. A pin-slot at the large end of the taper provides positive hub engagement for bi-directional rotation. Sopko adapters maximize the Strausak Ecoflex performance with precision ground tapers, carburized and hardened component parts for toughness, and ground, square and concentric flange faces that provide identical radial load-bearing surfaces

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to lock the multi-wheel-pack securely. Adapters are furnished with a M10xP1.5 draw-bolt 00037, bolt-on flange 00607, retaining ring 00486, and six M4xP.70 SHCS 01003 to clamp the flange and wheel-hub together.







(Front Side) 00383 (Taper Side)

SOPKO CATALOG NO.	STRAUSAK PART NO.	DIMENSIONS	
		A	C
00383	91-12-902	60MM (2.36")	79MM (3.11")
00382	91-12-901	80MM (3.15")	100MM (3.94")

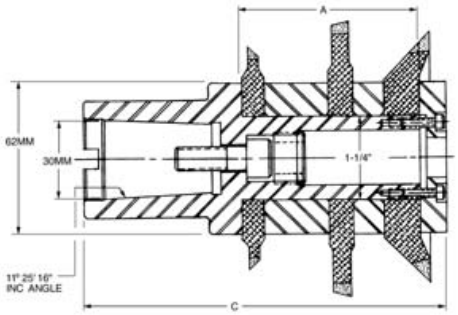
Incorporating all of the quality design features and benefits of the Strausak Ecoflex CNC Tool & Cutter adapters above, these adapters are made for 1-1/4" ID wheels. Now Strausak Ecoflex users have access to the wide variety of "standard bore", 1-1/4" ID, wheels that are available.
Adapters are furnished with a M10XP1.5RH draw-bolt 02723, bolt-on flange 00588, 3/4-16 RH hollow set screw 02630, and six M4XP.70RH SHCS 01003 to clamp the flange and wheel-hub together.





00026 (Front Side) **00645 (Taper Side)**

SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00026	60MM (2.36")	120MM (4.72")
00645	80MM (3.15")	141MM (5.55")



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

How did we create the Sopko legacy? Attention to detail and an unremitting commitment to quality that generations of grinding professionals have come to know as the unmatched standard of the industry. Today, customers are still asking for value, performance, and precision.
It's been nearly 50 years; we're still listening.

- HIGH QUALITY INTERNAL TAPERS for precision mounting.
- THREAD GROUND OD THREADS for maximum concentricity and squareness.
- HEAT TREATED COMPONENT PARTS for strength and reliability.
- CONCENTRIC and SQUARE GROUND SURFACES for better workpiece finishes.
- BLACK OXIDE FINISH to protect your investment.



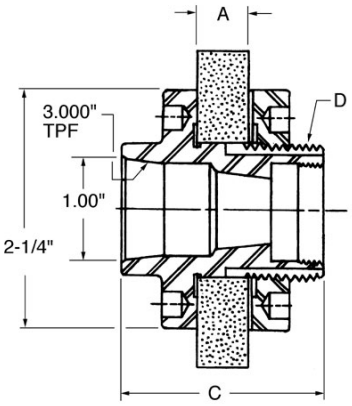


FIG. 1

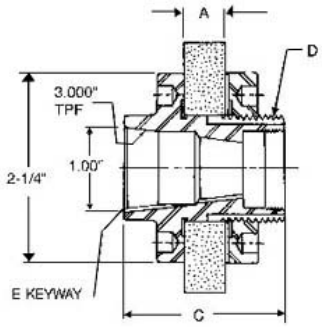


FIG. 2

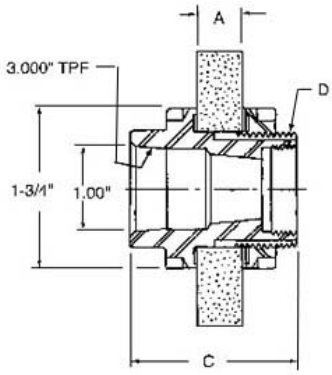


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	E
00100	1	100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00102	1	100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00105	1	100-1C	3/4	1-7/8	1-1/4-16LH	-
00101*	2	AN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	3/16
50183*	2	AN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	3/16
00112	2	KW100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	1/8
00200	1	200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00202	1	200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00208	1	K200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00216	1	K200-2	1/8 to 1/2	1-3/4	1-1/4-16RH	-
00217	1	200-1C	1/2	1-3/4	1-1/4-16LH	-
00201*	2	AN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00225*	2	AN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00226	2	KW200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	1/8
00227	2	KW200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	1/8
00300	1	300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00303*	2	AN-300-1	3/4 to 1	2-1/4	1-1/4-16LH	3/16
00308*	2	AN-300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00302	1	300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00301	1	300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00304	1	300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00305	1	300-1C	1	2-1/4	1-1/4-16LH	-
00306	1	300-2C	1	2-1/4	1-1/4-16RH	-
00307	1	R300-2B	1/2 to 1-1/2	2-11/16	1-1/4-16RH	-
50319	2	KW300-1	3/4 to 1	2-1/4	1-1/4-16LH	1/8
00686	2	KW300-2	3/4 to 1	2-1/4	1-1/4-16RH	1/8
00207	3	X200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00245	3	X200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

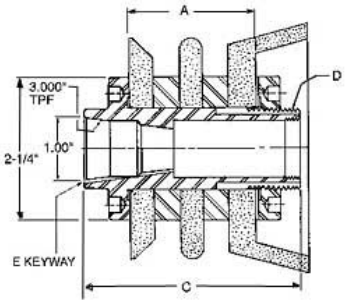
CAUTION!
Always Wear Safety Goggles When Griding.

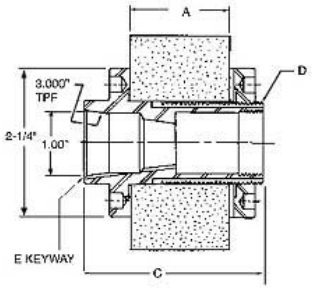
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko is more than quality products; it's quality service too. You can be sure of quick personalized service every time you call. We know you don't have a lot of time to waste listening to phone recordings. You'll be talking to real people with answers to your grinding accessory needs.

- SAME DAY shipment of standard product.
- FRIENDLY and KNOWLEDGEABLE people with INFORMATION you need.
- The LARGEST STOCK of precision grinding accessories in America.
- The source for SPECIAL GRINDING ACCESSORIES made to your specifications.







SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	E
00400	400-1A	2	3-3/16	1-1/4-16LH	-
00402	400-2A	2	3-3/16	1-1/4-16RH	-
00401	400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00403	400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00406	400-1C	1-3/4 to 2	3-3/16	1-1/4-16LH	-
00415	400-2C	1-3/4 to 2	3-3/16	1-1/4-16RH	-
00327*	AN400-1B	1 to 2	3-3/16	1-1/4-16LH	3/16
00413	-	2-1/2 to 2-3/4	3-13/16	1-1/4-16LH	-
00414	-	2-1/2 to 2-5/8	3-3/4	1-1/4-16LH	-
00500	500-1A	3	4-3/16	1-1/4-16LH	-
00502	500-2A	3	4-3/16	1-1/4-16RH	-
00501	500-1B	2 to 3	4-3/16	1-1/4-16LH	-
00503	500-2B	2 to 3	4-3/16	1-1/4-16RH	-
00506	500-1C	1-1/2 to 3	4-3/16	1-1/4-16LH	-
00600	600-1A	4	5-3/16	1-1/4-16LH	-
00602	600-2A	4	5-3/16	1-1/4-16RH	-
00601	600-1B	3 to 4	5-3/16	1-1/4-16LH	-
00604	600-2B	3 to 4	5-3/16	1-1/4-16RH	-
00605	600-1C	3-5/8 to 4	5-3/16	1-1/4-16LH	-
00701	700-1B	4-1/2	5-11/16	1-1/4-16LH	-
00702	700-1C	5	6-3/16	1-1/4-16LH	-
00800	800-1A	6	7-3/16	1-1/4-16LH	-
00801	800-1B	5 to 6	7-3/16	1-1/4-16LH	-
00900	900-1A	7	8-3/16	1-1/4-16LH	-
00999	1000-1A	8	9-3/16	1-1/4-16LH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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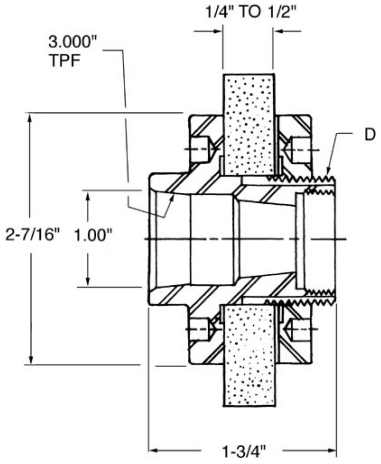
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

00220 (220-1) is the standard replacement adapter for Bridgeport-Harig and Parker PM Majestic grinding machines using 7" diameter wheels.



00220

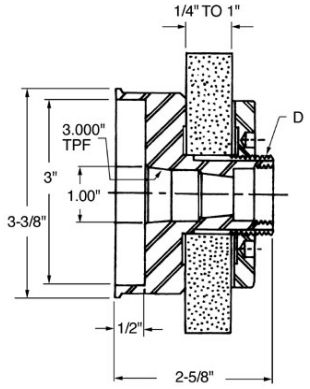


SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00220	220-1	1-1/4-16LH
00221	220-2	1-1/4-16RH

Providing optimum protection against contamination to the wheelhead spindle nose, these high-quality SHROUDED ADAPTERS are designed for performance. Sopko assures this standard with quality features like PRECISION GROUND TAPERS and CONCENTRICALLY GROUND AND SQUARE surfaces to maximize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these adapters because Sopko HEAT TREATS every one.



(Front Side) 00180 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00180	2BY-LH	1-1/4-16LH
00181	2BY-RH	1-1/4-16RH

See page 60 for Pope style shrouded adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250", 1.500", AND 2.000" ID WHEELS.

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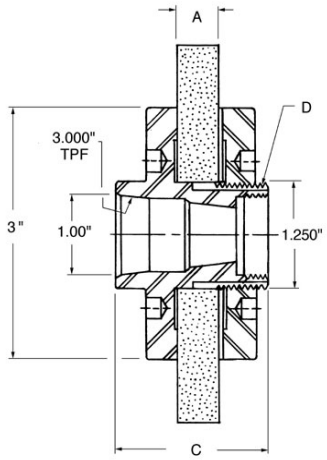


00130



00430

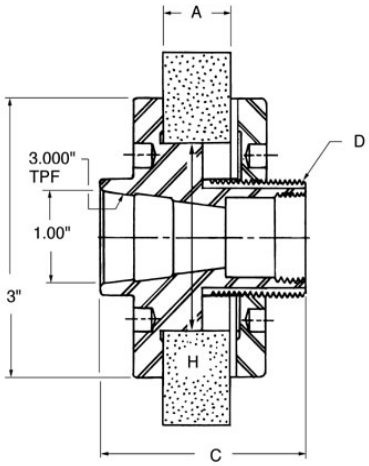
SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D
00130	130-1	3/4	1-15/16	1-1/4-16LH
00132	130-2	3/4	1-15/16	1-1/4-16RH
00230	230-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00232	230-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00330	330-1	3/4 to 1	2-1/4	1-1/4-16LH
00332	330-2	3/4 to 1	2-1/4	1-1/4-16RH
00331	330-1S	3/8 to 1	2-1/4	1-1/4-16LH
00386	330-2S	3/8 to 1	2-1/4	1-1/4-16RH
00430	430-1A	2	3-1/4	1-1/4-16LH
00432	430-2A	2	3-1/4	1-1/4-16RH
00431	430-1B	1 to 2	3-1/4	1-1/4-16LH
00433	430-2B	1 to 2	3-1/4	1-1/4-16RH
00434	430-1D	2-1/4 to 2-1/2	3-3/4	1-1/4-16LH
00435	430-1E	1-1/2 to 2	3-1/4	1-1/4-16LH





00334

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	H
00333	330-1-1.500	1/2 to 1	2-1/4	1-1/4-16LH	1.500
00334	330-1-2.000	1/2 to 1	2-1/4	1-1/4-16LH	2.000



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Play it safe with larger diameter wheels by using Sopko 3-1/2" OD wheel adapters. Manufactured with the same attention to detail, these Sopko adapters feature a high quality internal ground taper, thread ground OD threads, concentric and square ground surfaces, heat treated hub and nut with black oxide finish. Only Sopko offers all these valuable features.

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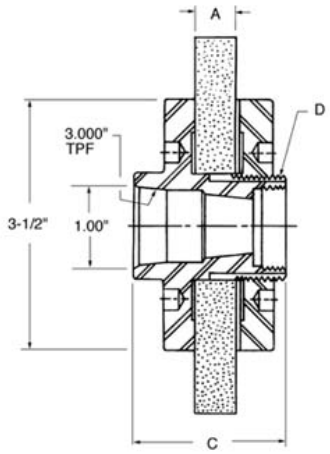


00235



00337

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
00135	135-1	3/4	1-15/16	1-1/4-16LH
00235	235-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00236	235-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00335	335-1	3/4 to 1	2-1/4	1-1/4-16LH
00336	335-2	3/4 to 1	2-1/4	1-1/4-16RH
00337	335-1B	1-1/2	2-3/4	1-1/4-16LH
00618	335-2A	1/2 to 1	2-1/4	1-1/4-16RH



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

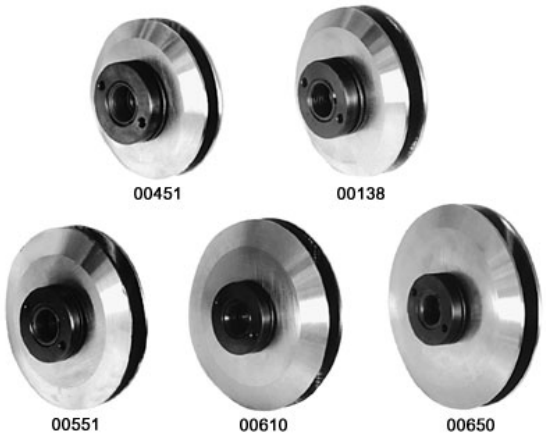
William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

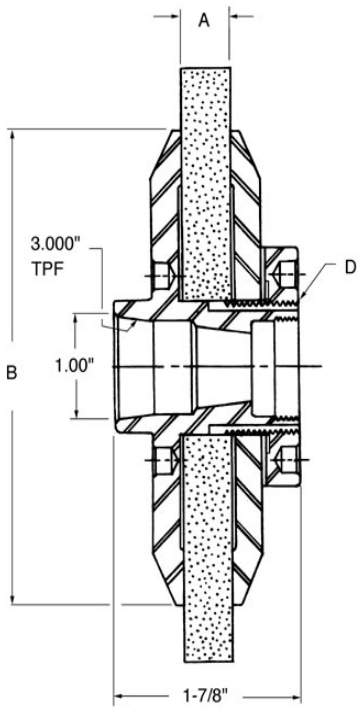
Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. DESIGNED FOR THIN CUT-OFF WHEELS AND DIAMOND WHEELS.

Sopko flanged adapters are machined from alloy steel. The resulting one piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design, and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00451	4.5-1	0 to 1/2	4-1/2	1-1/4-16LH
00452	4.5-2	0 to 1/2	4-1/2	1-1/4-16RH
00138	5.0-1	0 to 1/2	5	1-1/4-16LH
00139	5.0-2	0 to 1/2	5	1-1/4-16RH
00551	5.5-1	0 to 1/2	5-1/2	1-1/4-16LH
00552	5.5-2	0 to 1/2	5-1/2	1-1/4-16RH
00610	6.0-1	0 to 1/2	6	1-1/4-16LH
00612	6.0-2	0 to 1/2	6	1-1/4-16RH
00650	6.5-1	0 to 1/2	6-1/2	1-1/4-16LH
00652	6.5-2	0 to 1/2	6-1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

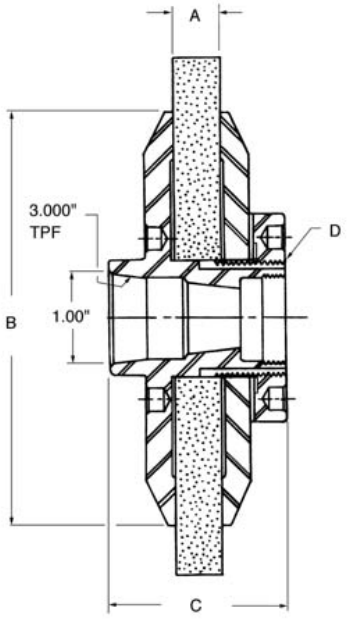
All the quality features you expect from Sopko are built into these larger diameter flanged wheel adapters too...

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.



00710 (Front Side) (Taper Side)

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SOPKO

CATALOG NO. SOPKO
PART NO. DIMENSIONS

A	B	C	D							
00710	7.0-1	0 to 1/2	7	1-7/8	1-1/4-16LH	00712	7.0-2	0 to 1/2	7	1-7/8	1-1/4-16RH
00750	7.5-1	0 to 1/2	7-1/2	1-7/8	1-1/4-16LH	00752	7.5-2	0 to 1/2	7-1/2	1-7/8	1-1/4-16RH
00810	8.0-1	0 to 1/2	8	2	1-1/4-16LH	00812	8.0-2	0 to 1/2	8	2	1-1/4-16RH

See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.* FOR 2.000" AND 3.000" ID WHEELS.

Now you can extend the useful working life of 2.000" and 3.000" ID grinding wheels. There is no need to waste money by throwing worn wheels away. Extend wheel life, use Sopko 4-1/2" flanged diameter wheel adapters! Machined from forged alloy steel, the one-piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

All the quality features you expect from Sopko are built into these flanged wheel adapters for 2.000" ID and 3.000" ID grinding wheels.

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable

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wheel lock.

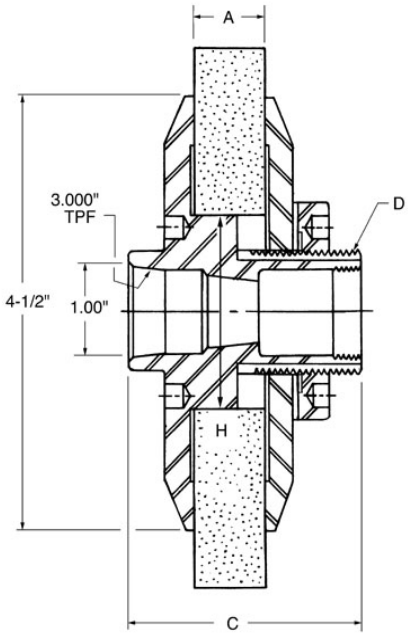
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.
- Not for larger surface grinders (taper is 1.00" at LE).



00453



00455



SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D	H
00453	4.5-1-2	3/8 to 3/4	2-1/8	1-1/4-16LH	2.00
00454	4.5-2-2	3/8 to 3/4	2-1/8	1-1/4-16RH	2.00
00455	4.5-1-3	3/8 to 1	2-3/8	1-1/4-16LH	3.00
00456	4.5-2-3	3/8 to 1	2-3/8	1-1/4-16RH	3.00

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

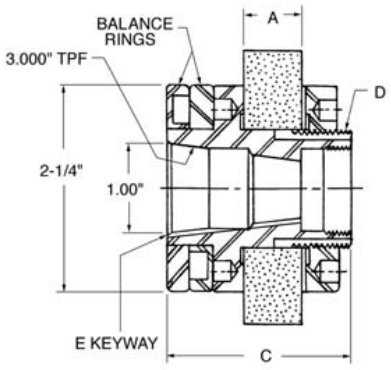
Standard Taper Balancing Wheel Adapters for Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Sopko balancing rings have milled pockets with 180° arc-length. One end of the arc is permanently stamped with a reference line and arrow to designate direction of rotation. Unlike some balancing rings, Sopko “sandwiches” the milled pockets together inside the mated faces. Grinding grit can’t build up! Rings are lapped flat and ground for a precision fit. A nylon-tipped set screw secures each ring to the adapter hub. All balancing adapters furnished with a 3/32" hex wrench 00938.







00565 00106

SOPKO CATALOG NO. SOPKO PART NO. DIMENSIONS

A C D E

00106 B100-1 1/2 to 3/4 1-7/8 1-1/4-16LH - 00107 B100-2 1/2 to 3/4 1-7/8 1-1/4-16RH -

00260 B200-1 1/4 to 1/2 1-3/4 1-1/4-16LH - 00262 B200-2 1/4 to 1/2 1-3/4 1-1/4-16RH -

00310 B300-1 3/4 to 1 2-1/4 1-1/4-16LH - 00311 B300-1B 1-1/2 2-11/16 1-1/4-16LH - 00313 B300-1C 1 2-1/4 1-1/4-16LH - 00312 B300-2 3/4 to 1 2-1/4 1-1/4-16RH - 50331** ANB300-2 3/4 to 1 2-1/4 1-1/4-16RH 3/16 00338 B300-2B 1-1/2 2-11/16 1-1/4-16RH -

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00404 B400-1A 2 3-3/16 1-1/4-16LH -

Use Sopko Balancing Adapters to:

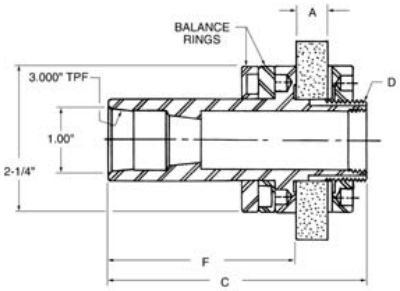
- Increase productivity.
- Reduce downtime and maintenance.
- Produce low micro-finishes.
- Reduce wheel wear and truing frequency.
- Reduce costly spindle failures.

00405 B400-2A 2 3-3/16 1-1/4-16RH - 00410 B400-1B 1 to 2 3-3/16 1-1/4-16LH - 00412 B400-2B 1 to 2 3-3/16 1-1/4-16RH -

00504 B500-1A 3 4-3/16 1-1/4-16LH - 00565 B500-1B 2 to 3 4-3/16 1-1/4-16LH - 00505 B500-2A 3 4-3/16 1-1/4-16RH - 50305 B600-1B 3 to 4 5-3/16 1-1/4-16LH - 50393 B1000-1A 8 9-3/16 1-1/4-16LH -

**Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.





00228

SOPKO
CATALOG NO. SOPKO
PART NO. DIMENSIONS

A C D F

00228 B200-1LH1-5/8 1/4 to 1/2 3-3/8 1-1/4-16LH 2-5/16 00229 B200-2RH1-5/8 1/4 to 1/2 3-3/8 1-1/4-16RH 2-5/16 00244 B200-1LH2-3/4 1/4 to 1/2 4-1/2 1-1/4-16LH 3-7/16 00219 B200-2RH2-3/4 1/4 to 1/2 4-1/2 1-1/4-16RH 3-7/16

*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing

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surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.



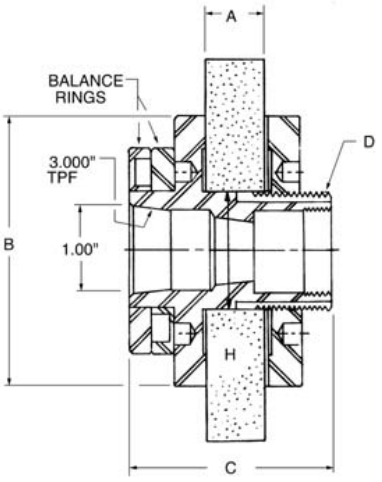
00460

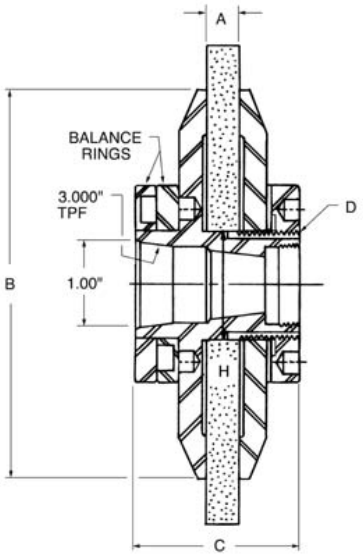


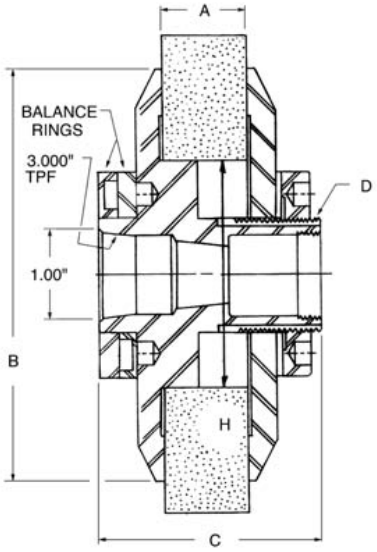
00248
(Front Side)



00251
(Taper Side)







SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000

*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Long Extended Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko LONG EXTENDED ADAPTERS are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinder applications where the operator must reach across a boss or other obstruction in order to grind. The adapters have also found wide application on cutter grinders and tap grinders.



00203



00252

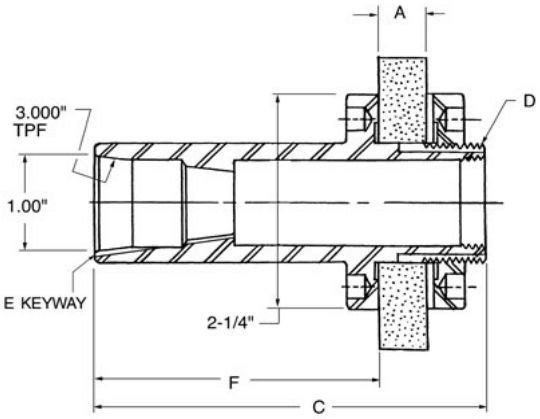


FIG. 1

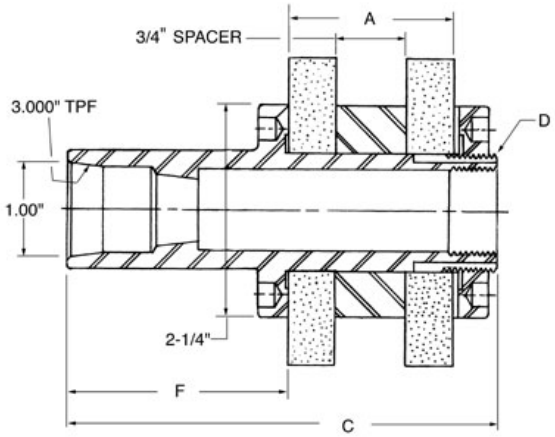


FIG. 2

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS A	C	D	E	F
00901	1	200-1LH-1/4	1/4 to 5/8	2	1-1/4-16LH	-	15/16
00203	1	200-1LH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	-	2-5/16
00204	1	200-2RH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	-	2-5/16
50315	1	200-1LH1-5/8KW	1/4 to 1/2	3-3/8	1-1/4-16LH	1/8	2-5/16
05256	1	200-1E-1-5/8	2-1/4	5-1/16	1-1/4-16LH	-	2-5/16
00252*	2	S200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00254	1	200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00214	1	200-1LH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	-	3-7/16
00215	1	200-2RH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	-	3-7/16

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Cup Wheel Extended Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Sopko cup wheel adapters are made with a THIN WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive wheel lock. A hardened and ground nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN UP during spindle rotation.

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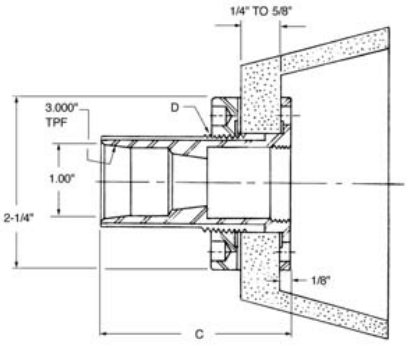




00263 **00265**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		C	D
00263	200-1CW	2-1/2	1-1/4-16LH
00264	200-2CW	2-1/2	1-1/4-16RH
00265	-	3-1/2	1-1/4-16LH
00266	-	3-1/2	1-1/4-16RH

*Grinding wheel not included.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Short I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All SHORT IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 1-1/4" wrench flat on the body makes installation and removal easy.

CHECK THESE FEATURES!

- ALL DIAMETERS GROUND for concentricity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- ALL COMPONENT PARTS HEAT TREATED for strength and long life.
- THREAD GROUND EXTERNAL THREADS for maximum concentricity and squareness.
- SPECIALS can be made to your requirements. Please specify wheel OD, width, and ID.

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00759



00765



00769

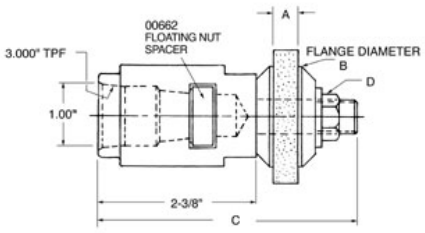


00773



00775

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00759	200-3/8LH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16LH HEX
00760	200-3/8RH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16RH HEX
00761		1/2 to 3/4	2	3-7/8	3/8-16LH HEX
00762		1/2 to 3/4	2	3-7/8	3/8-16RH HEX
00763	200-1/2LH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13LH HEX
00764	200-1/2RH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13RH HEX
00765		3/8 to 5/8	2	3-7/8	1/2-13LH HEX
00766		3/8 to 5/8	2	3-7/8	1/2-13RH HEX
00769		1/2	2	3-7/8	5/8-18LH HEX
00770		1/2	2	3-7/8	5/8-18RH HEX
00773		1/2	2	4	3/4-16LH HEX
00774		1/2	2	4	3/4-16RH HEX
00775	200-1LH-S	1/2	2-1/2	4	1-20LH ROUND
00776	200-1RH-S	1/2	2-1/2	4	1-20RH ROUND



Standard Taper Long I.D. Wheel Extensions.*
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16” wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783



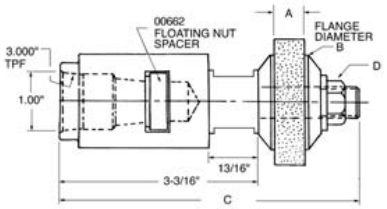
00787



00791

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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16” wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783



00787

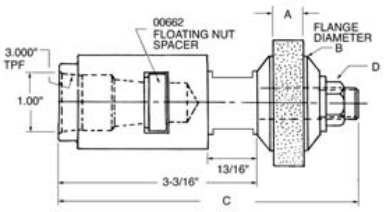


00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX

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00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Collet Chuck Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

Widely used on surface grinders, the set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

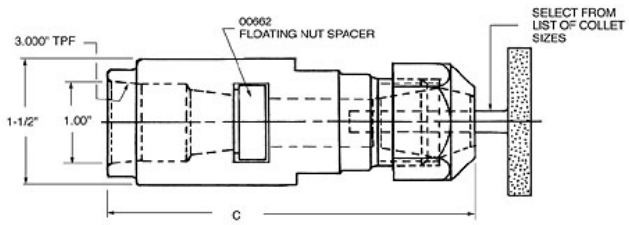
THERE IS A DIFFERENCE WITH SOPKO!

- Collet Chuck Quills are ground all over for true CONCENTRICITY and BALANCE.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- Made from AMERICAN SUPERIOR QUALITY alloy steel and heat treated for optimum performance.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose angle to assure PROPER ENGAGEMENT of the grinding wheel shank.


00246


00249

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C
00246	200-CCEA-S	2-15/16
00249	200-CCEA-L	4-15/16



6000 SERIES COLLETS** RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	**COLLET CAPACITY**
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2

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59125 NUT

**Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Male Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

SHORT MALE EXTENSIONS provide increased utility because grinding wheels already mounted do not need to be dismounted. This feature is especially useful when grinding with diamond wheels. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut. A 1-1/8" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

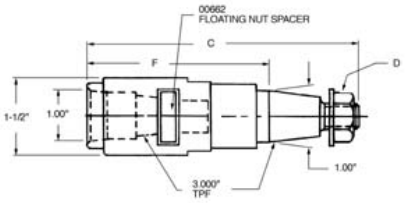


00237

LONG MALE EXTENSIONS are designed for even greater clearance possibilities with their added reach. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut.



00257



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F
00237	200-3-1/2LH	5-1/4	1/2-13LH	HEX 3-1/2
00238	200-3-1/2RH	5-1/4	1/2-13RH	HEX 3-1/2

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00257	200-5LH	6-5/8	1/2-13LH	HEX 4-7/8
00258	200-5RH	6-5/8	1/2-13RH	HEX 4-7/8

* See page 76 for available hex spindle nut sizes.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Reversible Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

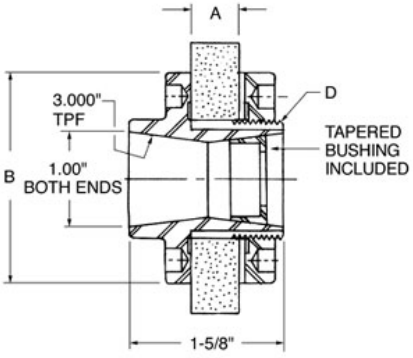
- Formed wheels are used either way without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper and are securely locked against loosening by the wheel rotation.
- Manufactured from quality steel to withstand the rigors of daily use, then HARDENED and GROUND.

For use on all spindles having a 3.000" TPF with 1.00" diameter at large end of taper. Including: Boyar-Schultz, Bridgeport, Brown & Sharpe, DoAll, Excello, Foote Burt-Hammond, Harig, Norton, Parker Majestic, Pope, Reid, Sanford, Setco, Taft Pierce, and Whitnon.



00222

A precision ground double-taper and removable bushing make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. LH thread is standard.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00222	222RWA	1/4 to 1/2	2-1/4	1-1/4-16LH
00255	222RWA-R	1/4 to 1/2	2-1/4	1-1/4-16RH
00256	4.5-2RWA	0 to 1/2	4-1/2	1-1/4-16RH
00022	22-W	Replacement tapered bushing.		

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters For Metric Bore Wheels.*

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3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 32MM (1.217") ID WHEELS.



00174



00176

For 32MM Metric Bore Wheels



00170



00172

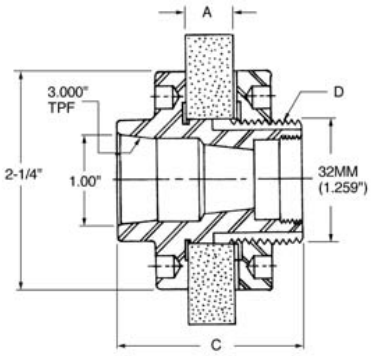


FIG. 1
For 32MM Metric Bore Wheels

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00170	1	1-100-1	1/2 to 3/4	1-7/8	1-1/4-16LH
00171	1	1-100-2	1/2 to 3/4	1-7/8	1-1/4-16RH
00172	1	2-200-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00173	1	2-200-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00174	1	3-300-1	3/4 to 1	2-1/4	1-1/4-16LH
00175	1	3-300-2	3/4 to 1	2-1/4	1-1/4-16RH
00176	2	2-230-1	1/4 to 1/2	1-3/4	1-1/4-16LH

*Other metric sizes quoted on request.

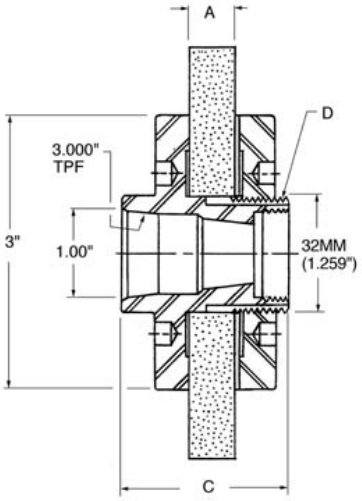


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the

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RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

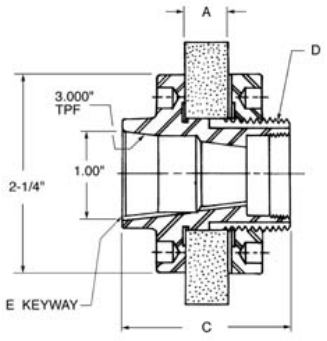
Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.



00345 **00348** **00366**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSION			
		A	C	D	E
00345	EN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00346	EN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00347	EN100-1C	3/4	1-7/8	1-1/4-16LH	-
00348	EN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00349	EN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00350*	ENA200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00351*	ENA200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00352**	ENK200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00353**	A2031-1	1/8 to 5/8	1-3/4	1-1/4-16LH	-
00355	EN200-1C	1/2	1-3/4	1-1/4-16LH	-
00364	EN300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00365	EN300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00368	EN300-1C	1	2-1/4	1-1/4-16LH	-
00369	EN300-2C	1	2-1/4	1-1/4-16RH	-
00356	A2031-2	3/8 to 1	2-1/4	1-1/4-16LH	-
00366	EN300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00367	EN300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00370	A2031-5	3/8 to 1-1/2	2-11/16	1-1/4-16LH	-



Electroless nickel plating available on all Sopko adapters at additional cost.
*Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.
** Keyway to face.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.
Sopko

Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.

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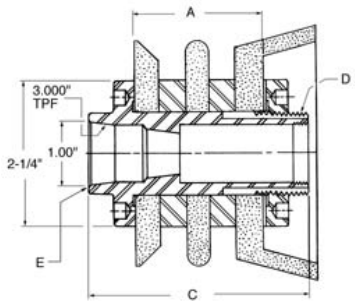


FIG. 1

00373 **00377**

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00371	1	EN400-1A	2	3-3/16	1-1/4-16LH
00372	1	EN400-2A	2	3-3/16	1-1/4-16RH
00373	1	EN400-1B	1 to 2	3-3/16	1-1/4-16LH
00374	1	EN400-2B	1 to 2	3-3/16	1-1/4-16RH
00376	1	EN500-1A	3	4-3/16	1-1/4-16LH
00377	1	EN500-1B	2 to 3	4-3/16	1-1/4-16LH
00378	1	A2031-4	1-3/4 to 3	4-3/16	1-1/4-16LH
00379	1	EN600-1A	4	5-3/16	1-1/4-16LH
00357	2	EN200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH

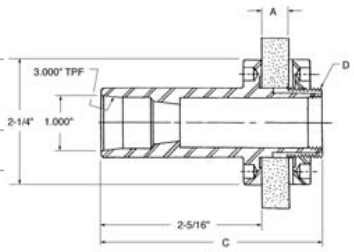


FIG. 2

Electroless nickel plating available on all Sopko adapters at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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01112



00651



00358



00360

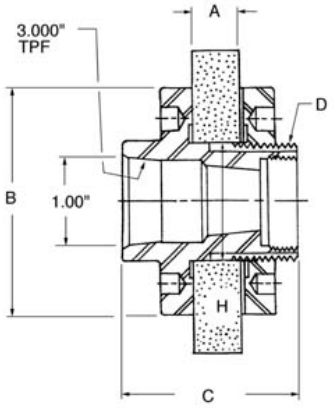


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250
00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250

Electroless nickel plating available on all Sopko adapters at additional cost.
*Balancing style adapter.

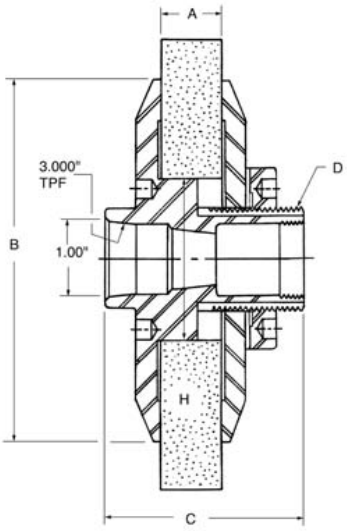


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Stainless Steel Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Made from 300 series stainless steel, and designed for applications that require the ultimate in corrosion resistance, these adapters are used widely in medical applications. They are anti-magnetic, which makes them ideal for cutting slots or grooves in magnetic materials. Hub, washer, and nut are all made from 300 series stainless steel.

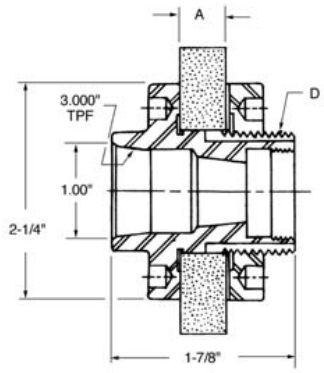
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00259



00267



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00259	SS100-1	3/8 to 3/4	1-1/4-16LH
00261	SS100-2	3/8 to 3/4	1-1/4-16RH
00211	S100/200-1	1/2 to 3/4	1-1/4-16LH
00267	SS100/200-2	1/2 to 3/4	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

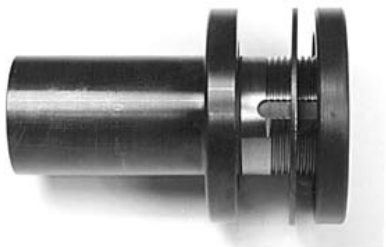
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32” Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



00719



00716

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00721

Note: 3/32" Keyway in small end of taper only

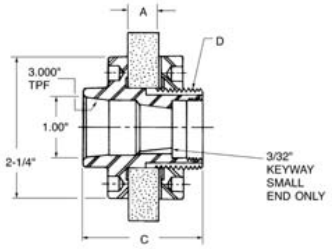


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	F
00716	1	U200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00717**	1	BU200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00718	1	U200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00719	2	U200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00720	2	U200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00721	2	U200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00423	2	U200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16
00722	1	U300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00709	1	U300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00723	1	U300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00193**	1	BU300-1	3/4 to 1	2-1/4	1-1/4-16LH	-

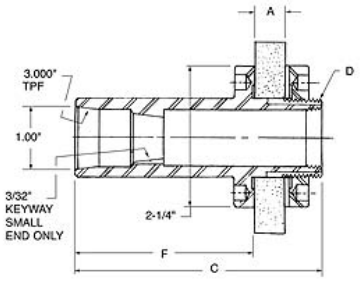


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

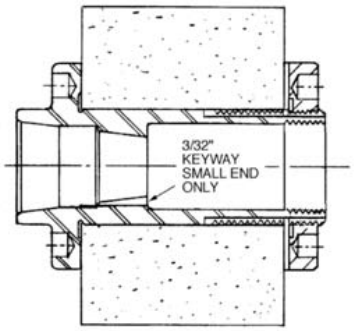
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32" Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



Note: 3/32" Keyway in small end of taper only



00725

SOPKO	SOPKO	DIMENSIONS

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CATALOG NO.	FIG.	PART NO.	A	C	D
00724	1	U400-1A	2	3-3/16	1-1/4-16LH
00725	1	U400-1B	1 to 2	3-3/16	1-1/4-16LH
00726	1	U400-2A	2	3-3/16	1-1/4-16RH
00727**	1	BU400-1B	1 to 2	3-3/16	1-1/4-16LH
00728	1	U500-1A	3	4-3/16	1-1/4-16LH
50320	1	U500-2A	3	4-3/16	1-1/4-16RH
00729	1	U500-1B	2 to 3	4-3/16	1-1/4-16LH
00730	1	U600-1A	4	5-3/16	1-1/4-16LH
00606	1	U600-1B	3 to 4	5-3/16	1-1/4-16LH
00732	2	U330-1	3/4 to 1	2-1/4	1-1/4-16LH
00733	2	U430-1A	2	3-1/4	1-1/4-16LH
00734	2	U430-1B	1 to 2	3-1/4	1-1/4-16LH

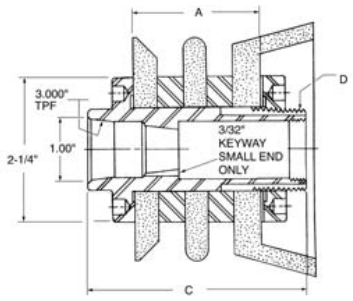


FIG. 1

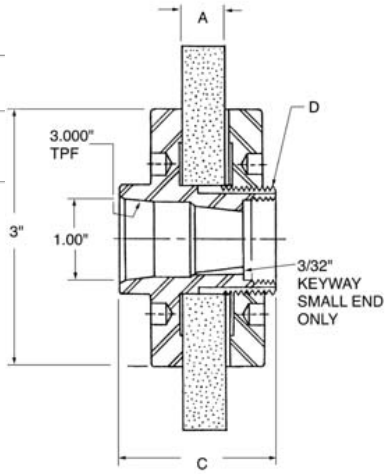


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.



00739

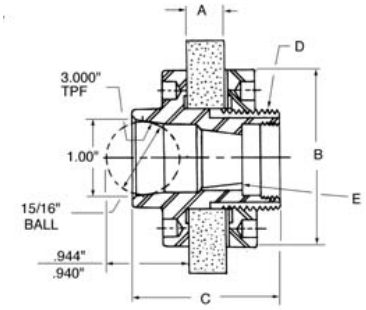


FIG. 1

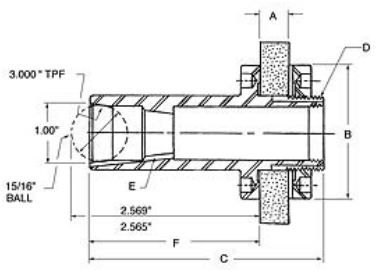


FIG. 2

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00738



00737

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

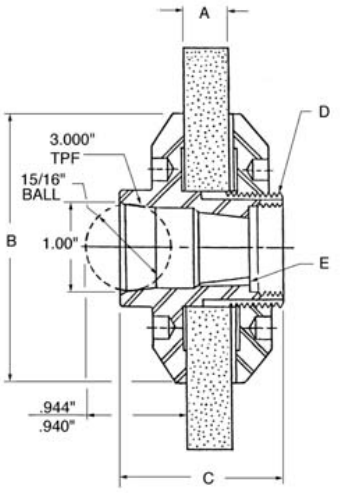


FIG. 3

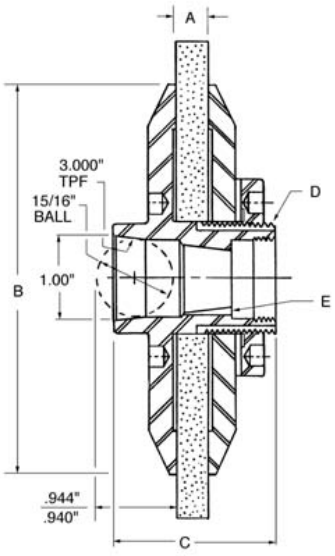


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Wheel Adapters
With Glare Gear Assembly.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The UNIQUE GRINDING WHEEL LOCKING SYSTEM that eliminates damage to grinding wheels and spindle bearings caused by hammering. Also provides best possible mounting concentricity when tightening diamond, CBN, or vitrified wheels.

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01231**



01235

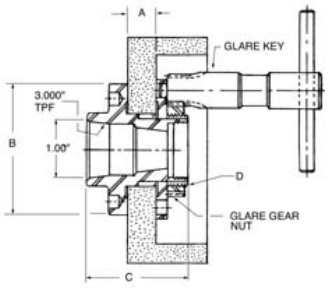


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS					
			A	B	C	D	E	F
01231	1	GG100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-	-
01232	1	GG100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-	-
01233	1	GG200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-	-
01234	1	GG200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-	-
01235	1	GG220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	-	-
01236	1	GG300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-	-
01237	1	GG300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	-	-
00159	1	GG300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	-	-
00127	1	GG400-1A	2	2-1/4	3-3/16	1-1/4-16LH	-	-
00566	1	GG400-2A	2	2-1/4	3-3/16	1-1/4-16RH	-	-
00189	1	GG400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	-	-
00417	1	GG500-1A	3	2-1/4	4-3/16	1-1/4-16LH	-	-
00462	1	GG500-2A	3	2-1/4	4-3/16	1-1/4-16RH	-	-
00704	1	GG500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	-	-
01282	3	GG200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-	2-5/16
00687	3	GG200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	-	3-7/16
00740*	2	GGU100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	3/32	-
00741*	2	GGU100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	3/32	-
00742*	2	GGU200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32	-
00743*	2	GGU200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	3/32	-
00744*	2	GGU300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	3/32	-
00745*	2	GGU300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	3/32	-
00746*	2	GGU300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	3/32	-
00747*	2	GGU400-1A	2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00748*	2	GGU400-2A	2	2-1/4	3-3/16	1-1/4-16RH	3/32	-
00194*	2	GGU400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00324*	2	GGU500-1A	3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00548*	2	GGU500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00320*	3	GGU200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/32	2-5/16
00595*	3	GGU200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3/32	3-7/16
50329*	3	GGU200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	3/32	2-5/16

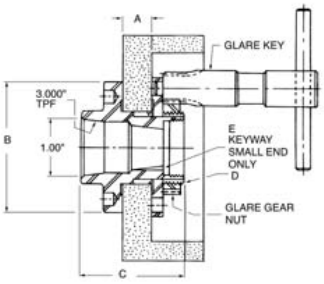


FIG. 2

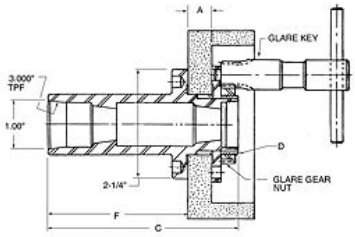


FIG. 3

See page 73 for complete selection of Glare Gear components.
Glare Gear Assemblies can be furnished with all 1-1/4" ID adapters.
List above is stocked product only.
*For grinding machines manufactured by Unison Corp., Ferndale, MI.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Pin Slot Wheel Adapters for Reversing Spindles.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.

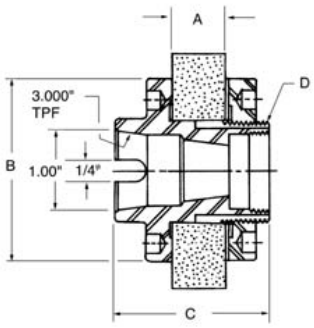


FIG. 1

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00094



00275



00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F
00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-
00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

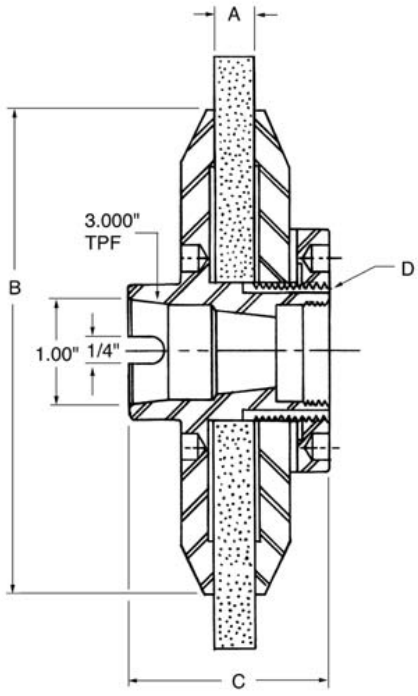


FIG. 2

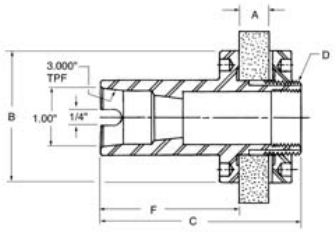


FIG. 3

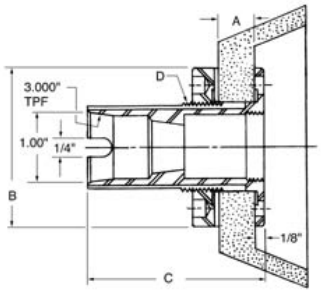


FIG. 4

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Large Taper Wheel Adapters for Larger Grinders.
3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000", AND 5.000" ID WHEELS.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01337

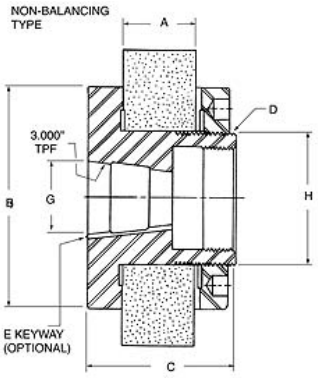


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
50328	2	1 to 1-1/2	5	3-1/4	3-16LH	1/4	1.62	3.000
01330	2	1-1/4 to 2	5	3-9/16	3-16LH	1/4	1.62	3.000
01324	2	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01325	1	1-1/4 to 2	5	3-9/16	2-16LH	1/4	1.62	2.000
01326	1	1-1/4 to 2	5	3-3/8	3-16RH	1/4	1.62	3.000
01327	2	3/4 to 2	5	3-3/8	3-16LH	-	1.62	3.000
01328	2	3/4 to 2	5	3-3/8	3-16RH	-	1.62	3.000
01329	1	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01332 *	2	1-1/4 to 2	7	3-9/16	3-16LH	1/4	1.62	3.000
01331 *	2	1-1/4 to 2	7	3-9/16	3-16RH	1/4	1.62	3.000
01333	2	3/4 to 2	6	3-3/8	4-16LH	-	1.62	4.000
01334	2	3/4 to 2	6	3-3/8	4-16RH	-	1.62	4.000
01335	2	3/4 to 2	7	3-3/8	5-16LH	-	1.62	5.000
01336	2	3/4 to 2	7	3-3/8	5-16RH	-	1.62	5.000
01337	2	1 to 2-1/2	5	4-1/4	3-16RH	1/4	2.25	3.000
01338	2	1 to 2-1/2	5	4-1/4	3-16LH	1/4	2.25	3.000
01339 *	2	1 to 2-1/2	7	4-1/4	3-16RH	1/4	2.25	3.000
01340 *	2	1 to 2-1/2	7	4-1/4	3-16LH	1/4	2.25	3.000

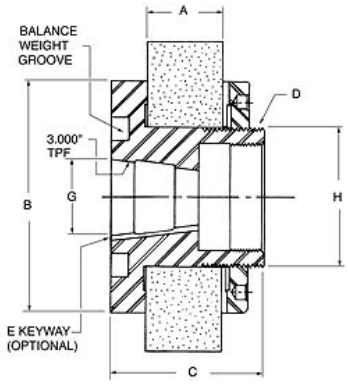


FIG. 2

00831	Three piece bronze balancing weight set for 01324, 01330, 01331, 01332, 01337, 01338, 01339, 01340.
00834	Three piece bronze balancing weight set for 01326.



00831

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* 5" diameter nut.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000” TPF WITH 1.62” AND 2.25” DIAMETER AT LARGE END OF TAPER.
FOR 5.000” AND 8.000” ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use.

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01342

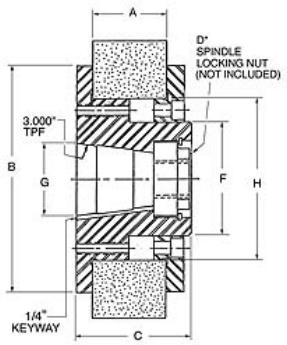


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS A	B	C	D*	F	G	H	SNAP RING
01341	1	3/4 to 1-1/2	7	2-9/16	3/4-16	3-1/2	1.62	5.000	04248
01357	1	1 to 2-1/2	7	3-9/16	1-1/8-12	3-1/2	2.25	5.000	04358
01342	2	3/4 to 1-3/4	7	2-13/16	3/4-16	3-5/8	1.62	5.000	01830
01343	2	1 to 2-1/2	7	3-9/16	1-1/8-12	3-5/8	2.25	5.000	01830
01344	2	1-3/4 to 3	10	4-1/16	1-1/8-12	4	2.25	8.000	01830

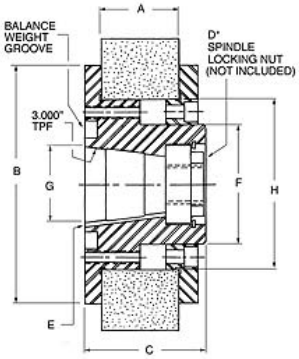


FIG. 2

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01341	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
01342	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
	1-1/2 to 1-3/4	01797	3/8-16X2-1/4	4
01343	1 to 1-1/2	01798	3/8-16X1-1/2	4
01357	1-3/4 to 2	01797	3/8-16X2-1/4	4
	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
01344	1-3/4 to 2	01797	3/8-16X2-1/4	4
	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	2-3/4 to 3	01800	3/8-16X3-1/4	4



01797



00828

00828	Three piece bronze balancing weight set for 01342 and 01343.
00826	Three piece bronze balancing weight set for 01344.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 3.000" AND 5.000" ID WHEELS.

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01353
(Front Side)



01351
(Taper Side)

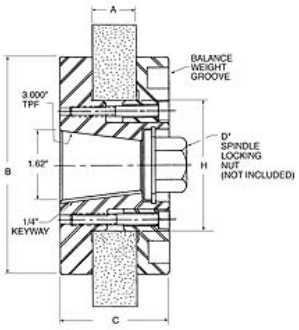


FIG. 1

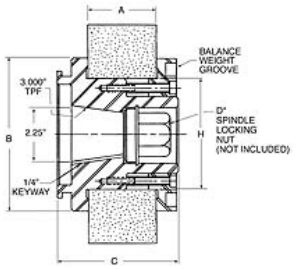


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS			
		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

OPTIONAL SOCKET HEAD CAP SCREW SETS.

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.
00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Tools and Accessories for Wheel Adapters.

SPANNER WRENCHES.

Computer aided design and state-of-the-art manufacturing are combined to produce these versatile and practical wrenches. Drop forged, and heat treated to optimize strength and toughness, Sopko wrenches are made for performance. Thin wall box end construction provides the added clearance needed to free stubborn spindle nuts in tight places. Pins and prongs are integrally forged with the wrench for strength, then machined for a positive fit.

35135 COMBINATION SPANNER AND HEX SOCKET WRENCH.
This Sopko innovation replaces older slotted wrench designs.
7/32" diameter pins set 1-3/4" apart. 11/16" single hex socket.
6-1/8" OAL. Black oxide finish.



10859 COMBINATION SPANNER AND PRONGED WRENCH.
7/32" diameter pins set 1-3/4" apart. Prongs 1/8" thick, 7/8" across. 6-1/32" OAL. Black oxide finish.



00424 (S424) FACE SPANNER WRENCH.
7/32" diameter pins set 1-3/4" apart.
6-1/8" OAL. Black oxide finish.



00476 (PS35135T) HEAVY DUTY COMBINATION SPANNER AND HEX SOCKET WRENCH.
7/32" diameter pins set 1-3/4" apart. 11/16" single hex socket.
Oversized T-handle for extra leverage. 8-1/4" OAL.
Rust resistant finish.



01255 T-HANDLE HEX SOCKET PULLER WRENCH.
Incorporates 11/16" single hex socket wrench and T-handle with an adapter puller to create a one piece tool to remove adapters from spindle tapers. 6-1/8" long. Black oxide finish.



03869 ANCA TG7 WHEEL-PACK WRENCH.
Four 3/16" replaceable pins 01272 provide full nut engagement to safely remove or tighten wheel-packs. A 5/8" wide knurled band and a convenient 3/8" square drive make nut

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removal fast and easy.
Black oxide finish.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

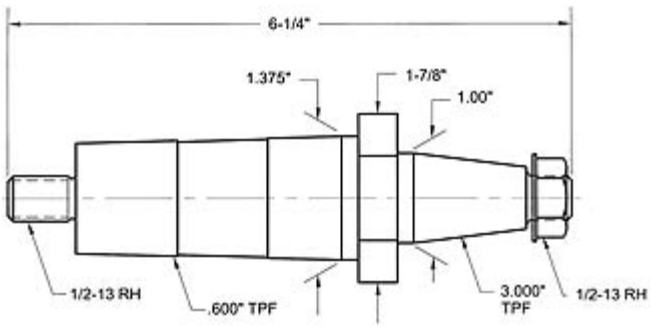
CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

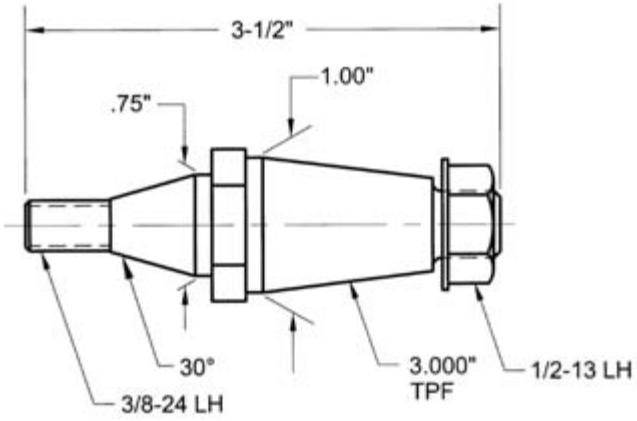
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Spindle Conversion Quills.

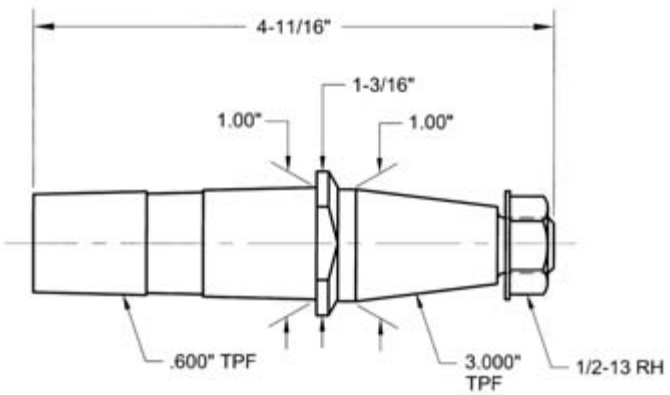
01172 Converts 1.375 Jarno RH Taper to 3" TPF, 1" LE



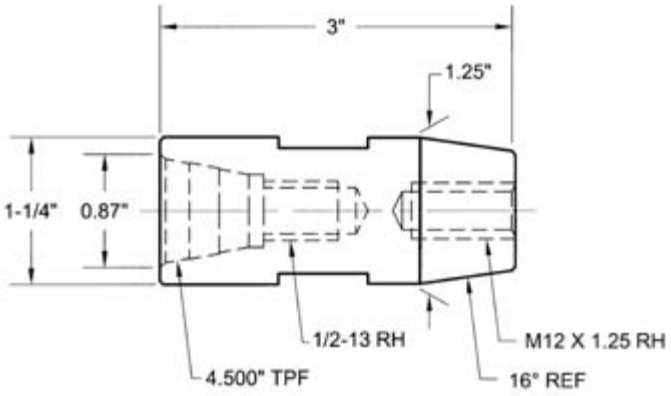
40017 Converts Cincinnati Monoset Taper to 3" TPF, 1" LE



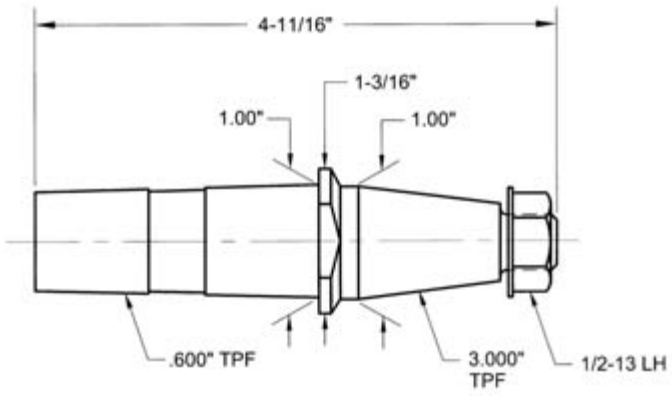
40012 Converts 1.000 Jarno PM to 3" TPF, 1" LE



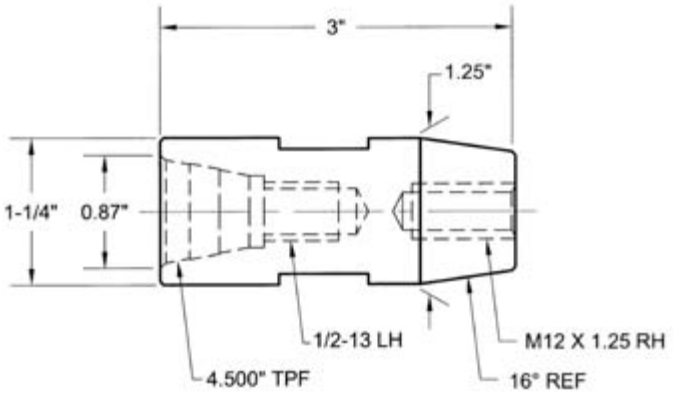
05338 Converts Older RH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE



40014 Converts 1.000 Jarno PM to 3" TPF, 1" LE



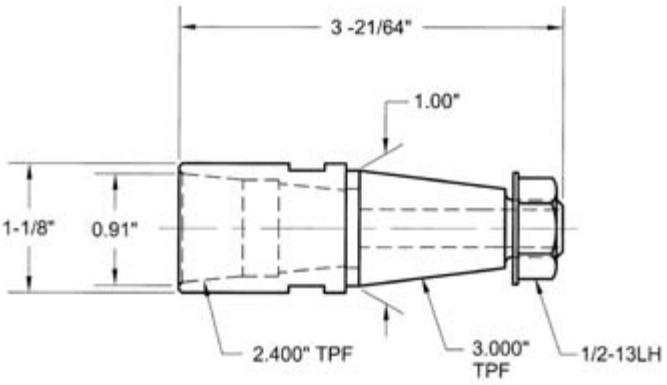
50342 Converts Older LH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE

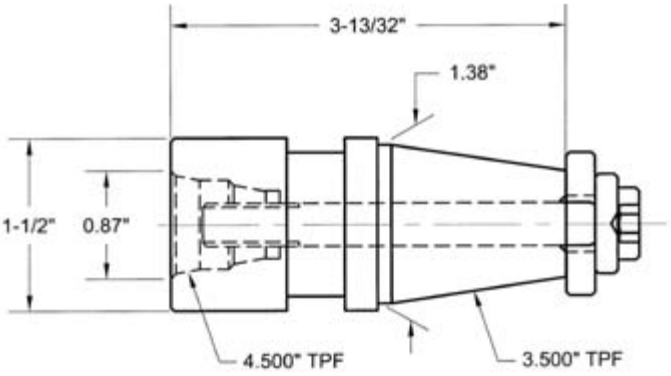


00962 Converts Walter NC50 Taper to 3" TPF, 1" LE

00914 Converts Newer RH Cincinnati 4.5" TPF, .87" LE to ANCA TG7 Taper

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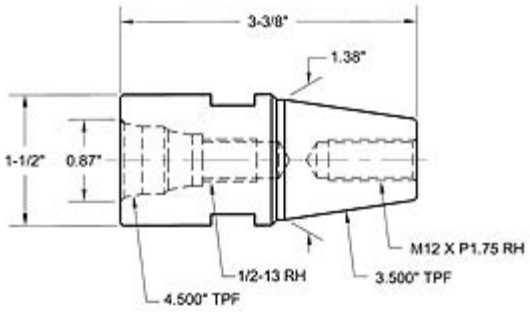


ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

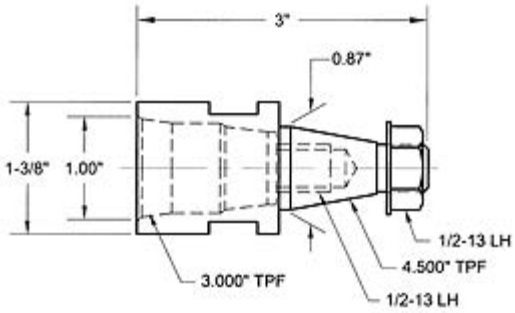
CAUTION!
Always Wear Safety Goggles When Griding.

Spindle Conversion Quills.

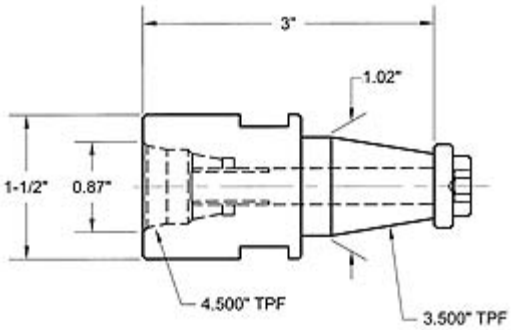
01118 Converts Older RH Cincinnati 4.5" TPF, .87" LE to ANCA TG7 Taper



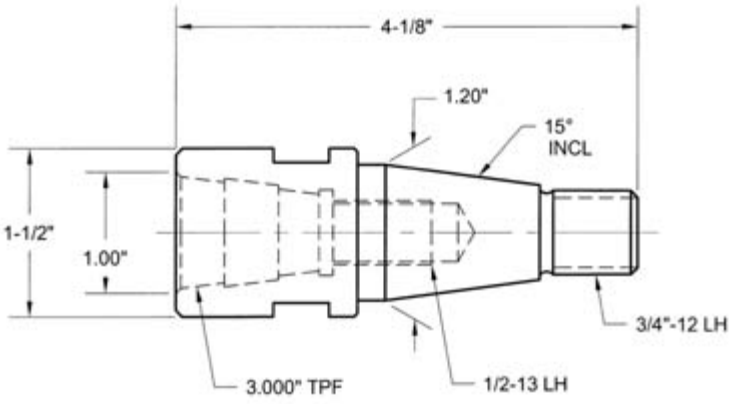
00322 Converts 3" TPF, 1" LE to Cincinnati 4.5" TPF, .87" LE



00489 Converts Newer RH Cincinnati 4.5" TPF, .87" LE to ANCA MG7 Taper



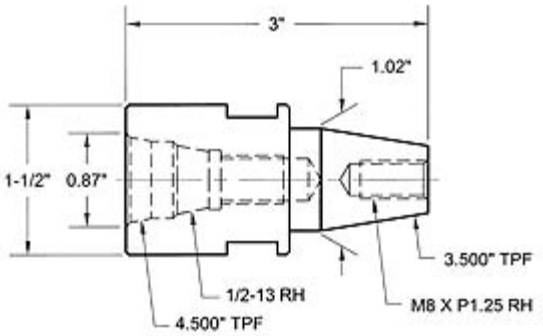
50324 Converts 3" TPF, 1" LE to Myford 15° Ref, 1.024" LE

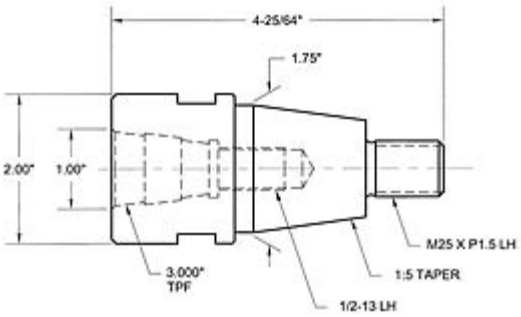


00809 Converts Older RH Cincinnati 4.5" TPF, .87" LE to ANCA MG7 Taper

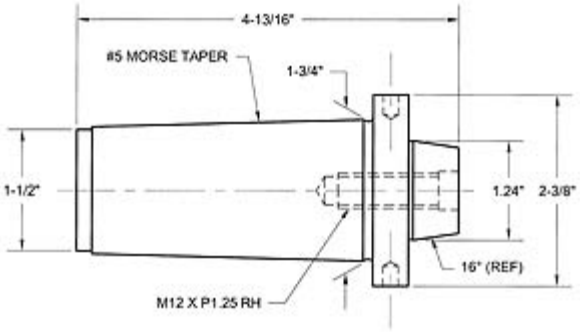
50325 Converts 3" TPF, 1" LE to Okamoto 1:5 Taper Ratio, 1.75" LE

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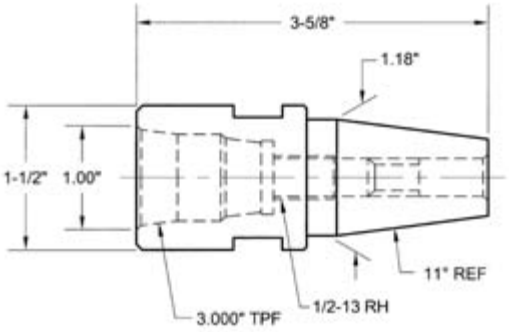




50348 Converts #5 Morse Taper to Walter 16° Ref, 1.25" LE



50366 Converts 3" TPF, 1" LE to Strausak 11° Ref, 30MM LE.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

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Wheel Balancing Stand.

- PORTABLE.
- EXTEND GRINDING WHEEL LIFE.
- EASY TO OPERATE.
- LOW INVESTMENT.
- UP TO 8" DIAMETER WHEELS.
- USE WITH OR WITHOUT BALANCING ADAPTERS.
- HARDENED AND GROUND RAILS.



01001

01000 (BS1000) PORTABLE STATIC WHEEL BALANCER. Furnished with stand, leveling screw, bubble level, 3/16" hex wrench 03866, mounted hardened precision ground rails, and detailed operating instructions. The stand is 6-1/2" wide and 4-13/16" high with a 4" throat. It will handle 8" maximum diameter wheels and can be used with or without balancing style wheel adapters. For the lowest micro-inch finishes, use the BS1000 stand with SOPKO balancing ring adapters.

01001 (BS1000K1) PORTABLE STATIC WHEEL BALANCING KIT includes the 01000 (BS1000) balancing stand, the precision ground 52273 balancing arbor with nut, and the 00251 (B230-1) 3" diameter standard taper wheel adapter with balancing rings for 1/2" wide wheels maximum. Detailed operating instructions included.

01002 (BS1000K) PORTABLE STATIC WHEEL BALANCING KIT includes the 01000 (BS1000) balancing stand, the precision ground 52273 balancing arbor with nut, and the 00260 (B200-1) 2-1/4" diameter, standard taper wheel adapter with balancing rings for 1/2" wide wheels maximum. Detailed operating instructions included.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

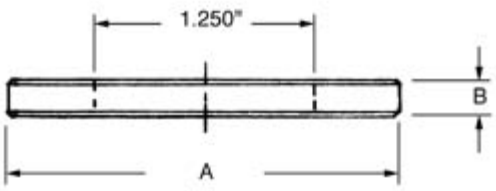
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

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Wheel Adapter Parts.

Spacers.







04297 **01263**





01257 **04298**

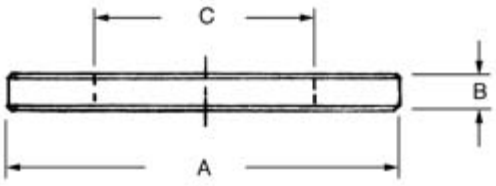




01245 **04299**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	B
04298 *	-	2-1/4	1/8
01245 *	-	2-1/4	1/4
04299 *	-	2-1/4	3/8
04297 *	-	2-1/4	1/2
01263 *	-	2-1/4	5/8
01257 *	-	2-1/4	3/4
00013	W13	2-5/16	3/16
04353**	-	2-3/8	4 MM (.157")
04354**	-	2-3/8	10 MM (.394")
00014	W14	2-7/16	1/4
04316	-	2-7/16	1
00015	W15	3	1/4
00017	W17	3-1/2	1/4

* Used on ANCA TG-4 adapters.
**Walter Helitronic







00085 **00086**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	C
01260†	-	1.9	1/8	1.250
01261†	-	1.9	1/4	1.250
01262†	-	1.9	3/8	1.250
05510†	-	1.9	1/2	1.250
05339†	-	1.9	3/4	1.250
05340†	-	1.9	1	1.250
01305†	-	50 MM (1.97")	5 MM (0.20")	1.250
01310†	-	50 MM (1.97")	10 MM (0.39")	1.250
00085•	96.5301.5002	75 MM (2.95")	1/8	50.775 MM (2")
00086•	96.5301.5003	75 MM (2.95")	1/4	50.775 MM (2")
00668•	-	75 MM (2.95")	3/8	50.775 MM (2")

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04283•	-	75 MM (2.95”)	1/2	50.775 MM (2”)
00143•	-	75 MM (2.95”)	3/4	50.775 MM (2”)
06835	-	5	1/4	3.000
00913	-	7	1	5.000





00668 **00143**

†ANCA MG7
•ANCA TG7

ROTATION:
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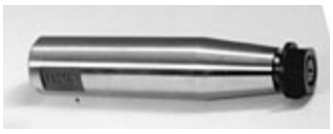
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Tools and Accessories for Wheel Adapters.

TRUING ARBORS.

Provide a quick and easy way to accurately true Sopko adapter mounted grinding wheels.
Made from tough alloy steel, all Sopko truing arbors are hardened and ground to provide a long lasting precision mounting taper to simulate the spindle nose configuration.

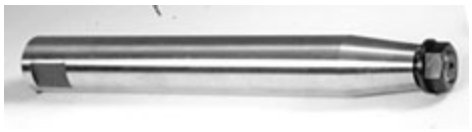
00001 (100TA) For standard taper adapters having 3.000" TPF and 1.00" LE. Hardened and precision ground. 4-11/16" OAL. 1/2-13RH hex spindle nut furnished. (Most Popular)



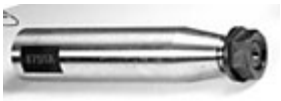
00078 (100-TA-LH) same as 00001 but 1/2-13LH hex spindle nut furnished.



05248 Same as 00001 but 8" OAL. 1/2-13RH hex spindle nut furnished.



00875 (875TA) For use with all Cincinnati taper adapters having
4.500" TPF and .87" LE. Hardened and precision ground. 4-1/4" OAL. 1/2-13RH hex spindle nut furnished.



05292 For use with ANCA MG7/RG7 machines with 3.500" TPF and 1.02" LE. 4-11/16" OAL. Accepts spindle mounting bolt 00666 M8xP1.25RH .



05293 For use with ANCA TG7/DM7 machines with 3.500" TPF and 1.38" LE. 4-11/16" OAL. Accepts spindle mounting bolt 00665 M12xP1.75RH .



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

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Balancing Style Wheel Adapter Accessories.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Using Sopko balancing adapters in your shop makes it possible for you to grind the ultimate in close finish requirements. The milled pockets have a 180° arc length. One end of the arc on each ring is permanently stamped with a reference line and arrow to designate the direction of rotation. Unlike some balancing adapters, Sopko balancing rings “sandwich” the milled pockets together inside the mated faces. Grinding grit can’t build up inside.



52273

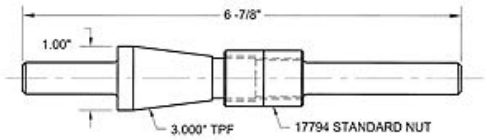


52274

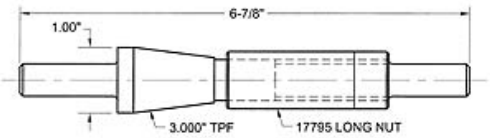


00576

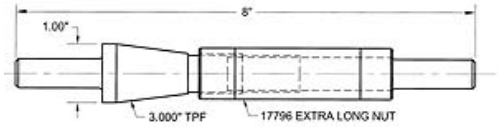
SOPKO CATALOG NO.	DESCRIPTION
52273*	For standard taper adapters locking up to 1-1/2” wide wheels.



52281**	For standard taper adapters locking 1” to 2” wide wheels.

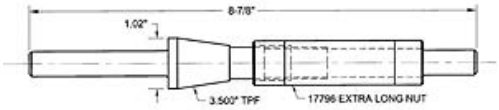


52274**	For standard taper adapters locking 2” to 3” wide wheels.

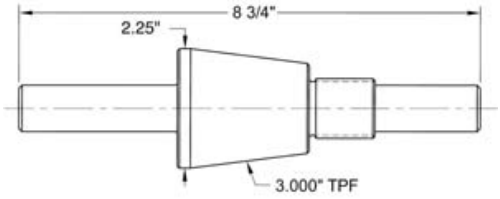


17794	Standard nut only for 52273. 1-1/4" OAL, 5/8-18RH thread.
17795	Long nut only for 52281. 2-1/2" OAL, 5/8-18RH thread.
17796	Extra long nut only for 52274. 3-3/8" OAL, 5/8-18RH thread.

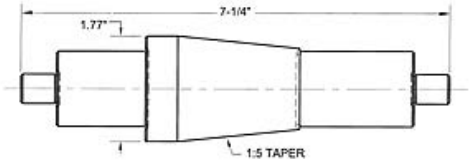
SOPKO CATALOG NO.	DESCRIPTION
00937**	For ANCA MG7/RG7/RGX adapters.



04332**	For large taper adapters.



00876**	For Okamoto 1200, 1600, 2000 DX adapters.



00576	BR1 Balancing ring (two required).
00938	3/32" long hex wrench for BR1 balancing rings.
03866	3/16" short hex wrench for balancing stand.

Sopko BW-1 and BW-3 balancing devices are not designed to be used immediately next to the grinding wheel unless the opposite flange is exactly 3" in diameter. Balancing devices are designed to be used between the wheel adapter nut and the existing washer flange, which should be exactly the same diameter as the opposite flange. Sopko balancing devices are simple to use. Place the balancing washer between the standard lock washer and the standard adapter nut. Then mount on balancing arbor.
Adjust weights until the adapter no longer rotates on the balancing stand.

SOPKO CATALOG NO.	SOPKO PART NO.	DESCRIPTION
00695	BW1	Sopko balancing device with 2 adjustable weights.
00798	BW3	Sopko balancing device with 3 adjustable weights.
00802	BW	Balancing weight and set screw only for BW1 and BW3.



00798

* Only fits Sopko balancing style adapters on page 12 and 13.
** Balancing arbors for other tapers are available on request.

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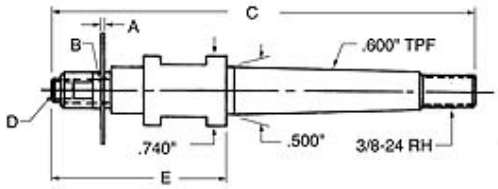
Optional Accessories for 01247 Cartridge Insert Spindle.

Saw Arbors.

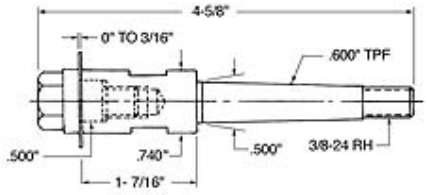


00754 **00141** **00076**

SOPKO CATALOG NO.	DIMENSIONS A	B	C	D	WASHER PAIRS	NUT	E
01177	1/8 to 1/4	.1875	4.58	10-24RH	01887	00972	1.875
01258	1/8 to 1/4	.250	4.58	1/4-20RH	01888	00641	1.875
00754	1/16 to 3/16	.3125	4.58	5/16-18RH	01889	00418	1.875
01920	1/8 to 1/4	.375	4.58	3/8-16RH	01890	00556	1.875
00118	0 to 3/16	.500	4.69	3/8-24RH	01891	01265	1.980
00141	1/8 to 5/16	.500	4.69	3/8-24RH	01891	01265	1.980
00076	0 to 1/8	.500	4.69	3/8-24RH	01891	01265	1.980







01270

Saw arbor furnished with 00808 A2 steel nut only.

SOPKO CATALOG NO.
01270

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- USE WITH OR WITHOUT BALANCING ADAPTERS.
- HARDENED AND GROUND RAILS.



01001

01000 (BS1000) PORTABLE STATIC WHEEL BALANCER. Furnished with stand, leveling screw, bubble level, 3/16" hex wrench 03866, mounted hardened precision ground rails, and detailed operating instructions. The stand is 6-1/2" wide and 4-13/16" high with a 4" throat. It will handle 8" maximum diameter wheels and can be used with or without balancing style wheel adapters. For the lowest micro-inch finishes, use the BS1000 stand with SOPKO balancing ring adapters.

01001 (BS1000K1) PORTABLE STATIC WHEEL BALANCING KIT includes the 01000 (BS1000) balancing stand, the precision ground 52273 balancing arbor with nut, and the 00251 (B230-1) 3" diameter standard taper wheel adapter with balancing rings for 1/2" wide wheels maximum. Detailed operating instructions included.

01002 (BS1000K) PORTABLE STATIC WHEEL BALANCING KIT includes the 01000 (BS1000) balancing stand, the precision ground 52273 balancing arbor with nut, and the 00260 (B200-1) 2-1/4" diameter, standard taper wheel adapter with balancing rings for 1/2" wide wheels maximum. Detailed operating instructions included.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Wheel Balancing Stand.

Balance grinding wheels without leveling or centering by mounting on the four flame-hardened iron discs supported by super-sensitive bearings. In a fraction of the time needed for trial and error methods, you prove balance or detect out-of-balance conditions. Revolving iron discs and their spindles are ground and polished for extreme accuracy. Spindles and bushings are hardened to eliminate the possibility of wear or ball-bearing indentation on spindles or bushings when heavy grinding wheels are being balanced.

Features:

- PORTABLE AND ADJUSTABLE.
- EXTEND GRINDING WHEEL LIFE.
- EASY TO OPERATE.
- LOW INVESTMENT.
- FOR 20" TO 96" DIAMETER WHEELS.
- SUPER-SENSITIVE BEARINGS.
- GROUND AND POLISHED REVOLVING DISCS.
- 1,000 TO 20,000 POUND CAPACITY.



01218

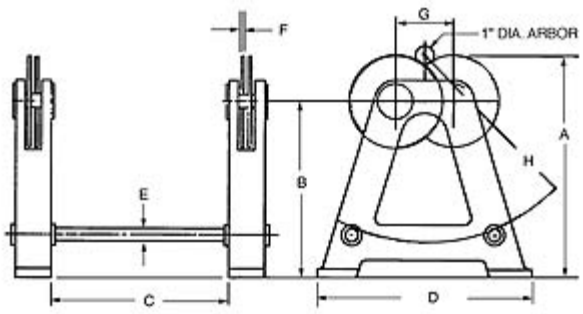
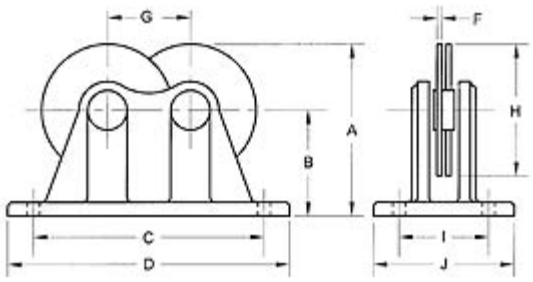


FIG. 2



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FIG. 2

01308

SOPKO CATALOG NO.	FIG.	CAPACITY	SWING	A	B	C	D	E	F	G	H	I	J
01218*	1	1000 LBS.	20	12-7/16	9-7/8	20	12	3/4	3/16	3-1/4	10-3/8	-	-
01031	1	2000 LBS.	40	24	21-3/16	30	20-3/4	1	1/4	3-3/4	21	-	-
01400	1	2000 LBS.	60	32-5/16	29-1/2	30	26	1-1/4	1/4	3-3/4	30-1/2	-	-
01627	1	5000 LBS.	72	39	35-1/2	66	32	1-3/4	7/16	5	36	-	-
01934	1	10000 LBS.	96	51-7/8	47-7/8	88	40	2-5/16	13/16	5-5/8	48	-	-
01308	2	1000 LBS.	-	6-11/16	4-1/8	9	11	-	3/16	3-1/4	5-1/8	3-1/2	5-1/2
01148	2	2000 LBS.	-	7-5/16	4-1/2	10-1/2	12	-	1/4	3-3/4	5-5/8	4-1/2	6
01506	2	5000 LBS.	-	9-1/2	6	15	17	-	7/16	5	7	6	8
01706	2	10000 LBS.	-	10-1/2	6-1/2	16-1/2	19	-	13/16	5-5/8	8	6-1/2	9
01899	2	20000 LBS.	-	14	9	21-1/2	24	-	2	7-1/2	10	9-1/2	12

* Optional protective fitted plastic cover 00942 available.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Tool & Cutter Grinders
Manufactured by Jungner.

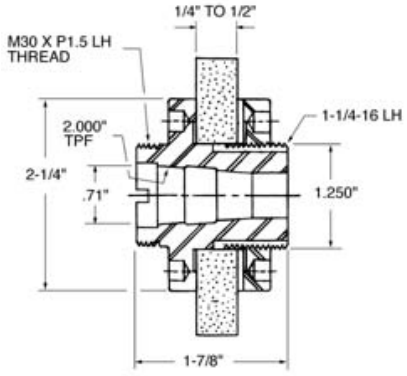
2.000" TPF WITH .71" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Jungner 450 CNC tool and cutter grinder adapter.

SOPKO CATALOG NO.

00690





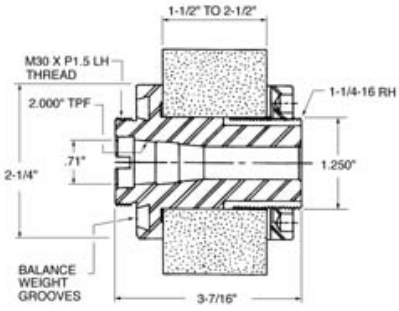
00690
(Taper Side)

Jungner 450 CNC tool and cutter grinder adapter is furnished with a three piece steel balancing weight set 00848.

SOPKO CATALOG NO.

50130





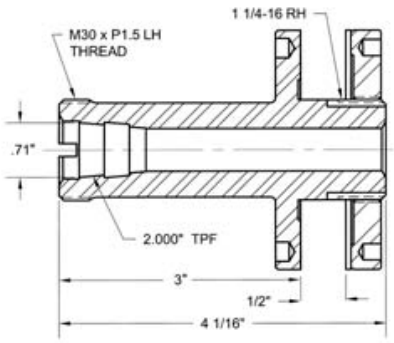
50130

Jungner 450 CNC tool and cutter grinder extended adapter.

SOPKO CATALOG NO.

50353





50353

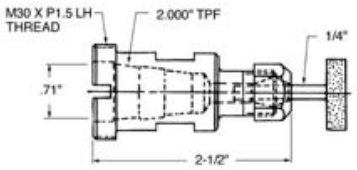
Jungner 450 CNC tool and cutter grinder collet chuck arbor.
Furnished with 4000 series nut and 1/4" collet.*

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A 13/16” wrench flat on the body makes installation and removal easy.

SOPKO CATALOG NO.
29911





* See page 97 for addtional 4000 series collets.

29911

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Flute Grinders Manufactured by Hertlein Special Tool Co., Mt. Vernon, NY.

3.000" TPF WITH 1.63" DIAMETER AT LARGE END OF TAPER.
FOR 12.000" ID WHEELS.

Starting with a precision ground internal taper, this Sopko bolt-on flange balancing adapter offers today’s Hertlein CO-100 grinding professional the best in quality features. Two precisely ground flanges provide identical load-bearing surfaces for reliable grinding wheel lock and to maximize spindle driving torque. Made from pre-hardened alloy steel and finished with black oxide, the adapter is furnished with a bronze balancing weight set 00849.



(Front Side)

50182

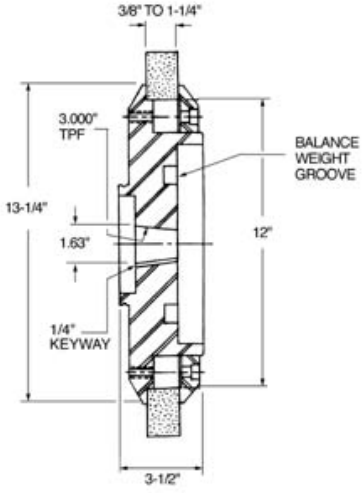


(Taper Side)

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01809



OPTIONAL SOCKET HEAD CAP SCREW SETS. *

WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
3/8 to 3/4	01809	3/8-16X1-3/4	8
1 to 1-1/4	01810	3/8-16X2-1/4	8

* Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

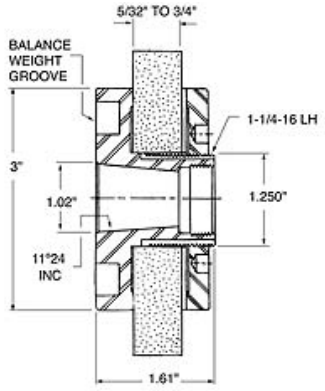
CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Kent and Norton Grinders.

11° 24' INC ANGLE TAPER AND 3.500" TPF WITH 1.02" AND 1.50" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 3.000" ID WHEELS.

The 05255 KENT BALANCING ADAPTER is furnished complete with a three piece bronze weight set 00835. Note*, some Kent grinders feature a 3.000" TPF with 1.00" diameter at the large end of taper.





SOPKO CATALOG NO.

05255

05255

*See standard taper (3.000" TPF) adapters on page 4 to 30.

The 00824 (WSG824) BALANCING ADAPTER FOR THE NORTON S-3 GRINDER will also fit the Worcester Surface Grinder and the Warner and Swasey 8x24 grinder. The adapter is furnished complete with a three

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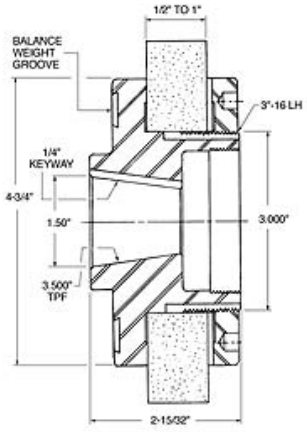
piece steel balancing weight set 00836.



(Front Side)



00824 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.
00824	WSG824

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Jones & Shipman Grinders.

15° INC ANGLE TAPER AND 3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

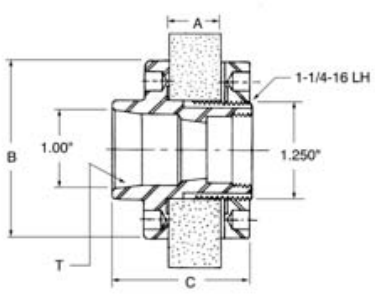
Jones & Shipman 540 and 1400 series surface grinder adapters feature a 15° INC** high quality PRECISION GROUND TAPER for exceptional spindle engagement. Added value is achieved with CONCENTRICALLY GROUND AND SQUARE SURFACES along with THREAD GROUND OD threads to optimize cutting conditions and prolong wheel life. All adapter hubs are CARBURIZED AND HARDENED for durability.



05314

SOPKO CATALOG NO.	DIMENSIONS A	B	C	T
50136	1/4 to 3/4	2-1/4	1-7/8	15° INC **
50137	1/4 to 1/2	2-1/4	1-3/4	15° INC **
50111	1/2	3	1-3/4	15° INC **
05314	1/4 to 1/2	2-1/4	1-3/4	3.000 *

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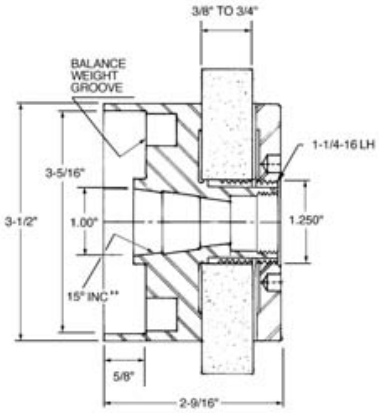


* Any 3.000" TPF, 1.00" LE adapter can be altered to taper length of 1-3/16".
** Europe and Canada only.

Now you can protect the wheelhead spindle from the harsh realities of heat, swarf, and high pressure coolants with these quality Jones & Shipman 540 and 1400 series shrouded adapters. From taper to finish Sopko has designed these shrouded adapters for performance with standard features like:

- High Quality Internal Tapers.
- Thread Ground OD threads.
- Heat Treated Component Parts.
- Concentric and Square Ground Surfaces.
- Black Oxide finish.





SOPKO CATALOG NO.	
00647†	
00907	**00647**

** Europe and Canada only.
† Includes three piece bronze balancing weight set 00861.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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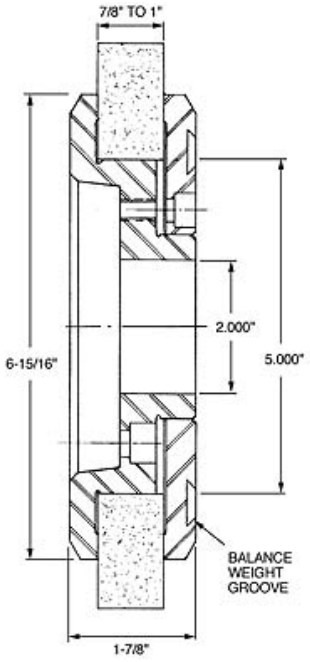
Wheel Adapters for Jones & Shipman Grinders.

FOR 13° 43’ 08” INC ANGLE TAPER* AND 2" STRAIGHT BORE WITH 1.605" DIAMETER AT LARGE END OF TAPER. FOR 5.000" ID WHEELS.

A tradition of quality manufacturing makes this Jones and Shipman series 1076 straight bore bolt-on flange balancing adapter an outstanding value. Two precison ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, the adapter is furnished with a three piece steel balancing weight set 00859, three 5/16-18RH x 1/2" SHCS 05941 flange bolts.

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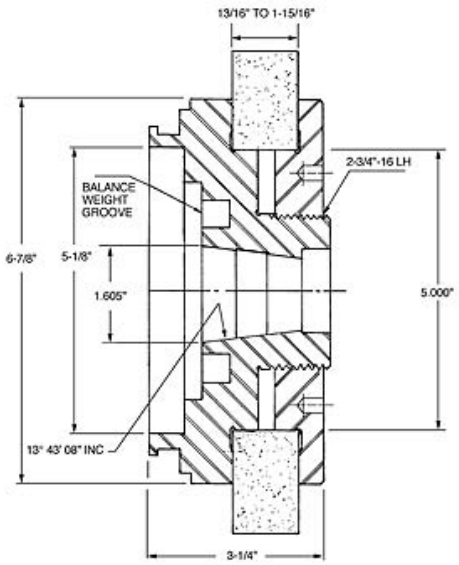
SOPKO CATALOG NO.

01195

01195
(Front Side)

This premium quality Jones & Shipman series 1310 universal cylindrical grinder balancing adapter features the highest quality 13° 43' 08" INC angle internal taper for precise spindle mounting and pre-heat treated hubs and nuts for strength and long life. Precision ground surfaces and thread ground threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes. Adapter furnished with three piece bronze balancing weight set 00861.





SOPKO CATALOG NO.

01836

01836
(Taper Side)

*Europe and Canada only.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Okamoto DX Series Grinders.

3.000" TPF AND 1:5 TAPER RATIO WITH 1.00" AND 1.75" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 5.000" ID WHEELS.

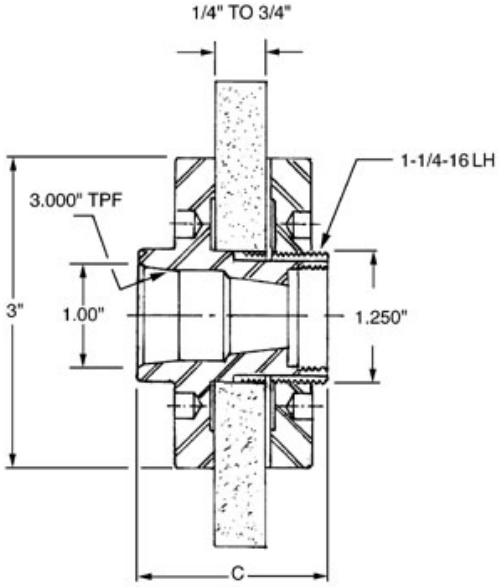
Standard adapter for 6.18DX and 8.20DX saddle type surface grinders.

SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS C
00129	A521	1-15/16
02681*	-	2-3/64

* Balancing style adapter includes weight set 00862.



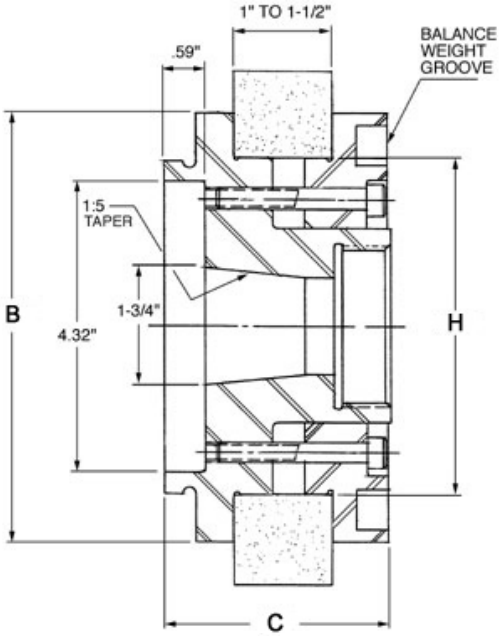
00129



Bolt-on flange balancing adapter for 12.24DX, 16.24DX, 16.32DX, 20.24DX, 20.36DX and 20.40DX saddle type surface grinders.



00636



SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS B	C	H
00908†	A621-3	5	3-1/4	3.000
00636**	A621-5	6-3/8	3-3/8	5.000

† Includes balancing weight set 00831 and 6 piece SHCS set 00614.
** Includes balancing weight set 00864 and 6 piece SHCS set 00614.



OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
00636	27MM to 38MM (1" to 1.50")	01834	5/16-18 X 2-1/4	6
00908	1"	00614	5/16-18 X 1-1/4	6
	1-1/2"	00615	5/16-18 X 1-1/2	6

** Includes balancing weight set 00864.

Select proper length screw sets from tabulation to lock specific grinding wheel widths.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Pope Style Wheel Adapters.*

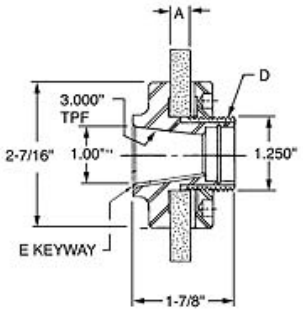
3.000” TPF and 4.500” TPF WITH 1.00" AND .87" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Balancing, non-balancing, and shrouded type adapters are available for Pope Precision spindles. Made from 32 Rc alloy steel, these Pope style adapters feature concentric and square ground surfaces for optimum surface finishes. Thread ground OD threads assure safe, square wheel locking conditions and precisely ground internal tapers offer reliable spindle engagement.

SOPKO CATALOG NO.	POPE PART NO.	DIMENSIONS		
		A	D	E
00534	WS-100-1	1/4 to 3/4	1-1/4-16LH	-
00535	WS-100-2	1/4 to 3/4	1-1/4-16RH	-
00536	-	1/4 to 3/4	1-1/4-16LH	3/16
00537	-	1/4 to 3/4	1-1/4-16RH	3/16



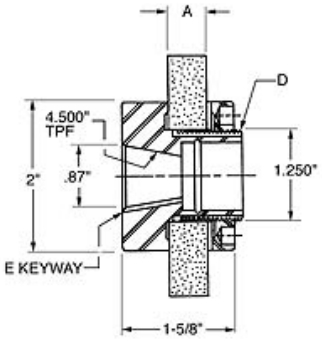
00534



SOPKO CATALOG NO.	DIMENSIONS		
	A	D	E
00529	1/8 to 5/8	1-1/4-16LH	3/16
00530	1/8 to 5/8	1-1/4-16RH	3/16
00531	1/4 to 5/8	1-1/4-16RH	1/8
00532	1/8 to 5/8	1-1/4-16LH	-
00533	1/8 to 5/8	1-1/4-16RH	-



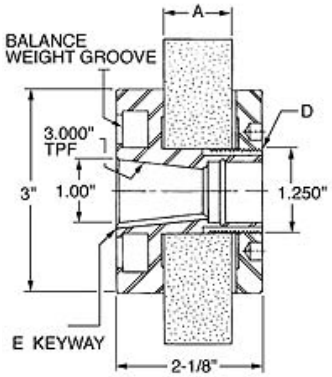
00529



SOPKO CATALOG NO.	POPE PART NO.	DIMENSIONS		
		A	D	E
00542	WS-330-1	1/4 to 1	1-1/4-16LH	-
00543	WS-330-2	3/4 to 1	1-1/4-16RH	-
00544	-	3/4 to 1	1-1/4-16LH	3/16
00545	-	3/4 to 1	1-1/4-16RH	3/16
00827	Set of three hex weights for 00542, 00543, 00544, and 00545 balancing adapters.			



00542



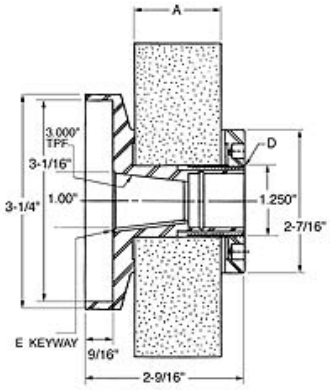
SOPKO CATALOG NO.	DIMENSIONS		
	A	D	E

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00546	5/8 to 1-1/4	1-1/4-16RH	1/8
00538	5/8 to 1-1/4	1-1/4-16LH	3/16
00539	5/8 to 1-1/4	1-1/4-16RH	3/16
00540	5/8 to 1-1/4	1-1/4-16LH	-
00541	5/8 to 1-1/4	1-1/4-16RH	-

* Lock ring 04278 is not included with any adapter listed on this page.





00538

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.25” AND 1.50" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000”, AND 5.000” ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01312
(Front Side)



01316
(Taper Side)

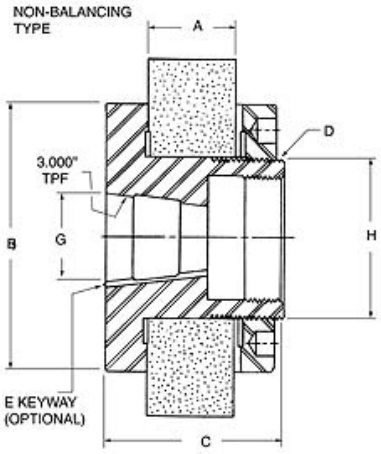


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
01312	1	5/8 to 1	3-1/2	2	2-18RH	1/4	1.25	2.000
01313	2	1/2 to 1	4-1/4	2-5/8	2-16RH	1/4	1.25	2.000
01316	2	1/2 to 1	4-1/4	2-3/4	3-16RH	1/4	1.25	3.000
01317	2	1/2 to 1	4-1/4	2-3/4	3-16LH	1/4	1.25	3.000
01318	2	3/4 to 2	5	3-3/8	3-16LH	-	1.50	3.000
01319	2	3/4 to 2	5	3-3/8	3-16RH	-	1.50	3.000
01320	2	1	6	3-3/8	4-16LH	-	1.50	4.000
01321	2	1	6	3-3/8	4-16RH	-	1.50	4.000
01322	2	3/4 to 2	7	3-3/8	5-16LH	-	1.50	5.000
01323	2	3/4 to 2	7	3-3/8	5-16RH	-	1.50	5.000

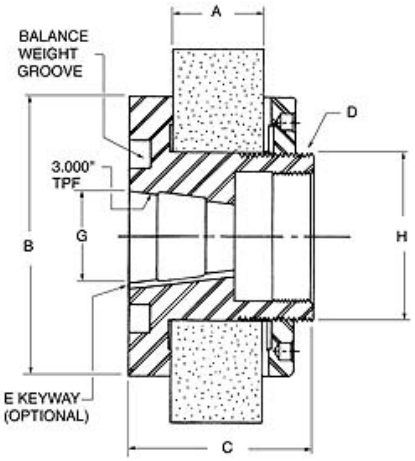


FIG. 2

00838	Three piece bronze balancing weight set for 01318, 01319, 01320, 01321, 01322, 01323
00830	Three piece bronze balancing weight set for 01312, 01316, 01317.

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00832 Three piece bronze balancing weight set for 01313.



00830

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000", AND 5.000" ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01337

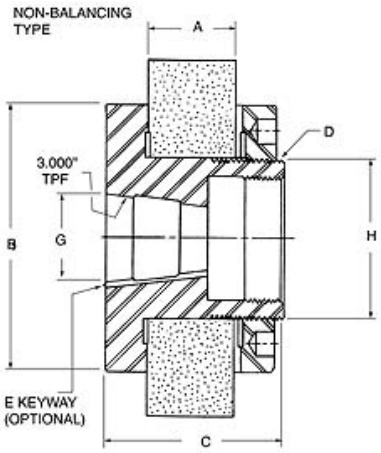


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
50328	2	1 to 1-1/2	5	3-1/4	3-16LH	1/4	1.62	3.000
01330	2	1-1/4 to 2	5	3-9/16	3-16LH	1/4	1.62	3.000
01324	2	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01325	1	1-1/4 to 2	5	3-9/16	2-16LH	1/4	1.62	2.000
01326	1	1-1/4 to 2	5	3-3/8	3-16RH	1/4	1.62	3.000
01327	2	3/4 to 2	5	3-3/8	3-16LH	-	1.62	3.000
01328	2	3/4 to 2	5	3-3/8	3-16RH	-	1.62	3.000
01329	1	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01332 *	2	1-1/4 to 2	7	3-9/16	3-16LH	1/4	1.62	3.000
01331 *	2	1-1/4 to 2	7	3-9/16	3-16RH	1/4	1.62	3.000
01333	2	3/4 to 2	6	3-3/8	4-16LH	-	1.62	4.000
01334	2	3/4 to 2	6	3-3/8	4-16RH	-	1.62	4.000
01335	2	3/4 to 2	7	3-3/8	5-16LH	-	1.62	5.000
01336	2	3/4 to 2	7	3-3/8	5-16RH	-	1.62	5.000
01337	2	1 to 2-1/2	5	4-1/4	3-16RH	1/4	2.25	3.000
01338	2	1 to 2-1/2	5	4-1/4	3-16LH	1/4	2.25	3.000
01339 *	2	1 to 2-1/2	7	4-1/4	3-16RH	1/4	2.25	3.000

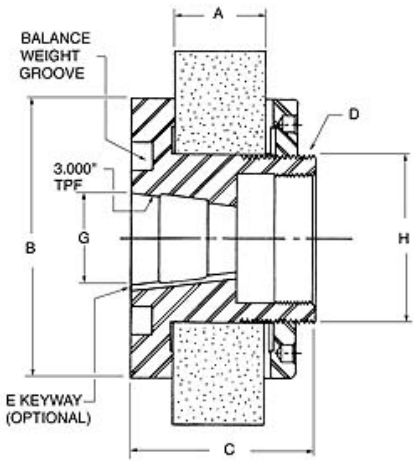


FIG. 2

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01340 *	2	1 to 2-1/2	7	4-1/4	3-16LH	1/4	2.25	3.000



00831

00831	Three piece bronze balancing weight set for 01324, 01330, 01331, 01332, 01337, 01338, 01339, 01340.
00834	Three piece bronze balancing weight set for 01326.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* 5" diameter nut.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000” TPF WITH 1.62” AND 2.25” DIAMETER AT LARGE END OF TAPER.
FOR 5.000” AND 8.000” ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use.



01342

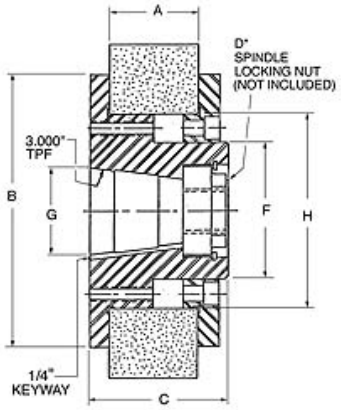


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS							SNAP RING
		A	B	C	D*	F	G	H	
01341	1	3/4 to 1-1/2	7	2-9/16	3/4-16	3-1/2	1.62	5.000	04248
01357	1	1 to 2-1/2	7	3-9/16	1-1/8-12	3-1/2	2.25	5.000	04358
01342	2	3/4 to 1-3/4	7	2-13/16	3/4-16	3-5/8	1.62	5.000	01830
01343	2	1 to 2-1/2	7	3-9/16	1-1/8-12	3-5/8	2.25	5.000	01830
01344	2	1-3/4 to 3	10	4-1/16	1-1/8-12	4	2.25	8.000	01830

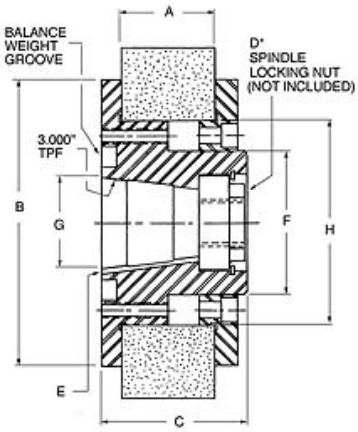


FIG. 2

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01341	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4

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	3/4 to 1	01795	3/8-16X1-1/4	4
01342	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
	1-1/2 to 1-3/4	01797	3/8-16X2-1/4	4
	1 to 1-1/2	01798	3/8-16X1-1/2	4
01343	1-3/4 to 2	01797	3/8-16X2-1/4	4
01357	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	1-3/4 to 2	01797	3/8-16X2-1/4	4
01344	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	2-3/4 to 3	01800	3/8-16X3-1/4	4



01797

00828	Three piece bronze balancing weight set for 01342 and 01343.
00826	Three piece bronze balancing weight set for 01344.



00828

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 3.000" AND 5.000" ID WHEELS.



01353 (Front Side)



01351 (Taper Side)

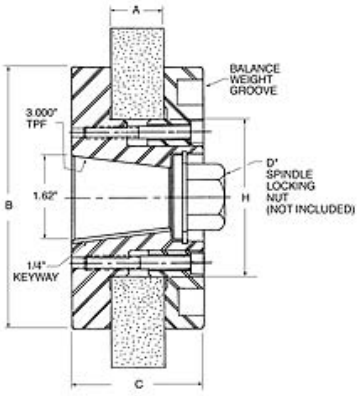


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS			
		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

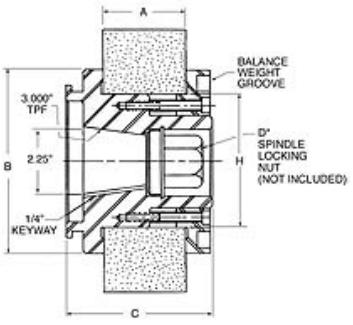


FIG. 2

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OPTIONAL SOCKET HEAD CAP SCREW SETS.

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.
00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

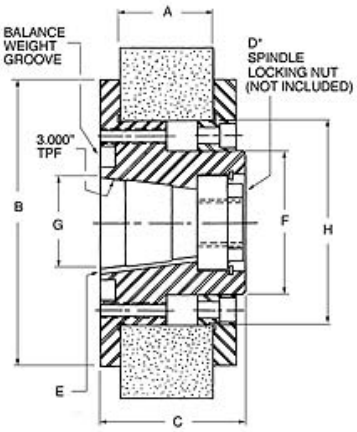
Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000" TPF WITH 2.62", 3.00" AND 3.75" DIAMETER AT LARGE END OF TAPER.
FOR 5.000", 8.000" AND 12.000" ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use. And of course, the high quality internal taper is unsurpassed for precision spindle mounting.



01345



SOPKO CATALOG NO.	DIMENSIONS								SNAP RING
	A	B	C	D*	E	F	G	H	
01345	1-1/2 to 2-3/4	7	4-3/16	1-1/2-12	1/4	3-5/8	2.62	5.000	01830
01346	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	2.62	12.000	01830

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01347	1-3/4 to 3	7	4-11/16	1-1/2-12	1/4	3-5/8	3.00	5.000	01830
01348	1-3/4 to 3	10	4-5/16	1-1/2-12	1/4	5-1/2	3.00	8.000	01830
01349	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	3.00	12.000	01830
01350	2-1/4 to 4	10	5-1/2	2-1/4-12	3/8	5-1/2	3.75	8.000	04331



01801

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01345	1-1/2 to 2	01801	3/8-16X2-1/2	4
	2-1/4 to 2-3/4	01800	3/8-16X3-1/4	4
01346	1-3/4 to 2-1/4	01811	3/8-16X3	6
01347	2-1/2 to 3	01802	3/8-16X3-1/2	4
01349	6			
01348	1-3/4 to 2-1/4	01803	1/2-13X3	6
	2-1/2 to 3	01804	1/2-13X3-1/2	6
	2-1/4 to 2-3/4	01805	1/2-13X2-1/2	6
01350	3 to 3-1/2	01806	1/2-13X3-1/4	6
	4	01807	1/2-13X4	6



00829

00829	Three piece bronze balancing weight set for 01346 and 01349.
00826	Three piece bronze balancing weight set for 01345, 01347, 01348, and 01350.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Heald Sleeve Style Internal Grinding Spindles.

2.000" TPF AND 3.000" TPF WITH .60", .93", 1.25", 1.63", 2.00", AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 0.875", 1.250", 1.500", 2.500", 2.750", AND 3.000" ID WHEELS.



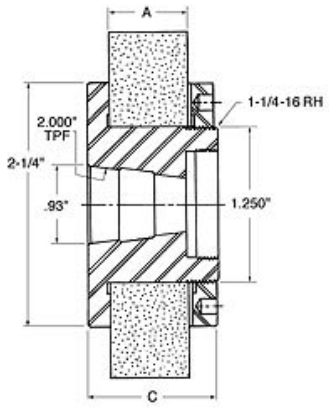
00653



00654

SOPKO CATALOG NO.	HEALD PART NO.	DIMENSIONS	WHEEL HEAD SERIES

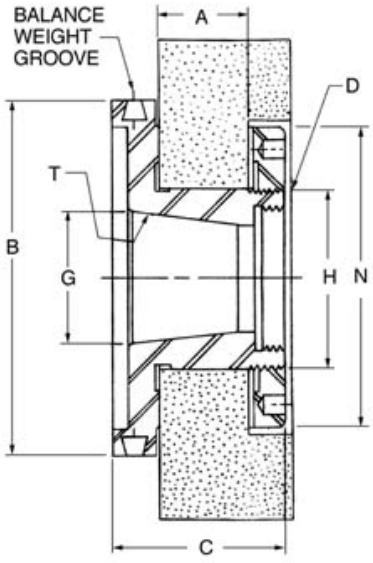
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		A	C	
00653	H405-500	1/2	1-11/16	405
00654	H405-1000	1	2-3/16	405



50065



SOPKO CATALOG NO.	HEALD PART NO.	DIMENSIONS							WHEEL HEAD T	WHEEL HEAD SERIES
		A	B	C	D	G	H	N		
00655	7-4946A	1-1/4	2	2-1/8	7/8-16RH	.60	0.875	1-5/8	2.000 TPF	403
00657	7-7757A	1	2-1/2	1-11/16	1-1/2-16RH	.93	1.500	2-1/2	2.000 TPF	405
00656	7-4927A	1	2-5/8	1-15/16	1-1/2-16RH	.93	1.500	2-5/8	2.000 TPF	405
00658	7-4908A	1-1/4	3-3/8	2-1/4	2-16RH	1.25	2.500	3-3/8	3.000 TPF	407
00659	7-4935A	1-1/4	3-7/8	2	2-1/8-16RH	1.63	2.500	3-7/8	3.000 TPF	409
00660	7-5025A	1	5-1/8	1-7/8	2-3/4-16RH	2.00	2.750	5-1/8	3.000 TPF	411
50065 *	7-5022A	1-1/2	6	2-3/4	3-16RH	2.25	3.000	4-7/8	3.000 TPF	413

00841	Three piece steel weight set for 00655.	00845	Three piece steel weight set for 00659.
00842	Three piece steel weight set for 00656.	00846	Three piece steel weight set for 00660.
00843	Three piece steel weight set for 00657.	00847	Three piece steel weight set for 50065.
00844	Three piece steel weight set for 00658.		



00847

All balancing style adapters include the three piece steel balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 82 for adapter puller.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Sopko High Speed Attachment.

INCREASE THE USE OF YOUR SURFACE GRINDER.
USED ON HARIG, REID, K.O. LEE, PARKER MAJESTIC, AND MANY MORE.



08000

08000 Used to finish radii on dies or other parts requiring small contour grinding, this unit is perfect for the tool room, job shop, or any number of occasional use applications. Designed for long life and heavy use, the Sopko High Speed Attachment kit increases the productivity of your surface grinder. When attached, it's like having an extra machine in the shop at only a fraction of the cost. The center distance between the surface grinder spindle and the attachment spindle is held to a minimum with our latest bracket design. The attachment spindle is shorter in length than competitive units, allowing maximum over-table use horizontally or vertically. The High Speed Attachment is furnished as a complete kit including all standard items listed below. Unit net weight 30.1 LB. Shipping weight 34 LB.



Standard unit includes:

08001	Bracket.
08002	3" Diameter eccentric bushing for Harig, Reid No. 2, K.O. Lee, Parker Majestic, Hammond No. 2, and others with 3" diameter spindles.
08003	17,500 RPM grease lubricated spindle with 1-3/16" diameter pulley.
08004	5-9/16" Diameter flat belt pulley.
00200	(200-1) Adapter. Pulley is mounted on the adapter and balanced.
10197	5/8" X 20-1/4" Sopko flat belt (2 pcs).
00630	(630) 11/16" Open end wrench for series 4000 collet chuck nut.
00631	(603A) 5/8" Open end wrench for collet chuck quill wrench flat.
00640	(604A) 3/4" Open end wrench for end of spindle.
08005	1/8" Short arm hex wrench.
08006	1/4" Short arm hex wrench.
35135	Spanner-socket wrench.
08007	Wooden storage box.

Maintain safe speeds, refer to grinding wheel manufacturers' instructions and ANSI B7.1 or DIN 69170 safety standards.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Tools and Accessories for Wheel Adapters.

FLOATING NUT SPACERS, BOLTS, RINGS, STUDS, AND SET SCREWS.

00662 (FN-1) Floating nut spacer. 11/16" ID hex. Black oxide finish. For standard taper collet chuck extension adapters, long and short IDWEs, male extensions, and older style Cincinnati collet chuck extensions.



00663 (ENFN-1) Same as 00662 above but Electroless Nickel finish.



01244 (FN-2) Floating bolt spacer for new style Cincinnati collet chuck extension adapter 00679 (C200-CCEA-KW). 3/8" bore. Black oxide finish.



01025 (FN-B) 3/8-16RH bolt for new style Cincinnati collet chuck extension adapter 00679 (C200-CCEA-KW). 1-1/4" long, 5/16" hex socket. Black oxide finish.



14362 (143627) 3/8-16RH spindle mounting bolt for new style Cincinnati adapters with 1/8" keyway in taper. 1-1/4" long, 5/16" hex, flanged head. Black oxide finish.



15671 (156171) 3/8-16RH flanged spindle mounting bolt for short new style Cincinnati extension 56172 (156172RH) with 1/8" keyway in taper. 3-1/4" OAL, 5/16" hex. Black oxide finish.



15674 (156174) 3/8-16RH flanged spindle mounting bolt for long new style Cincinnati extension 56173 (156173RH) with 1/8" keyway in taper. 5-1/4" OAL, 5/16" hex. Black oxide finish.



04249 3/8-16RH flanged spindle mounting bolt for conversion style Cincinnati adapter 50081,

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2-7/8" OAL, 5/16" hex socket. Black oxide finish.



01829 This Cincinnati conversion stud allows use of “old style” adapters on new style spindles. 1/2-13RH thread, .69” long steps to 3/8-16RH thread, .81” long. 1-1/2” OAL.
3/16” hex socket on both ends.



04269 Series 4000 retaining ring for new style Cincinnati adapters.



04278 #29 music wire lock ring to hold spindle nuts in Pope style adapters.



00825 Cup-Point 3/8-24 alloy socket set screws for Pope balancing weights.



00939 #10-32 nylon-tipped socket set screw for BR1 balancing rings, 00186 and 00187 nuts.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Sopko Mounting Brackets for any 3” Diameter Cartridge Spindles.

DESIGNED FOR HEALD MACHINE MODELS 70, 70A, 72, 72A, 75, 75A, AND 271, 272, 273A, 274, 275, 276, 280, 280A, 281, 290, 290A, 291, 170A, 180A, AND 190A.
Fits Okamoto IGM-2M and IGM-15CNC.

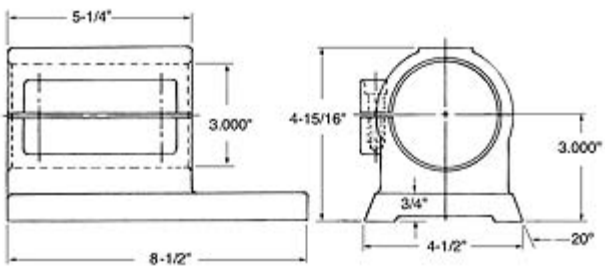
Sopko Mounting Brackets are made of aged cast iron to provide an anchor-like support for any 3" diameter cartridge spindle. Rigid by design, Sopko brackets feature a large surface area base plate for solid member contact. The accurately machined dovetail base provides positive alignment, easy positioning, and secure clamping for operator safety. A two bolt quick mount/dismount system keeps any spindle parallel to the mounting base during operation. The mounting bore is precisely finished for uniform clamping contact across the full diameter of the spindle for vibration-free operation.

01246 (HC30) MOUNTING BRACKET

Fits Heald machine models 70, 70A, 72, 72A, and 75A requiring a 3" center line distance from the base. Unit weight 14.15 lbs.



01246

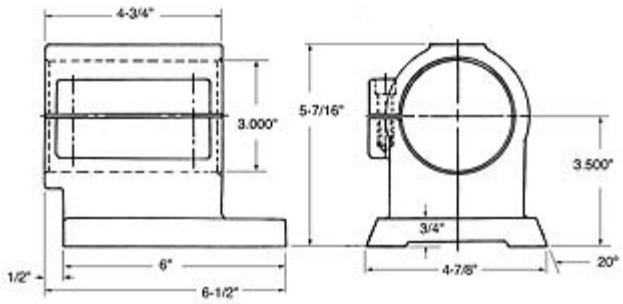


01178 (HC35) MOUNTING BRACKET

Fits Heald machine models 271, 272, 273A, 274, 275, 276, 280, 280A, 281, 290, 291, 170A, 180A, 280A, 281, 290, 291, 170A, 180A, and 190A requiring a 3-1/2" center line distance from the base. Unit weight 13 lbs. Fits Okamoto IGM-2M and IGM-15CNC machine models.



01178



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Optional Accessories for Sopko High Speed Attachment.

The Sopko High Speed Attachment provides higher speeds than would ordinarily be obtained with other spindles. Capable of being mounted in any position about its axis, the unit attaches quickly and easily to the spindle housing and is held securely by two clamping screws. The drive pulley assembly is mounted and balanced on a wheel adapter 00200. Made from quality alloy steel, heat treated for strength, and precisely ground to maximize surface contact, the variety of eccentric bushings increases the unit's versatility. And Sopko quality does not stop with the High Speed Attachment, it extends right into the most varied selection of grinding quills available anywhere.



29707



29709



Jarno taper quill extensions available.*
Ask for brochure No. 49948.



08010

Optional accessories:*
29707 625 Jarno LH collet chuck quill furnished with 4000 series nut, 1/8", and 1/4" collets.
29709 625 Jarno LH collet chuck quill furnished with 5000 series collet nut only.
08010 3-1/8" Eccentric bushing for Boyar-Schultz No. 6 x 12.
08009 3-1/4" Eccentric bushing for Brown & Sharpe No. 2.
08011 80MM Eccentric bushing.

Maintain safe speeds, refer to grinding wheel manufacturers' instructions and ANSI B7.1 or DIN 69170 safety standards.
See page 97 for series 4000 and 5000 collets (specify size).
*Grinding wheel not included.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

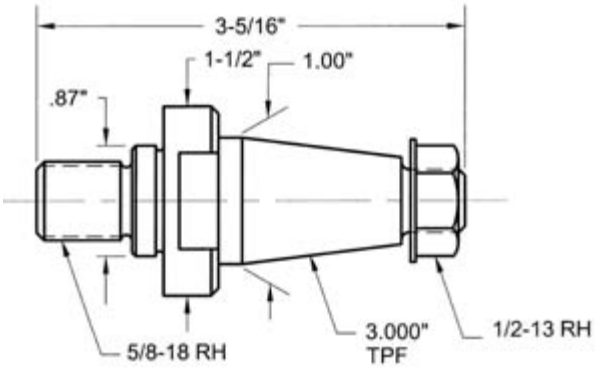
CAUTION!
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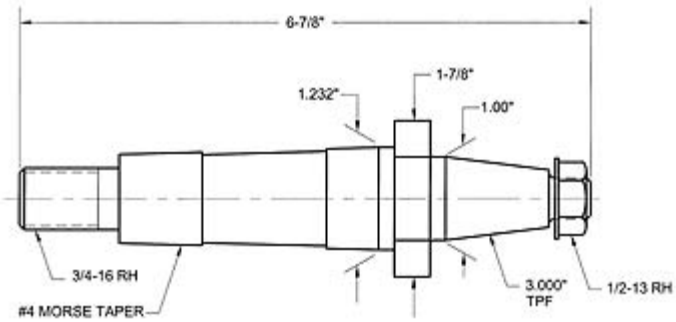
Spindle Conversion Quills.

The innovative Double-Taper Conversion Quill design offers the convenience and flexibility of using internal grinding spindles for external grinding applications. What a great tool to increase productivity and eliminate the cost and delay of making a special adapter! Sopko provides Double-Taper Quills to convert a wide variety of spindle types for use with Sopko standard adapters having a 3.000" TPF with 1.00" LE. Featuring two precision ground tapers for reliable spindle and adapter mounting, Sopko conversion quills are made from quality alloy steel, then heat treated for strength, long-life, and rigidity. Diameters and threads are ground for concentricity and squareness to optimize grinding conditions.

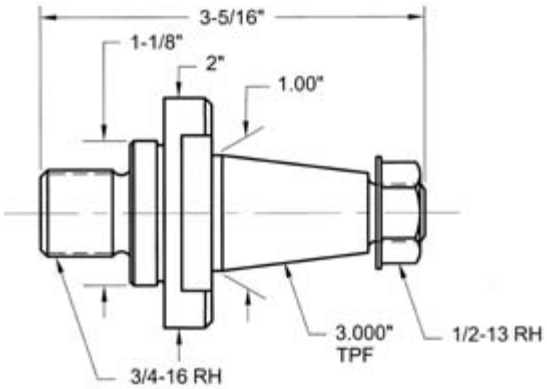
01450 Converts Heald 7-187 Straight Shank to 3" TPF, 1" LE



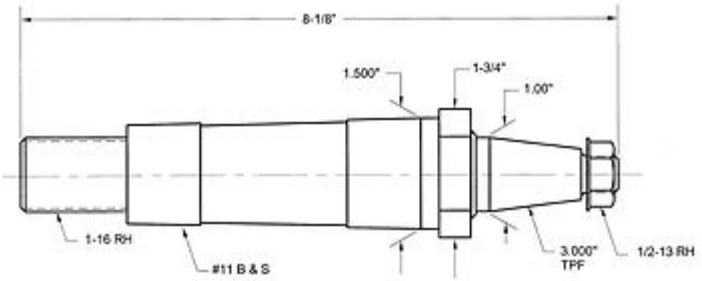
31019 Converts Heald #49 Taper to 3" TPF, 1" LE



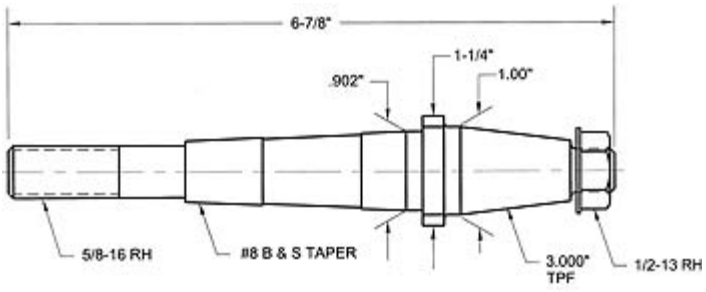
01381 Converts Heald 9-189 Straight Shank to 3" TPF, 1" LE



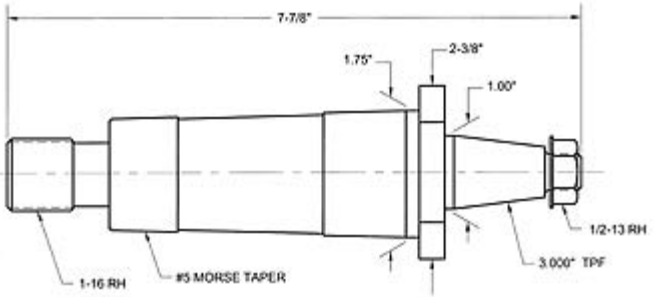
40019 Converts Heald #51 Taper to 3" TPF, 1" LE



31018 Converts Heald #47 Taper to 3" TPF, 1" LE



01226 Converts Heald #53 Taper to 3" TPF, 1" LE



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

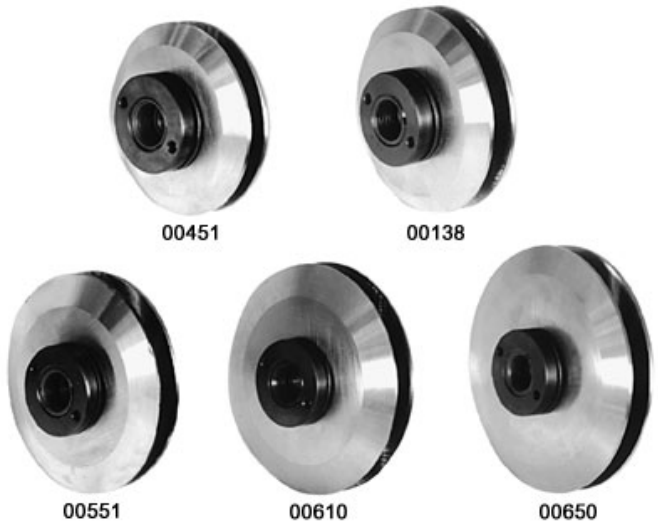
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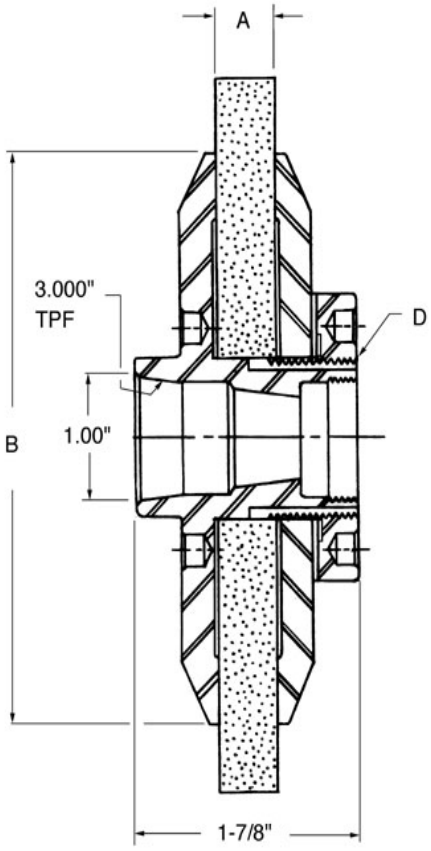
Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. DESIGNED FOR THIN CUT-OFF WHEELS AND DIAMOND WHEELS.

Sopko flanged adapters are machined from alloy steel. The resulting one piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design, and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.





SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00451	4.5-1	0 to 1/2	4-1/2	1-1/4-16LH
00452	4.5-2	0 to 1/2	4-1/2	1-1/4-16RH
00138	5.0-1	0 to 1/2	5	1-1/4-16LH
00139	5.0-2	0 to 1/2	5	1-1/4-16RH
00551	5.5-1	0 to 1/2	5-1/2	1-1/4-16LH
00552	5.5-2	0 to 1/2	5-1/2	1-1/4-16RH
00610	6.0-1	0 to 1/2	6	1-1/4-16LH
00612	6.0-2	0 to 1/2	6	1-1/4-16RH
00650	6.5-1	0 to 1/2	6-1/2	1-1/4-16LH
00652	6.5-2	0 to 1/2	6-1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

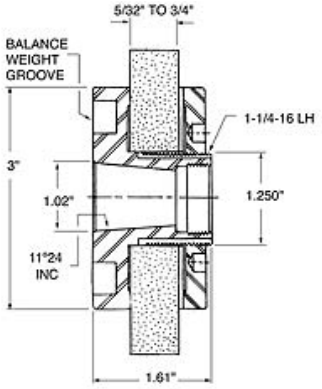
Wheel Adapters for Kent and Norton Grinders.

11° 24' INC ANGLE TAPER AND 3.500" TPF WITH 1.02" AND 1.50" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 3.000" ID WHEELS.

The 05255 KENT BALANCING ADAPTER is furnished complete with a three piece bronze weight set 00835. Note*, some Kent grinders feature a 3.000" TPF with 1.00" diameter at the large end of taper.

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SOPKO CATALOG NO.
05255

05255

*See standard taper (3.000" TPF) adapters on page 4 to 30.

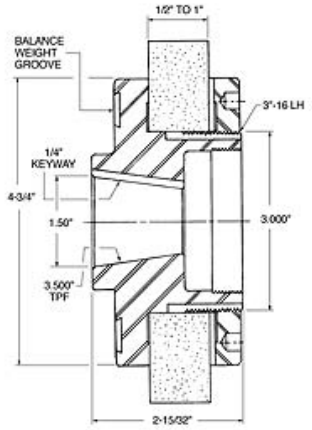
The 00824 (WSG824) BALANCING ADAPTER FOR THE NORTON S-3 GRINDER will also fit the Worcester Surface Grinder and the Warner and Swasey 8x24 grinder. The adapter is furnished complete with a three piece steel balancing weight set 00836.



(Front Side)



00824



(Taper Side)

SOPKO CATALOG NO.	SOPKO PART NO.
00824	WSG824

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Jones & Shipman Grinders.

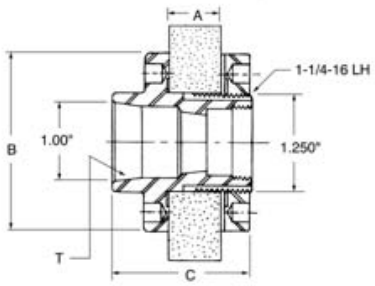
15° INC ANGLE TAPER AND 3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Jones & Shipman 540 and 1400 series surface grinder adapters feature a 15° INC** high quality PRECISION GROUND TAPER for exceptional spindle engagement. Added value is achieved with CONCENTRICALLY GROUND AND SQUARE SURFACES along with THREAD GROUND OD threads to optimize cutting conditions and prolong wheel life. All adapter hubs are CARBURIZED AND HARDENED for durability.



05314

SOPKO CATALOG NO.	DIMENSIONS			
	A	B	C	T
50136	1/4 to 3/4	2-1/4	1-7/8	15° INC **
50137	1/4 to 1/2	2-1/4	1-3/4	15° INC **
50111	1/2	3	1-3/4	15° INC **
05314	1/4 to 1/2	2-1/4	1-3/4	3.000 *

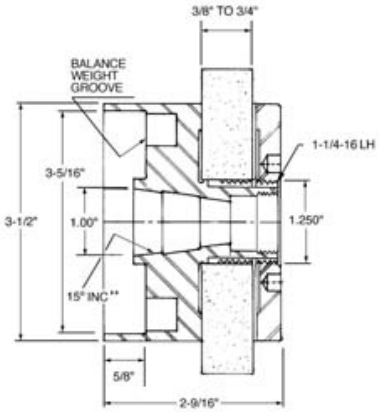


* Any 3.000" TPF, 1.00" LE adapter can be altered to taper length of 1-3/16".
** Europe and Canada only.

Now you can protect the wheelhead spindle from the harsh realities of heat, swarf, and high pressure coolants with these quality Jones & Shipman 540 and 1400 series shrouded adapters. From taper to finish Sopko has designed these shrouded adapters for performance with standard features like:

- High Quality Internal Tapers.
- Thread Ground OD threads.
- Heat Treated Component Parts.
- Concentric and Square Ground Surfaces.
- Black Oxide finish.





SOPKO CATALOG NO.
00647†
00907

00647

** Europe and Canada only.
† Includes three piece bronze balancing weight set 00861.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

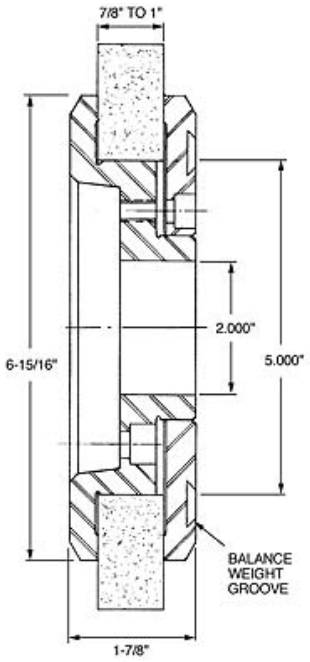
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Wheel Adapters for Jones & Shipman Grinders.

FOR 13° 43’ 08” INC ANGLE TAPER* AND 2" STRAIGHT BORE WITH 1.605" DIAMETER AT LARGE END OF TAPER. FOR 5.000" ID WHEELS.

A tradition of quality manufacturing makes this Jones and Shipman series 1076 straight bore bolt-on flange balancing adapter an outstanding value. Two precison ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, the adapter is furnished with a three piece steel balancing weight set 00859, three 5/16-18RH x 1/2" SHCS 05941 flange bolts.

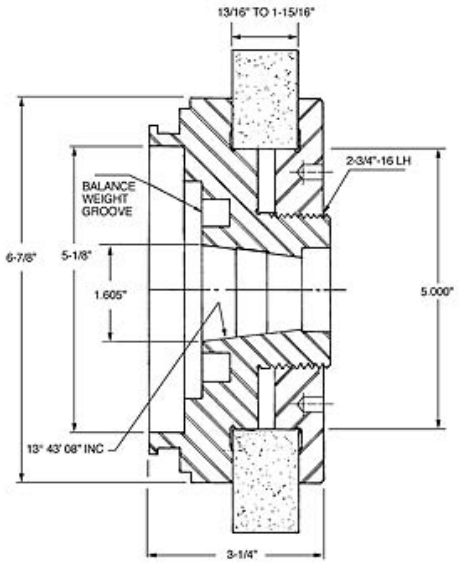




SOPKO CATALOG NO.
01195

01195
(Front Side)

This premium quality Jones & Shipman series 1310 universal cylindrical grinder balancing adapter features the highest quality 13° 43’ 08” INC angle internal taper for precise spindle mounting and pre-heat treated hubs and nuts for strength and long life. Precision ground surfaces and thread ground threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes. Adapter furnished with three piece bronze balancing weight set 00861.



SOPKO CATALOG NO.

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01836

01836
(Taper Side)

*Europe and Canada only.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Wheel Adapters for Okamoto DX Series Grinders.

3.000" TPF AND 1:5 TAPER RATIO WITH 1.00" AND 1.75" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 5.000" ID WHEELS.

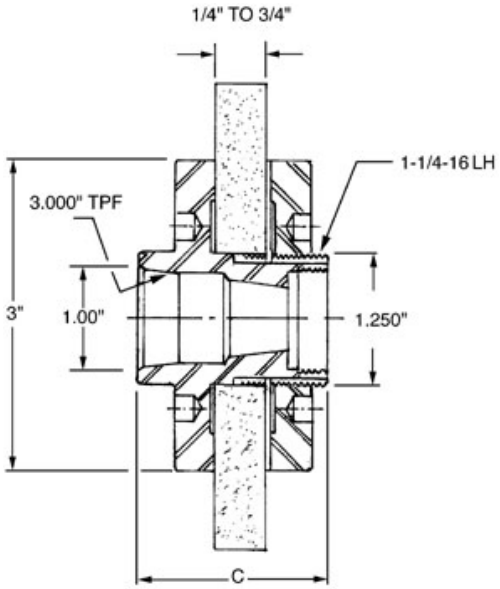
Standard adapter for 6.18DX and 8.20DX saddle type surface grinders.

SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS C
00129	A521	1-15/16
02681*	-	2-3/64

* Balancing style adapter includes weight set 00862.



00129

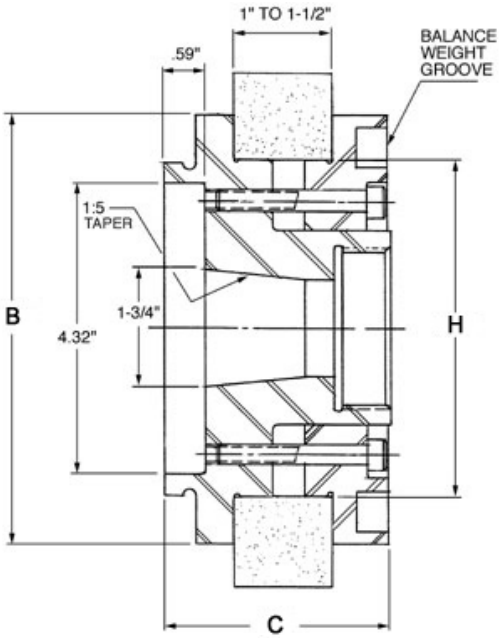


Bolt-on flange balancing adapter for 12.24DX, 16.24DX, 16.32DX, 20.24DX, 20.36DX and 20.40DX saddle type surface grinders.

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00636



SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS B	C	H
00908†	A621-3	5	3-1/4	3.000
00636**	A621-5	6-3/8	3-3/8	5.000

† Includes balancing weight set 00831 and 6 piece SHCS set 00614.
** Includes balancing weight set 00864 and 6 piece SHCS set 00614.

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
00636	27MM to 38MM (1" to 1.50")	01834	5/16-18 X 2-1/4	6
00908	1"	00614	5/16-18 X 1-1/4	6
	1-1/2"	00615	5/16-18 X 1-1/2	6

** Includes balancing weight set 00864.

Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.25” AND 1.50" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000”, AND 5.000” ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.

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01312
(Front Side)



01316
(Taper Side)

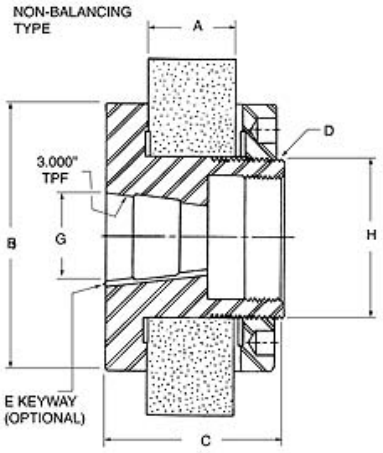


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
01312	1	5/8 to 1	3-1/2	2	2-18RH	1/4	1.25	2.000
01313	2	1/2 to 1	4-1/4	2-5/8	2-16RH	1/4	1.25	2.000
01316	2	1/2 to 1	4-1/4	2-3/4	3-16RH	1/4	1.25	3.000
01317	2	1/2 to 1	4-1/4	2-3/4	3-16LH	1/4	1.25	3.000
01318	2	3/4 to 2	5	3-3/8	3-16LH	-	1.50	3.000
01319	2	3/4 to 2	5	3-3/8	3-16RH	-	1.50	3.000
01320	2	1	6	3-3/8	4-16LH	-	1.50	4.000
01321	2	1	6	3-3/8	4-16RH	-	1.50	4.000
01322	2	3/4 to 2	7	3-3/8	5-16LH	-	1.50	5.000
01323	2	3/4 to 2	7	3-3/8	5-16RH	-	1.50	5.000

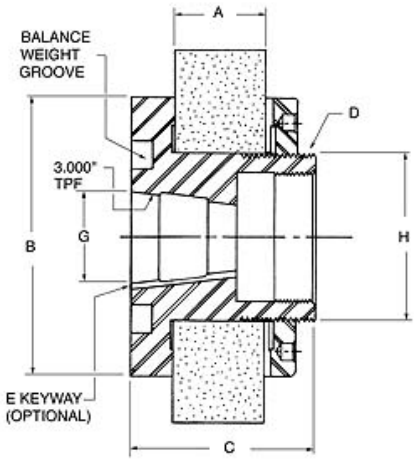


FIG. 2

00838	Three piece bronze balancing weight set for 01318, 01319, 01320, 01321, 01322, 01323
00830	Three piece bronze balancing weight set for 01312, 01316, 01317.
00832	Three piece bronze balancing weight set for 01313.



00830

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000", AND 5.000" ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.

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01337

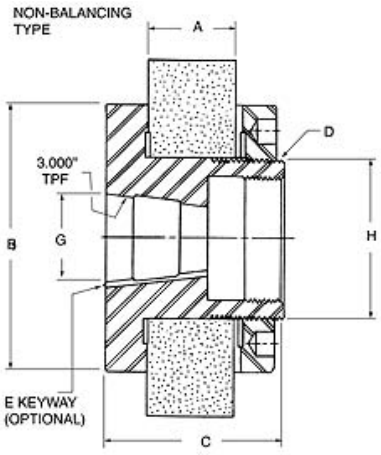


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
50328	2	1 to 1-1/2	5	3-1/4	3-16LH	1/4	1.62	3.000
01330	2	1-1/4 to 2	5	3-9/16	3-16LH	1/4	1.62	3.000
01324	2	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01325	1	1-1/4 to 2	5	3-9/16	2-16LH	1/4	1.62	2.000
01326	1	1-1/4 to 2	5	3-3/8	3-16RH	1/4	1.62	3.000
01327	2	3/4 to 2	5	3-3/8	3-16LH	-	1.62	3.000
01328	2	3/4 to 2	5	3-3/8	3-16RH	-	1.62	3.000
01329	1	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01332 *	2	1-1/4 to 2	7	3-9/16	3-16LH	1/4	1.62	3.000
01331 *	2	1-1/4 to 2	7	3-9/16	3-16RH	1/4	1.62	3.000
01333	2	3/4 to 2	6	3-3/8	4-16LH	-	1.62	4.000
01334	2	3/4 to 2	6	3-3/8	4-16RH	-	1.62	4.000
01335	2	3/4 to 2	7	3-3/8	5-16LH	-	1.62	5.000
01336	2	3/4 to 2	7	3-3/8	5-16RH	-	1.62	5.000
01337	2	1 to 2-1/2	5	4-1/4	3-16RH	1/4	2.25	3.000
01338	2	1 to 2-1/2	5	4-1/4	3-16LH	1/4	2.25	3.000
01339 *	2	1 to 2-1/2	7	4-1/4	3-16RH	1/4	2.25	3.000
01340 *	2	1 to 2-1/2	7	4-1/4	3-16LH	1/4	2.25	3.000

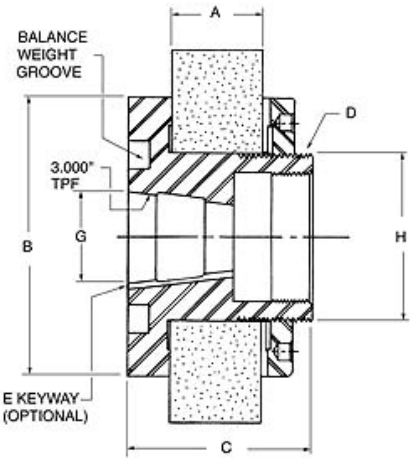


FIG. 2

00831	Three piece bronze balancing weight set for 01324, 01330, 01331, 01332, 01337, 01338, 01339, 01340.
00834	Three piece bronze balancing weight set for 01326.



00831

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* 5" diameter nut.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000” TPF WITH 1.62” AND 2.25” DIAMETER AT LARGE END OF TAPER.
FOR 5.000” AND 8.000” ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces

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provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use.



01342

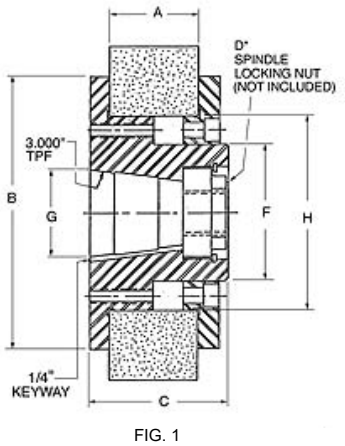


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS							SNAP RING
		A	B	C	D*	F	G	H	
01341	1	3/4 to 1-1/2	7	2-9/16	3/4-16	3-1/2	1.62	5.000	04248
01357	1	1 to 2-1/2	7	3-9/16	1-1/8-12	3-1/2	2.25	5.000	04358
01342	2	3/4 to 1-3/4	7	2-13/16	3/4-16	3-5/8	1.62	5.000	01830
01343	2	1 to 2-1/2	7	3-9/16	1-1/8-12	3-5/8	2.25	5.000	01830
01344	2	1-3/4 to 3	10	4-1/16	1-1/8-12	4	2.25	8.000	01830

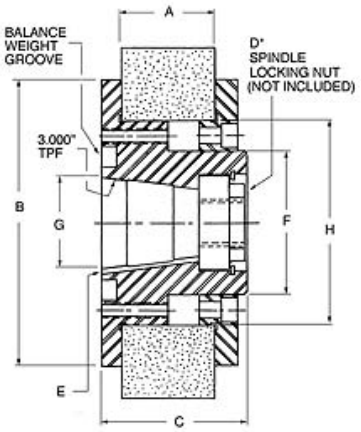


FIG. 2

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01341	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
01342	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
	1-1/2 to 1-3/4	01797	3/8-16X2-1/4	4
01343	1 to 1-1/2	01798	3/8-16X1-1/2	4
01357	1-3/4 to 2	01797	3/8-16X2-1/4	4
	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
01344	1-3/4 to 2	01797	3/8-16X2-1/4	4
	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	2-3/4 to 3	01800	3/8-16X3-1/4	4



01797



00828

00828	Three piece bronze balancing weight set for 01342 and 01343.
00826	Three piece bronze balancing weight set for 01344.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 3.000" AND 5.000" ID WHEELS.



01353 (Front Side)



01351 (Taper Side)

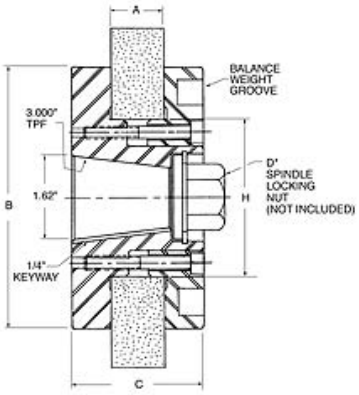


FIG. 1

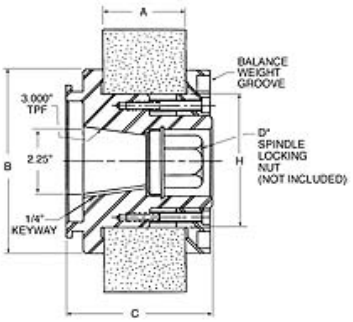


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS			
		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

OPTIONAL SOCKET HEAD CAP SCREW SETS.

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.
00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

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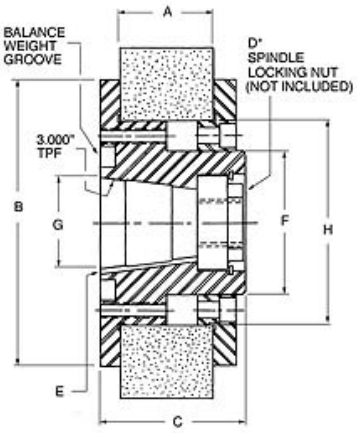
Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000" TPF WITH 2.62", 3.00" AND 3.75" DIAMETER AT LARGE END OF TAPER.
FOR 5.000", 8.000" AND 12.000" ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use. And of course, the high quality internal taper is unsurpassed for precision spindle mounting.



01345



SOPKO CATALOG NO.	DIMENSIONS								SNAP RING
	A	B	C	D*	E	F	G	H	
01345	1-1/2 to 2-3/4	7	4-3/16	1-1/2-12	1/4	3-5/8	2.62	5.000	01830
01346	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	2.62	12.000	01830
01347	1-3/4 to 3	7	4-11/16	1-1/2-12	1/4	3-5/8	3.00	5.000	01830
01348	1-3/4 to 3	10	4-5/16	1-1/2-12	1/4	5-1/2	3.00	8.000	01830
01349	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	3.00	12.000	01830
01350	2-1/4 to 4	10	5-1/2	2-1/4-12	3/8	5-1/2	3.75	8.000	04331



01801

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01345	1-1/2 to 2	01801	3/8-16X2-1/2	4
	2-1/4 to 2-3/4	01800	3/8-16X3-1/4	4
01346	1-3/4 to 2-1/4	01811	3/8-16X3	6
01347	2-1/2 to 3	01802	3/8-16X3-1/2	4
01349	6			
01348	1-3/4 to 2-1/4	01803	1/2-13X3	6
	2-1/2 to 3	01804	1/2-13X3-1/2	6
	2-1/4 to 2-3/4	01805	1/2-13X2-1/2	6

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00829

01350	3 to 3-1/2	01806	1/2-13X3-1/4	6
	4	01807	1/2-13X4	6

00829	Three piece bronze balancing weight set for 01346 and 01349.
00826	Three piece bronze balancing weight set for 01345, 01347, 01348, and 01350.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapter Parts.

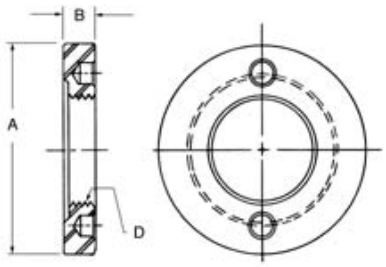
Nuts.



00285



04264



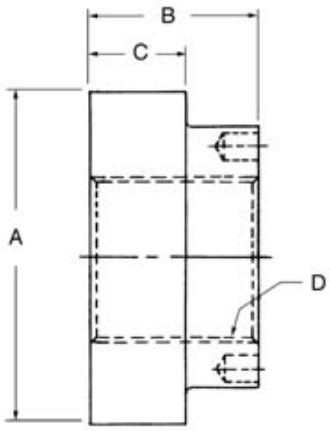
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D	DESCRIPTIONS
00285	235-NL	3-1/2	3/8	1-1/4-16LH	
00286	235-NR	3-1/2	3/8	1-1/4-16RH	
04266	-	3-1/2	5/16	2-18RH	For large taper adapter 01312
05114	-	3-7/16	5/16	1-1/4-16LH	For Gallmeyer & Livingston adapters 00526, 00527, and 00528
05042	25-1569-1	4-1/8	1/2	3-16LH	For shrouded adapter 00183
05043	-	4-1/8	1/2	2-16LH	For shrouded adapter 00182
04260	-	4-1/4	7/16	2-18RH	For large taper balancing adapter 01313
04263	-	4-1/4	9/16	3-16LH	
04265	-	4-1/4	9/16	3-16RH	
04287	-	4-1/4	13/32	1-1/4-16LH	
04288	-	4-1/4	13/32	1-1/4-16RH	
04285	-	4-1/4	5/8	2-3/4-16RH	
04262	-	4-1/2	7/16	3-16LH	For Clausing and Covel adapter 00693
04294	-	4-3/4	7/16	3-16LH	For Norton S-3 balancing adapter 00824
04267	-	4-3/4	1/2	3-16LH	
04300	-	5	7/16	3-16LH	
04270	-	5	7/16	3-16RH	For large taper adapter 01329, 01324
04264	-	5	9/16	3-16LH	For large taper balancing adapters 01330, 01338, 01332, and 01340
04261	-	5	9/16	3-16RH	For large taper balancing adapter 01337

This style nut, used to lock wheel adapters onto the spindle, and secured in the adapter with a snap-ring, is referred to as a CAPTIVE Spindle locking nut.





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05108 **05111**

SOPKO CATALOG NO.	DIMENSIONS A	B	C	D	DESCRIPTIONS
05108	2-15/16	7/8	0.60	3/4-16RH	For adapter 01342
05115	2-15/16	1-1/8	0.81	1-1/8-12RH	For adapter 01341
05109	2-15/16	1-1/4	0.81	1-1/8-12RH	For adapter 01343
05110	2-15/16	1-5/8	0.81	1-1/8-12RH	For adapter 01344
05111	2-15/16	1-1/2	0.81	1-1/2-12RH	For adapters 01345, 01346, 01347, 01348, and 01349
05112	4-1/2	2-1/4	1.025	2-1/4-12RH	For adapter 01350

Electroless nickel plating is available for all nuts at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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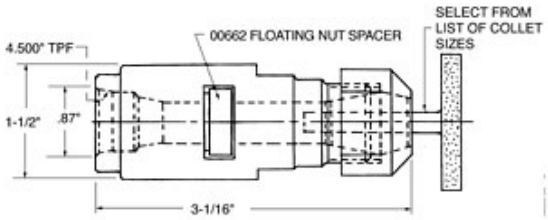
Cincinnati Taper Collet Chuck Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND THE SET-UP TIME OF A HIGH SPEED ATTACHMENT.

THERE IS A DIFFERENCE WITH SOPKO!

- Made from superior QUALITY alloy steel and heat treated for optimum performance.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- The extension body is GROUND for concentricity.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose-angle to insure PROPER ENGAGEMENT of the grinding wheel shank.





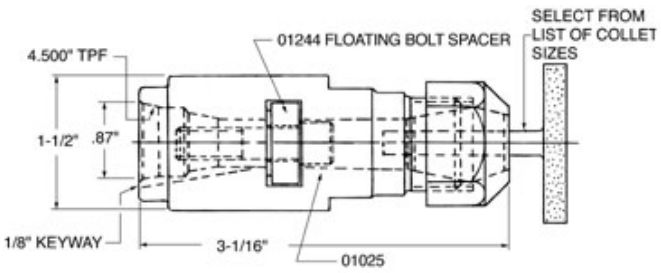
Ideal for older Cincinnati flat belt center drive grinder spindles. The set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.

SOPKO CATALOG NO.	SOPKO PART NO.
00757	C200-CCEA

6000 SERIES COLLETS* RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	COLLET CAPACITY
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

*Additional collet sizes are available on special order.

Ideal for newer style Cincinnati grinders having direct motorized and timing belt driven spindles with a 1/8" keyway in the taper. The set includes a 1/4" 6000 series collet 59108, collet nut 59125, floating bolt spacer 01244 (FN-2), and socket head cap screw 01025 (FN-B). The bolt is dropped into the extension and through the round floating bolt spacer. In this position the bolt acts as a draw thread to pull the collet chuck extension onto the spindle taper. A 1-1/4" wrench flat on the body makes installation and removal easy.



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SOPKO CATALOG NO.	SOPKO PART NO.
00679	C200-CCEA-KW

Standard taper (3.000" TPF) collet chuck extension adapters on page 18.
*Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

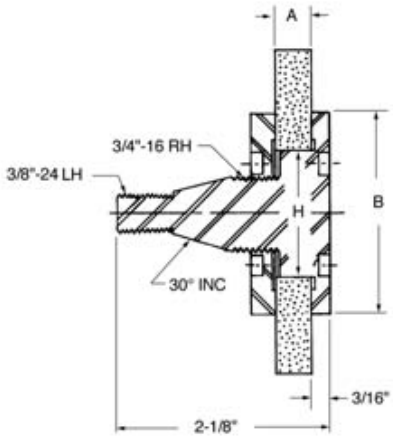
CAUTION!
Always Wear Safety Goggles When Griding.

Taper Adapters for Cincinnati Monoset Grinders.

30° INC ANGLE WITH .75" DIAMETER AT LARGE END OF TAPER.
FOR .750" AND 1.250" ID WHEELS.



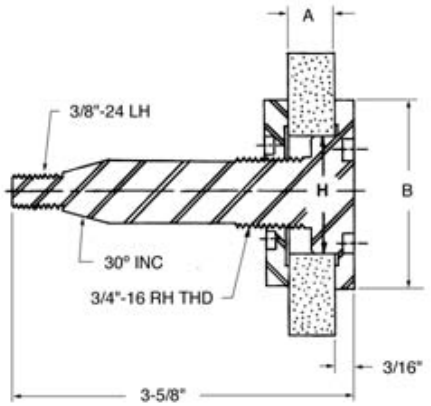




SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	H
00110	S110	1/4 to 1/2	1-3/8	3/4
00111	S111	1/4 to 1/2	2	1-1/4
50122	-	3/4	2	1-1/4

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00099 **00098**

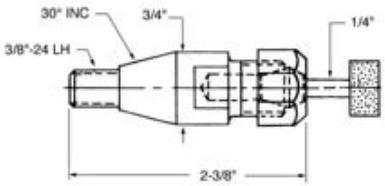
Sopko LONG EXTENDED MONOSET cutter and tool grinder adapters provide added clearance by locating the grinding wheel further from the spindle nose. They are ideal for applications requiring an operator to reach across an obstruction.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	H
00099	SE110	1/4 to 1/2	1-3/8	3/4
00098	SE111	1/4 to 1/2	2	1-1/4

THERE IS A DIFFERENCE WITH SOPKO!

- Monoset Collet Chuck Quills are GROUND all over for CONCENTRICITY.
- PRECISION TAPERS are GROUND at both ends.
- Made from superior QUALITY alloy steel and HEAT TREATED for optimum performance.
- The hardened collet nut has a PRECISION INTERNAL TAPER that seats PRECISELY against the collet nose angle to ensure PROPER ENGAGEMENT of the grinding wheel shank.
- Comes complete with 1/8" 20004 and 1/4" 20012 series 4000 collets, and collet nut 20013.*





*See page 97 for additional Series 4000 collet sizes.

00097

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Cincinnati Taper New Style and Old Style Conversion Adapters.*

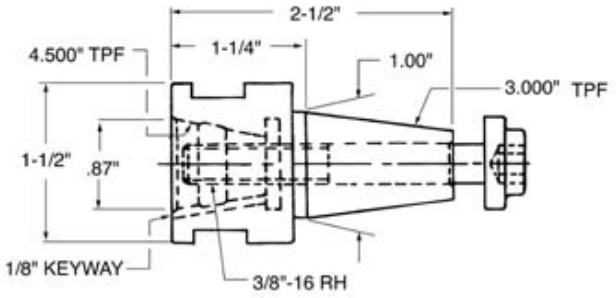
ID IS 4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
OD IS 3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
MOUNT STANDARD TAPER ADAPTERS ON CINCINNATI TAPER SPINDLES.

Designed for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this conversion adapter allows you to mount any Standard Taper (3.000" TPF) adapter to your Cincinnati Taper spindles.
Furnished with special spindle mounting bolt 04249.
A 1-1/4” wrench flat on the body makes installation and removal easy.



50081

SOPKO CATALOG NO.
50081



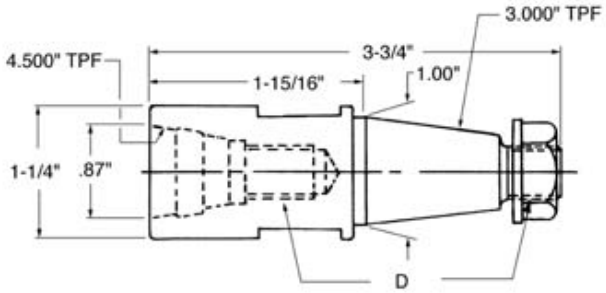
Designed for older Cincinnati flat belt center driven spindles, this conversion adapter features a Cincinnati Taper (4.500" TPF) in the ID and a Standard Taper (3.000" TPF) on the OD.
Now you can confidently mount standard taper adapters on your Cincinnati taper spindles. Furnished with a 1/2-13 hex spindle nut. A 1-1/16” wrench flat on the body makes installation and removal easy.

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00114

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
00113	S113	1/2-13LH
00114	S114	1/2-13RH



*For additional double taper conversion quills see page 85, 86, 87, 88 and 89.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

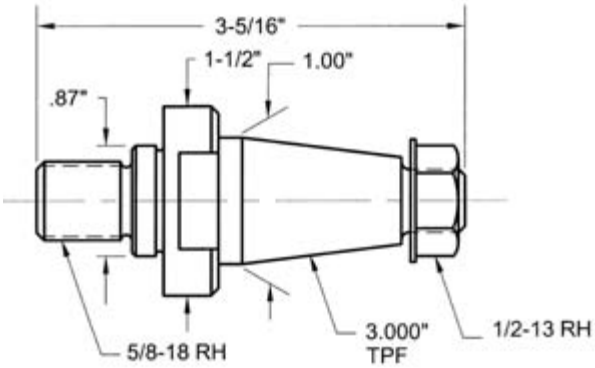
CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

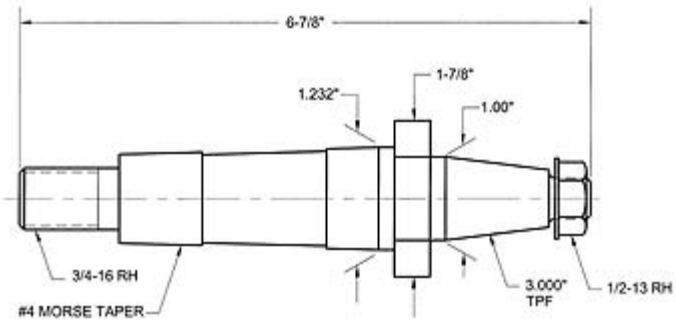
Spindle Conversion Quills.

The innovative Double-Taper Conversion Quill design offers the convenience and flexibility of using internal grinding spindles for external grinding applications. What a great tool to increase productivity and eliminate the cost and delay of making a special adapter! Sopko provides Double-Taper Quills to convert a wide variety of spindle types for use with Sopko standard adapters having a 3.000" TPF with 1.00" LE. Featuring two precision ground tapers for reliable spindle and adapter mounting, Sopko conversion quills are made from quality alloy steel, then heat treated for strength, long-life, and rigidity. Diameters and threads are ground for concentricity and squareness to optimize grinding conditions.

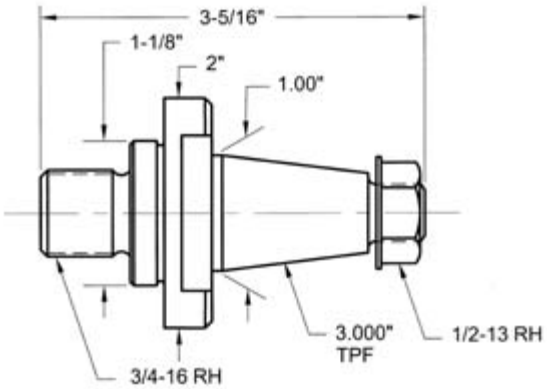
01450 Converts Heald 7-187 Straight Shank to 3" TPF, 1" LE



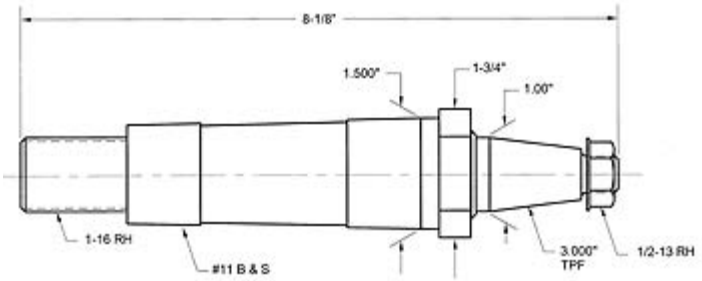
31019 Converts Heald #49 Taper to 3" TPF, 1" LE



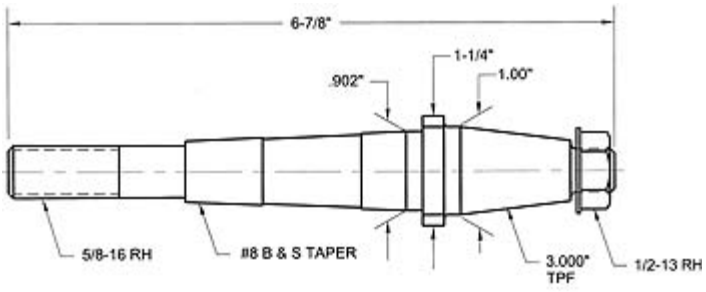
01381 Converts Heald 9-189 Straight Shank to 3" TPF, 1" LE



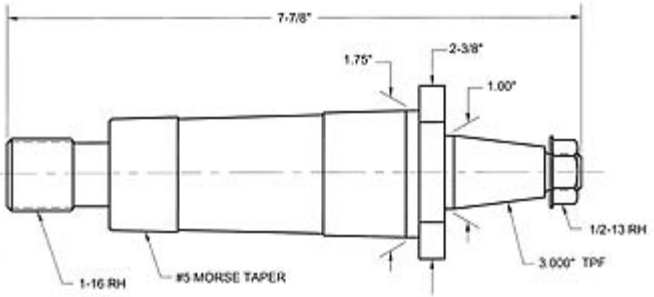
40019 Converts Heald #51 Taper to 3" TPF, 1" LE



31018 Converts Heald #47 Taper to 3" TPF, 1" LE



01226 Converts Heald #53 Taper to 3" TPF, 1" LE



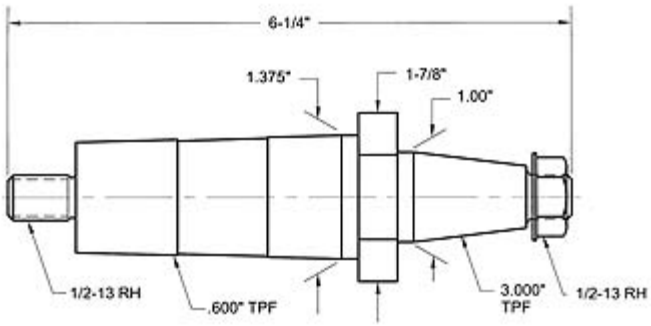
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

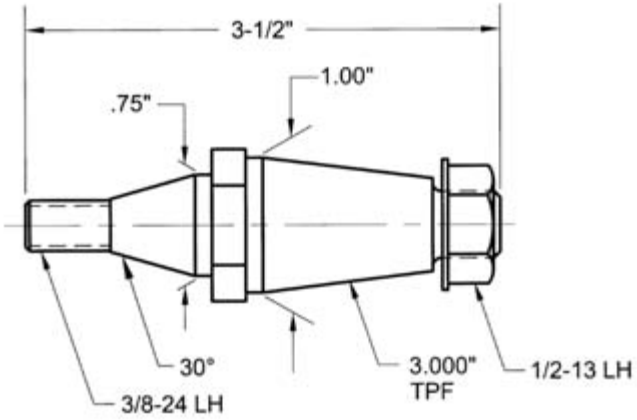
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Spindle Conversion Quills.

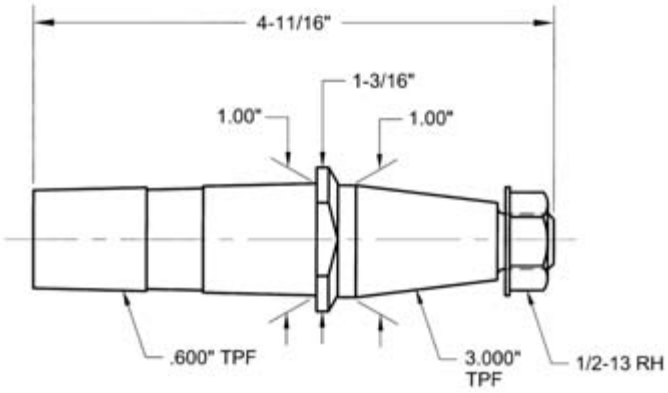
01172 Converts 1.375 Jarno RH Taper to 3" TPF, 1" LE



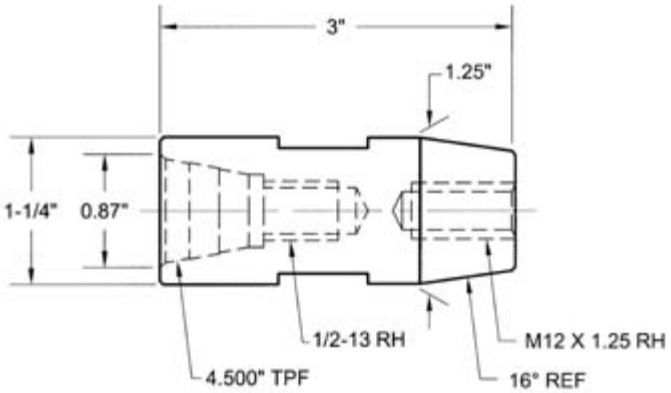
40017 Converts Cincinnati Monoset Taper to 3" TPF, 1" LE



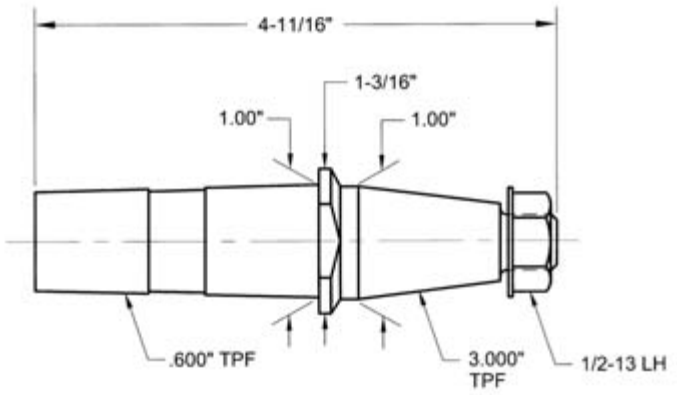
40012 Converts 1.000 Jarno PM to 3" TPF, 1" LE



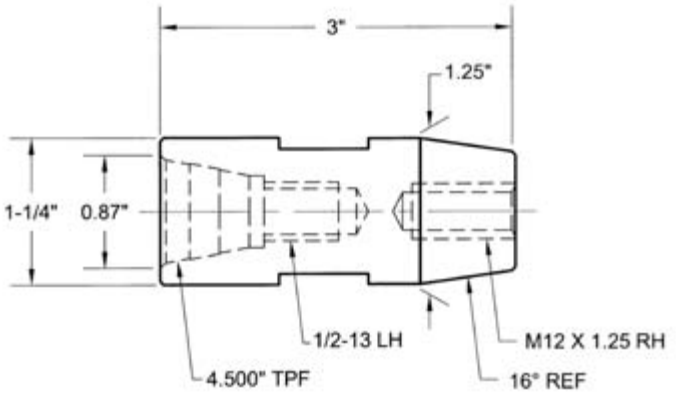
05338 Converts Older RH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE



40014 Converts 1.000 Jarno PM to 3" TPF, 1" LE

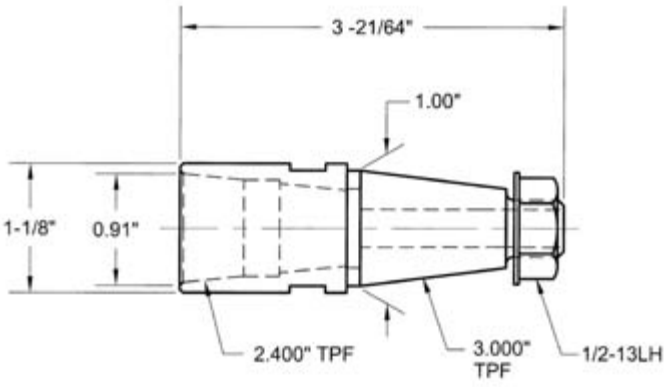


50342 Converts Older LH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE

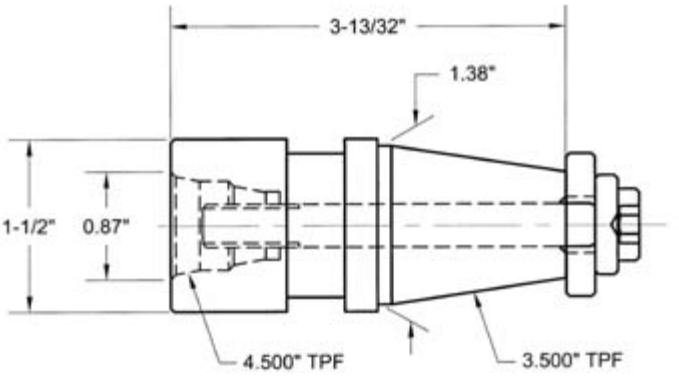


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00962 Converts Walter NC50 Taper to 3" TPF, 1" LE



00914 Converts Newer RH Cincinnati 4.5" TPF, .87" LE to ANCA TG7 Taper



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Cincinnati Taper Long Extended Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 OR NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Cincinnati taper long extended adapters are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinding applications where the operator must reach across a boss or other obstruction. The adapters also have application on cutter grinders and tool grinders.

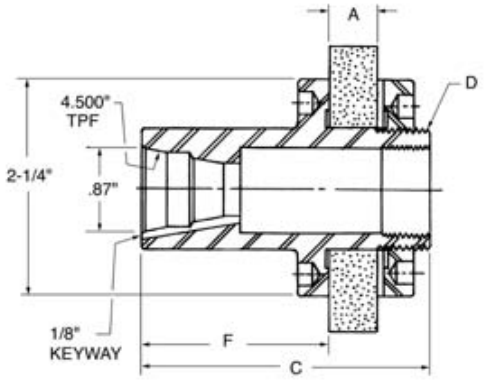


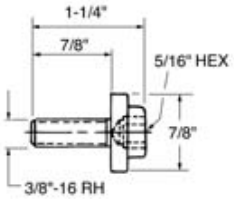
00242



00243

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	F
00240*	CE200-1A	1/4 to 3/4	3	1-1/4-16LH	1-15/16
00242*	CE200-2A	1/4 to 3/4	3	1-1/4-16RH	1-15/16
00241*	CE201-1A	1/4 to 3/4	4-7/16	1-1/4-16LH	3-3/8
00243*	CE201-2A	1/4 to 3/4	4-7/16	1-1/4-16RH	3-3/8





*Includes spindle mounting bolt 14362 only.

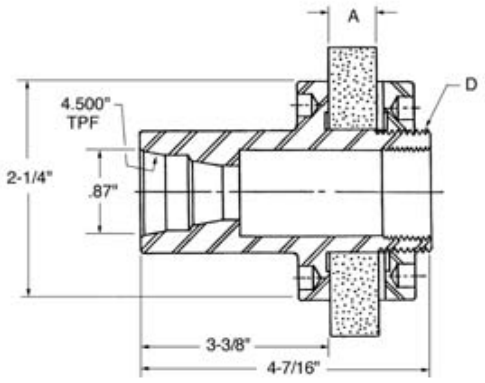
For older style Cincinnati flat belt, center drive spindles.



00291

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00291	CE202-1A	1/4 to 3/4	1-1/4-16LH
00292	CE202-2A	1/4 to 3/4	1-1/4-16RH

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Standard taper (3.000" TPF) long extended wheel adapters on page 14.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

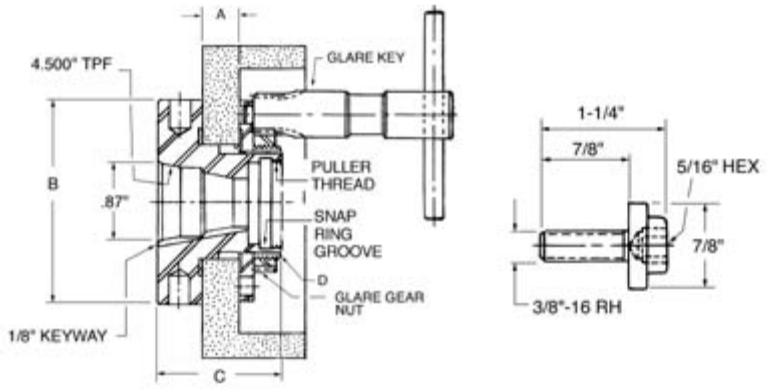
Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Cincinnati Taper Wheel Adapters
With Glare Gear Assembly.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper.
Adapter locked on spindle taper with bolt.





01116**

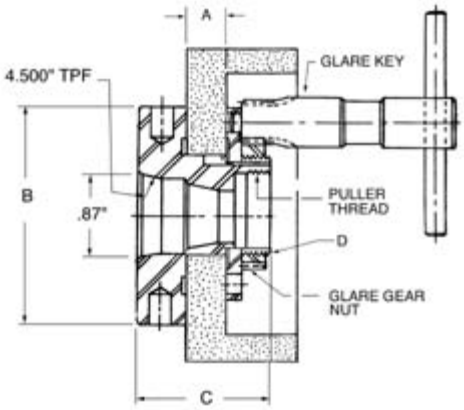
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
01125	GGC100-2KW	3/4 to 1	2-1/4	2	1-1/4-16RH
00571	GGC200-1KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
01116	GGC200-2KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH

*Spindle mounting bolt 14362 and retaining ring 04269 included.
**Grinding wheel not included.

For older style Cincinnati flat belt, center drive spindles. No keyway in taper.
Adapter locked on spindle taper with spindle nut.*

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00909**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00909	GGC200-1	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH

* Spindle mounting nut not included.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

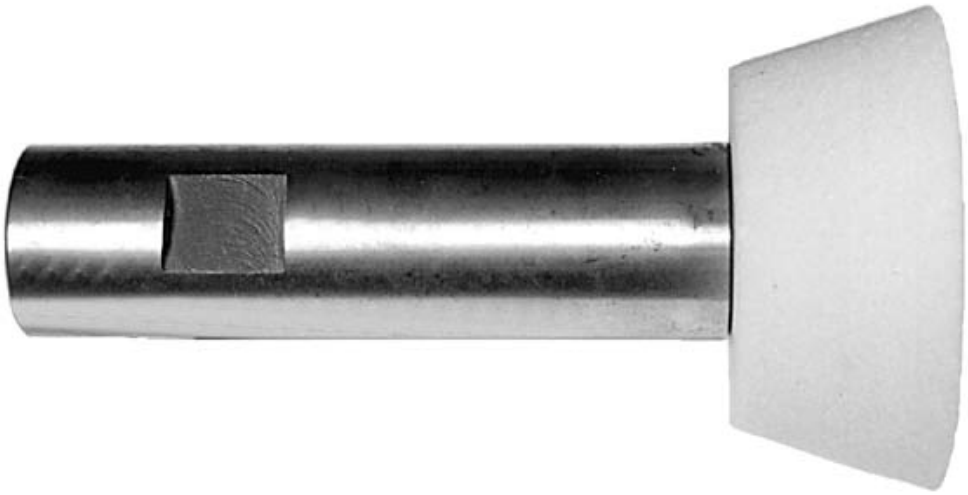
Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Cincinnati Taper Old Style I.D. Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND THE SET-UP TIME OF A HIGH SPEED ATTACHMENT.

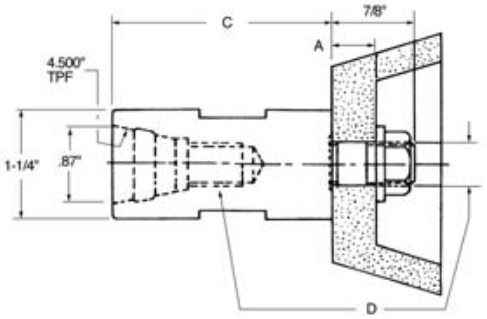
CHECK THESE FEATURES!

- GROUND diameters for CONCENTRICITY.
- HEAT TREATED for STRENGTH and SAFETY.
- PRECISION GROUND taper for RELIABLE spindle mating.
- IN STOCK for immediate shipment.



13426*

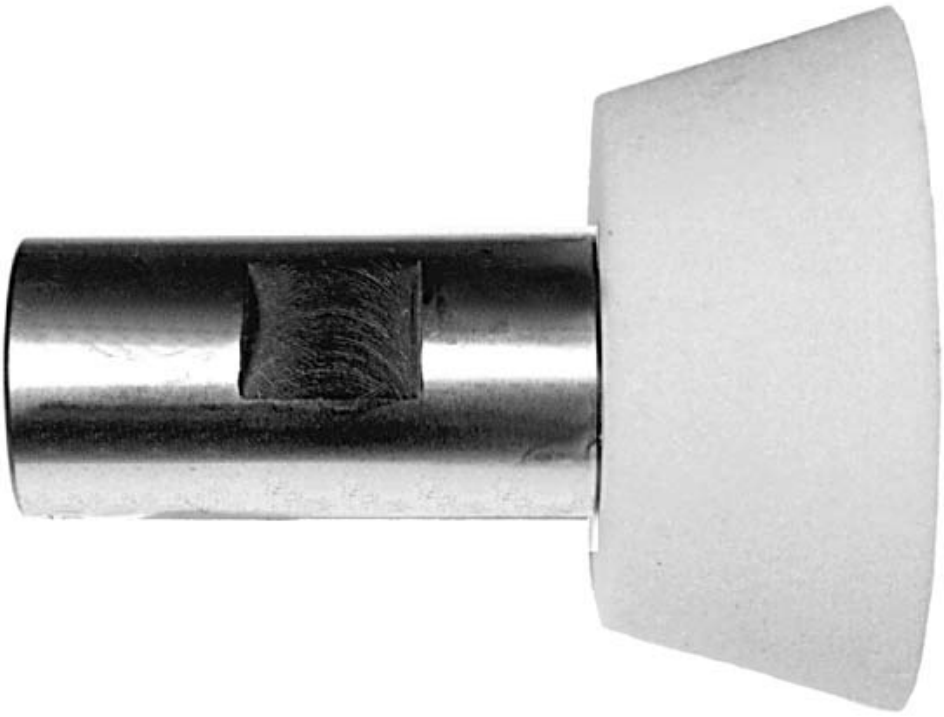
Designed for added reach, the IDWE comes complete with a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13458	134518-LH	3/8 to 1/2	4-1/2	1/2-13LH
13426	134269-RH	3/8 to 1/2	4-1/2	1/2-13RH

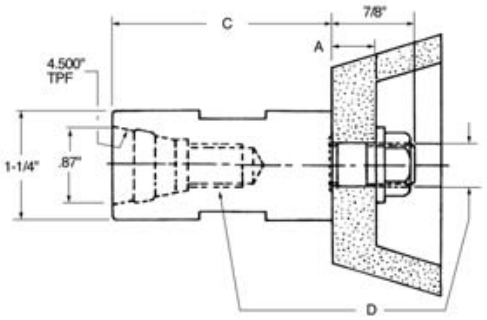
Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.

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78515*

Identical to the long series above but 2" shorter OAL. Has a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13456	134516-LH	3/8 to 1/2	2-1/2	1/2-13LH
78515	78515-RH	3/8 to 1/2	2-1/2	1/2-13RH

Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

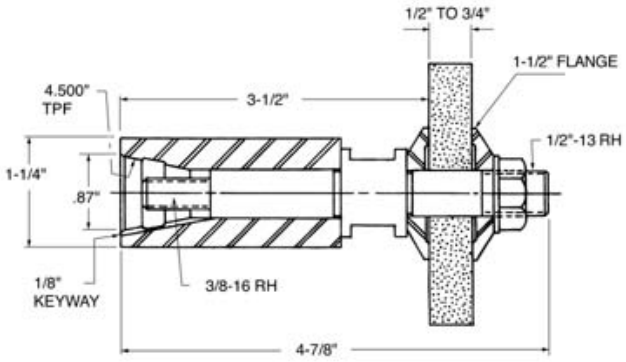
Cincinnati Taper New Style I.D. Wheel Extensions.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR .500" ID WHEELS.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. The 3/8-16RH thread on the arbor 04271 acts as a draw thread to pull the extension onto the taper and a 3/4" wrench flat makes installation and removal easy. The extension comes complete with two 1-1/2" mating side flanges 00053 (F4), a 1/2-13RH hex spindle nut 05002, and an extension body 04272.

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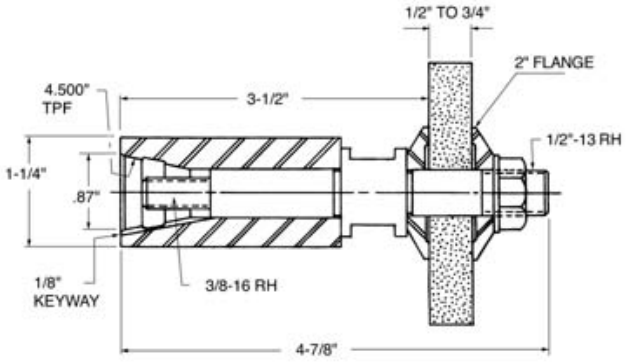
55000

SOPKO CATALOG NO.	SOPKO PART NO.
55000	NS550

Standard taper (3.000 TPF) ID wheel extension adapters on page 16 and 17.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper and furnished with two 2" mating side flanges 00054 (F1), a 1/2-13RH hex spindle nut 05002, and an extension body 04272. The 3/8-16RH thread on the arbor 04271 acts as a draw thread to pull the extension onto the taper, and a 3/4" wrench flat makes installation and removal easy.





00483

SOPKO CATALOG NO.
00483

Standard taper (3.000 TPF) ID wheel extension adapters on page 16 and 17.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Cincinnati Taper Old Style Male Extensions.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
EXTEND THE REACH OF YOUR CINCINNATI ADAPTERS.

Made for older Cincinnati flat belt, center drive spindles, these extensions offer added reach when standard adapters won't work. Increased utility is achieved because grinding wheels mounted on Cincinnati taper adapters need not be dismounted. Very useful when grinding with diamond wheels, the extensions come complete with a 1/2-13 hex spindle nut to safely secure adapters.
A 1-1/16" wrench flat on the body diameter makes installation and removal easy.

TIME-SAVING FEATURES:

- PRECISION internal Cincinnati taper for RELIABLE spindle mounting.
- PRECISION external Cincinnati taper for PROPER adapter mounting.
- GROUND external threads for CONCENTRICITY and SQUARENESS.
- HEAT TREATED for strength and rigidity.

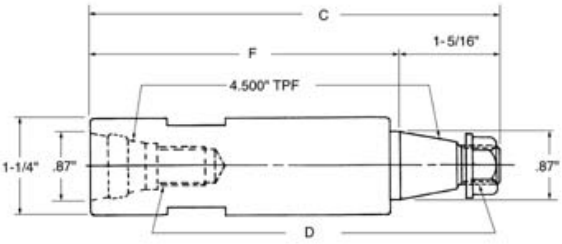


67791



73281

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F
13457	134517-LH	5-5/16	1/2-13LH	4
67791	67791-RH	5-5/16	1/2-13RH	4
00134	134515-LH	3-3/8	1/2-13LH	2-1/16
73281	73281-RH	3-3/8	1/2-13RH	2-1/16



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper New Style Male Extensions.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
EXTEND THE REACH OF YOUR CINCINNATI ADAPTERS.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this extension offers added reach for operations where regular adapters won't work. Increased utility is obtained because mounted grinding wheels need not be dismounted. Very useful when grinding

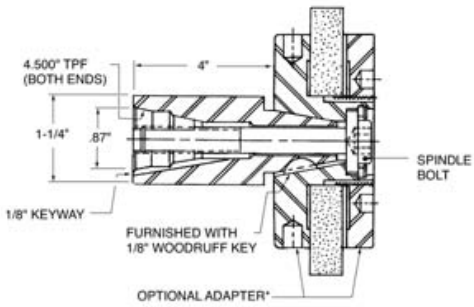
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with diamond wheels, the extension comes complete with a 3/8-16RH spindle bolt 15674 that runs through the body and locks the extension and wheel adapter onto the taper.



56173

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS OAL
56173	156173RH	4-13/16

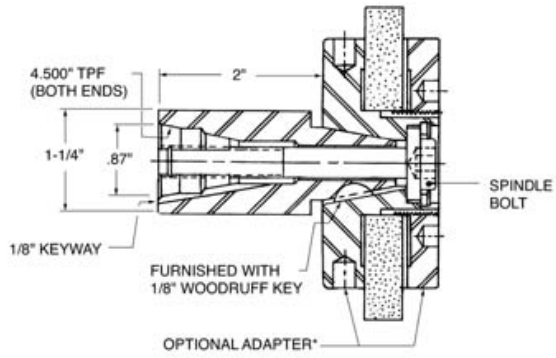


Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this extension offers the same quality features as the 56173 above but 2" shorter OAL. Furnished with 3/8-16RH spindle bolt 15671.



56172

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS OAL
56172	156172RH	2-13/16



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

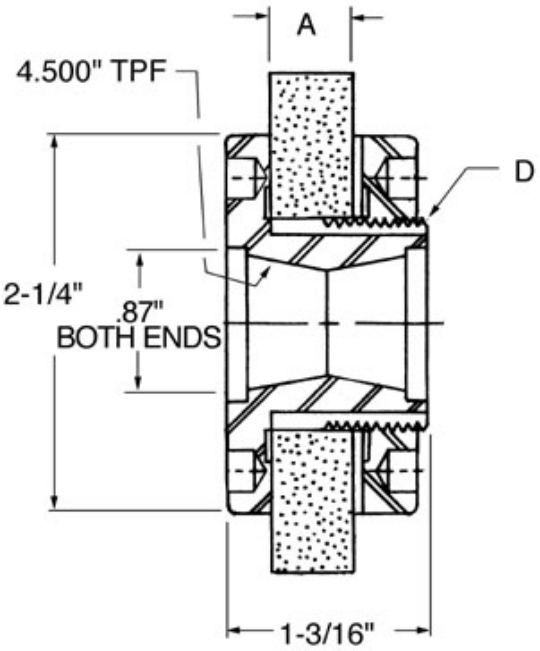
Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Cincinnati Taper Reversible Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way, without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper, and are securely locked against loosening by the wheel rotation. Manufactured from quality steel, then HARDENED AND GROUND to withstand the rigors of daily use.



CINCINNATI TAPER "OLD STYLE" REVERSIBLE WHEEL ADAPTER.

A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the older Cincinnati flat belt center drive spindles, the adapter comes complete with a 1/2-13LH 06074 and a 1/2-13RH 06073 slotted spindle nut.

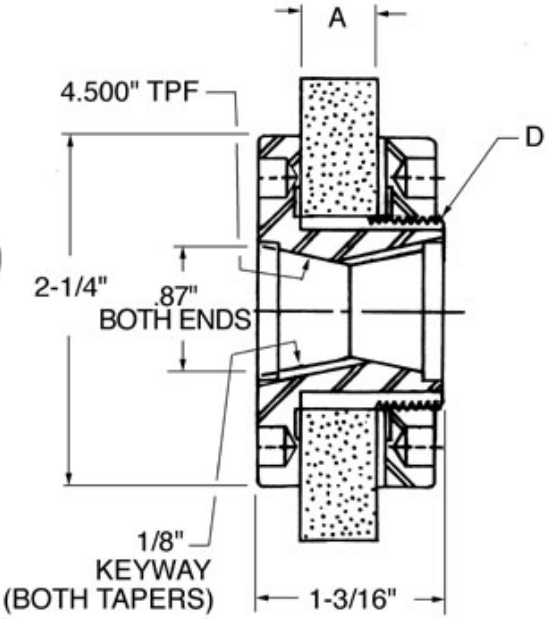


SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00122	122RWA	1/4 to 1/2	1-1/4-16RH

CINCINNATI TAPER "NEW STYLE" REVERSIBLE WHEEL ADAPTER.

A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. The adapter comes complete with a 3/8-16RH mounting bolt 14362.





SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00123	122CRWA	1/4 to 1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

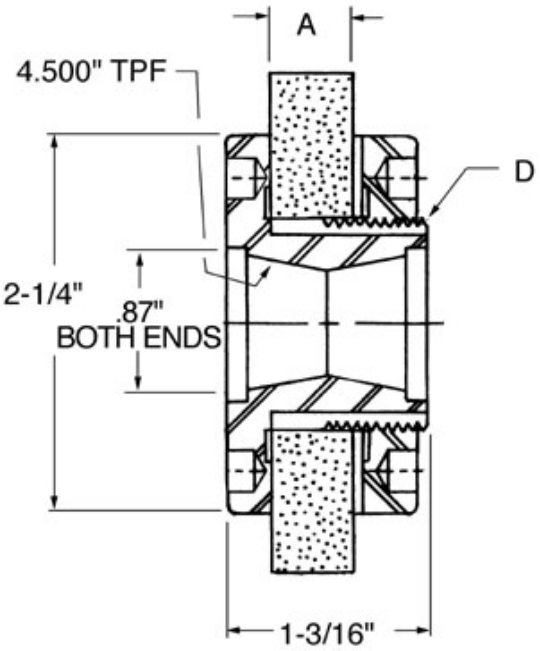
Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Cincinnati Taper Reversible Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way, without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper, and are securely locked against loosening by the wheel rotation. Manufactured from quality steel, then HARDENED AND GROUND to withstand the rigors of daily use.



CINCINNATI TAPER "OLD STYLE" REVERSIBLE WHEEL ADAPTER.

A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the older Cincinnati flat belt center drive spindles, the adapter comes complete with a 1/2-13LH 06074 and a 1/2-13RH 06073 slotted spindle nut.

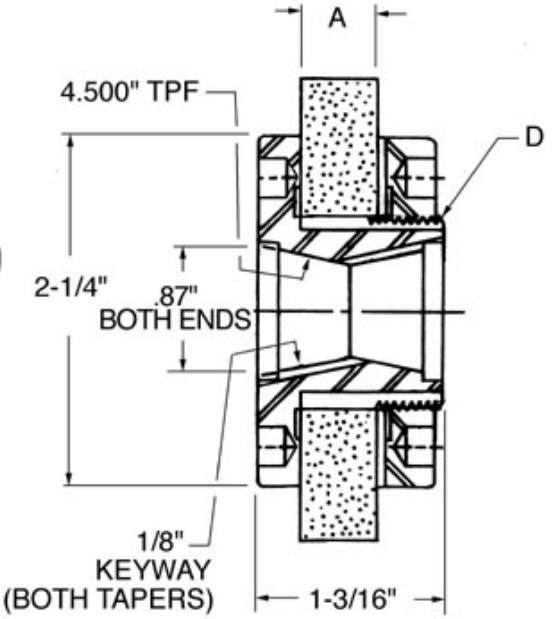


SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00122	122RWA	1/4 to 1/2	1-1/4-16RH

CINCINNATI TAPER "NEW STYLE" REVERSIBLE WHEEL ADAPTER.

A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. The adapter comes complete with a 3/8-16RH mounting bolt 14362.





SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00123	122CRWA	1/4 to 1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

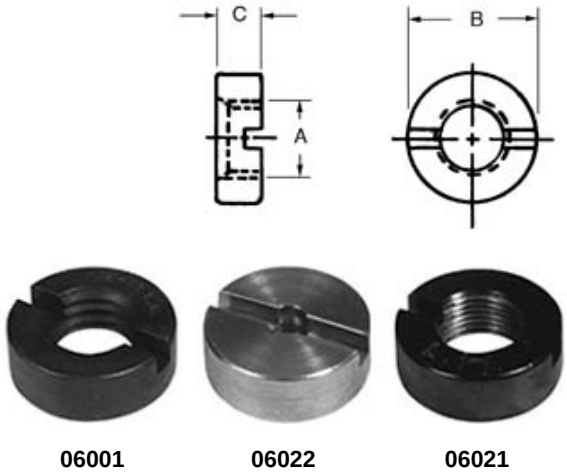
Wheel Adapter Parts.

Slotted Spindle Nuts.

Made from quality alloy steel and heat treated for strength, these spindle nuts feature a flange face precisely perpendicular to the thread for maximum clamping surface. The milled slot provides solid wrench engagement for safety. Right-hand and left-hand threads are easily identified with RH and LH designations stamped on the face. Nuts have black oxide finish.

Slotted Spindle Nuts

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	C
06001	S500-1	1/2-13LH	7/8	5/16
06002	S500-2	1/2-13RH	7/8	5/16
06003	S500-3	31/64-14LH	7/8	5/16
06004	S500-4	31/64-14RH	7/8	5/16
06005	S500-5	3/8-16LH	7/8	5/16
06006	S500-6	3/8-16RH	7/8	5/16
06007	S500-7	1/2-16LH	7/8	5/16
06008	S500-8	1/2-16RH	7/8	5/16
06009	S500-9	9/16-18LH	7/8	5/16
06010	S500-10	1/4-20RH	7/8	5/16
06011	S500-11	5/16-18RH	7/8	5/16
06012	S500-12	1/2-20LH	7/8	5/16
06013	S500-13	1/2-20RH	7/8	5/16
06022	S500-14	#5 DRILL (SOFT)	7/8	5/16
06015	S500-15	7/16-14LH	7/8	5/16
06016	S500-16	7/16-14RH	7/8	5/16
06021*	-	M12XP1LH	22MM (0.87”)	13MM (0.51”)

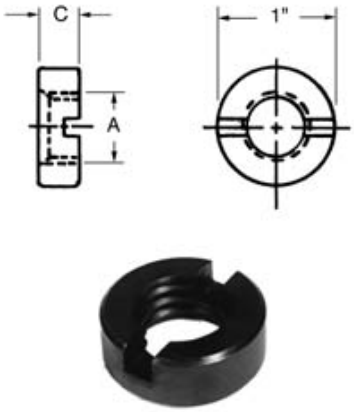


06001 **06022** **06021**

*Okamoto

Larger Slotted Spindle Nuts

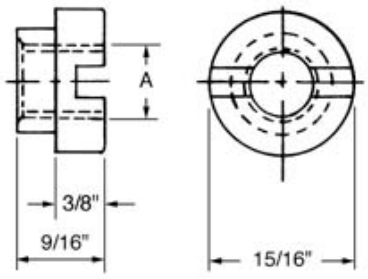
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	C
00948	S501-1	1/2-13LH	1/4
00949	S501-2	1/2-13RH	1/4
00954	S501-7	1/2-16LH	1/4
00952	S501-5	3/8-16LH	1/4
00953	S501-6	3/8-16RH	1/4
06018	-	5/8-11LH	3/8
06017	-	5/8-11RH	3/8
00950	S501-3	31/64-14LH	1/4
00951	S501-4	31/64-14RH	1/4



06018

Slotted Spindle Nuts for Old Style Cincinnati Reversible Adapters

SOPKO CATALOG NO.	DIMENSIONS



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A	
06073	1/2-13RH
06074	1/2-13LH



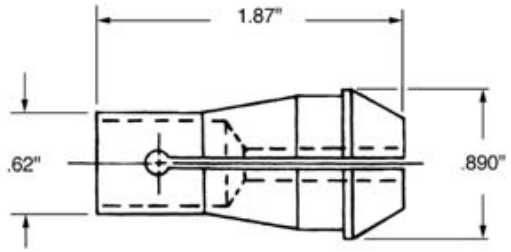
06073

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Double Taper Collets and Collet Nuts.*
SERIES 1000 and 2000.





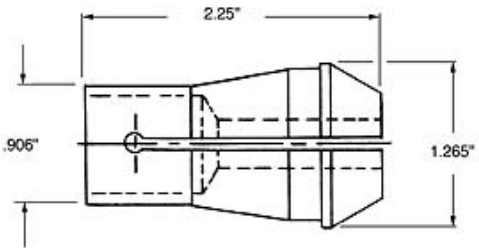
20143



20158

SERIES 1000 - RANGE 1/8" TO 1/2"

SOPKO CATALOG NO.	COLLET CAPACITY
20143	1/8
20147	3/16
20151	1/4
20152	17/64
20153	5/16
20154	21/64
20155	3/8
20156	13/32
20158	7/16
20161	1/2
20162	NUT





20193



20141



SERIES 2000 - RANGE 1/16" TO 3/4"

SOPKO CATALOG NO.	COLLET CAPACITY
20193	1/16
20192	1/8
20135	5/16
20136	3/8
20137	7/16
20138	1/2
20139	9/16
20140	5/8
20141	3/4
20142	NUT

* All sizes subject to manufacturers' availability.

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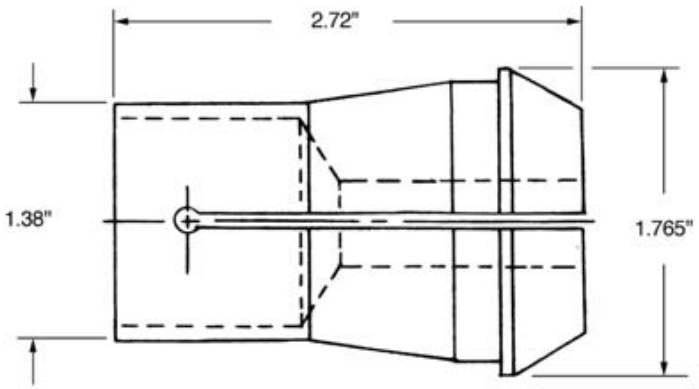
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Double Taper Collets and Collet Nuts.*

SERIES 3000.





20164



20175

SERIES 3000 - RANGE 3/8" TO 1-1/4"

SOPKO CATALOG NO.	COLLET CAPACITY
20164	25/64
20165	13/32
20167	17/32
20170	5/8
20171	11/16
20173	23/32
20174	3/4
20175	25/32
20178	27/32
20179	7/8
20180	29/32
20181	1
20182	1-1/16
20184	1-1/8
20185	1-3/16
20186	1-1/4
20187	NUT



20186



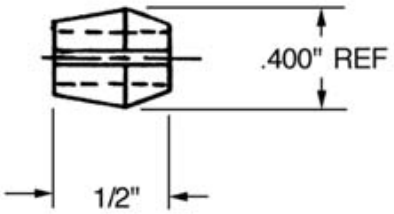
20187

* All sizes subject to manufacturers' availability.

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Double Taper Collets and Collet Nuts.*

Series 4000 and 5000.



4000 SERIES - RANGE 1/16" TO 9/32"

SOPKO CATALOG NO.	COLLET CAPACITY
20000	1/16
20001	5/64
20002	3/32
20003	7/64
20004	1/8
20005	9/64
20006	5/32
20007	11/64
20008	3/16
20009	13/64
20010	7/32
20011	15/64
20012	1/4
20200	9/32
20013	NUT



20004



20000



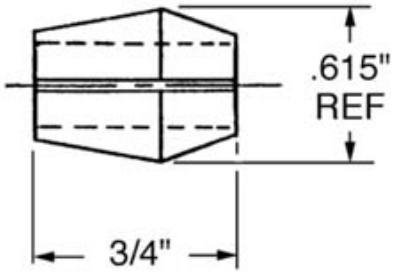
20008



20012



20013



5000 SERIES - RANGE 1/8" TO 3/8"

SOPKO CATALOG NO.	COLLET CAPACITY
20014	1/8
20015	9/64
20016	5/32
20017	11/64
20018	3/16
20019	13/64



20014



20018



20022

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20020	7/32
20021	15/64
20022	1/4
20023	17/64
20024	9/32
20025	19/64
20026	5/16
20027	21/64
20028	11/32
20029	23/64
20030	3/8
20031	NUT



20030



20031

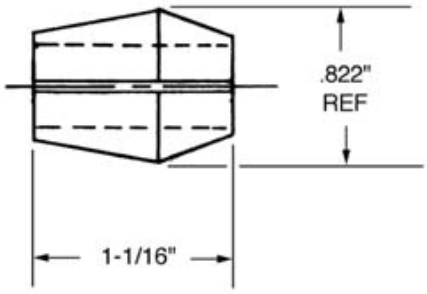
* Available in metric, letter, and number sizes within range.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Double Taper Collets and Collet Nuts.*

Series 6000.



6000 SERIES - RANGE 1/8" TO 1/2"

SOPKO CATALOG NO.	COLLET CAPACITY
59100	1/8
59101	9/64
59102	5/32
59103	11/64
59104	3/16
59105	13/64
59106	7/32
59107	15/64
59108	1/4
59109	17/64
59110	9/32
59111	19/64
59112	5/16
59113	21/64
59114	11/32
59115	23/64
59116	3/8
59117	25/64
59118	13/32
59119	27/64
59120	7/16
59121	29/64
59122	15/32
59123	31/64
59124	1/2
59125	NUT



59100



59108



59112



59116



59120



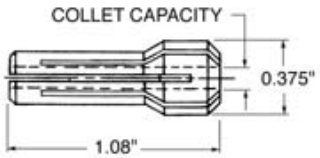
59125

*Available in metric, letter, and number sizes within range.

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Double Angle Collets and Collet Nuts.

Series 200 and 300.

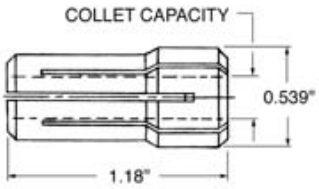


300 SERIES - RANGE 1/32" TO 1/4"

SOPKO CATALOG NO.	COLLET CAPACITY
20058	1/32
20059	3/64
20060	1/16
20061	5/64
20062	3/32
20063	7/64
20064	1/8
20065	9/64
20066	5/32
20067	11/64
20068	3/16
20069	13/64
20070	7/32
20071	15/64
20072	1/4
20189	SLEEVE
20073	NUT



Collet



200 SERIES - RANGE 3/64" TO 25/64"

SOPKO CATALOG NO.	COLLET CAPACITY
20074	3/64
20075	1/16
20076	5/64
20077	3/32
20078	7/64
20079	1/8
20080	9/64
20081	5/32
20082	11/64
20083	3/16
20084	13/64
20085	7/32
20086	15/64
20087	1/4
20088	7/64
20089	9/32
20090	19/64
20091	5/16
20092	21/64
20093	11/32
20094	23/64
20095	3/8
20096	25/64
20190	SLEEVE
20097	NUT



Sleeve



Nut

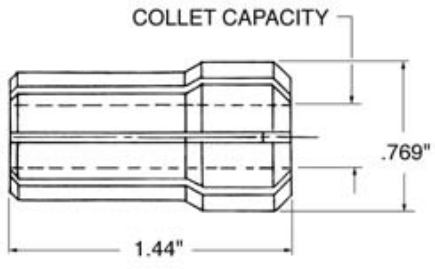
ROTATION:
RH: Right-hand threads for CCW spindle rotation.

CAUTION!

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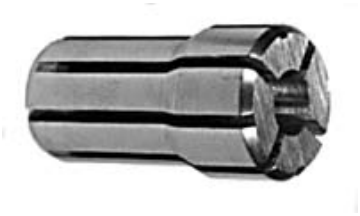
Double Angle Collets and Collet Nuts.

Series 100.



SERIES 100 - RANGE 3/64" TO 9/16"

SOPKO CATALOG NO.	COLLET CAPACITY
20098	3/64
20099	1/16
20100	5/64
20101	3/32
20102	7/64
20104	9/64
20105	5/32
20106	11/64
20107	3/16
20108	13/64
20109	7/32
20110	15/64
20111	1/4
20112	17/64
20113	9/32
20114	19/64
20115	5/16
20116	21/64
20117	11/32
20118	23/64
20119	3/8
20120	25/64
20121	13/32
20122	27/64
20123	7/16
20124	29/64
20125	15/32
20126	31/64
20127	1/2
20128	33/64
20129	17/32
20130	35/64
20131	9/16
20191	SLEEVE
20132	NUT



Collet



Sleeve



Nut

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Standard Taper Collet Chuck Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

Widely used on surface grinders, the set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

THERE IS A DIFFERENCE WITH SOPKO!

- Collet Chuck Quills are ground all over for true CONCENTRICITY and BALANCE.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- Made from AMERICAN SUPERIOR QUALITY alloy steel and heat treated for optimum performance.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose angle to assure PROPER ENGAGEMENT of the grinding wheel shank.

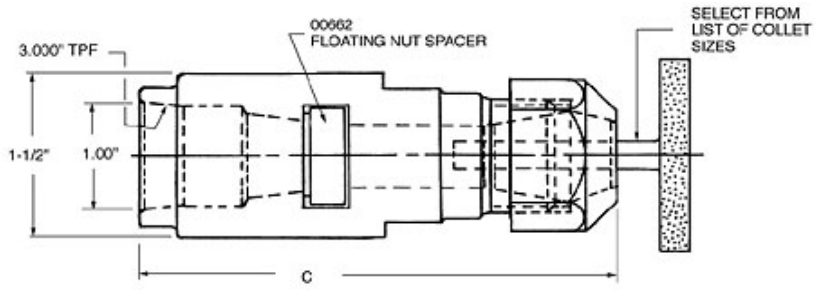


00246



00249

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C
00246	200-CCEA-S	2-15/16
00249	200-CCEA-L	4-15/16



6000 SERIES COLLETS** RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	COLLET CAPACITY
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

**Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

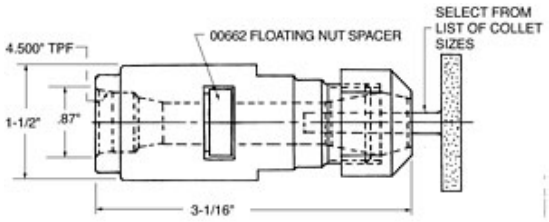
Cincinnati Taper Collet Chuck Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND THE SET-UP TIME OF A HIGH SPEED ATTACHMENT.

THERE IS A DIFFERENCE WITH SOPKO!

- Made from superior QUALITY alloy steel and heat treated for optimum performance.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- The extension body is GROUND for concentricity.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose-angle to insure PROPER ENGAGEMENT of the grinding wheel shank.





Ideal for older Cincinnati flat belt center drive grinder spindles. The set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.

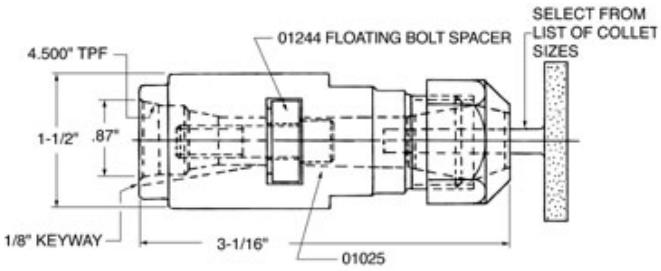
SOPKO CATALOG NO.	SOPKO PART NO.
00757	C200-CCEA

6000 SERIES COLLETS* RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	COLLET CAPACITY
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

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Ideal for newer style Cincinnati grinders having direct motorized and timing belt driven spindles with a 1/8" keyway in the taper. The set includes a 1/4" 6000 series collet 59108, collet nut 59125, floating bolt spacer 01244 (FN-2), and socket head cap screw 01025 (FN-B). The bolt is dropped into the extension and through the round floating bolt spacer. In this position the bolt acts as a draw thread to pull the collet chuck extension onto the spindle taper. A 1-1/4" wrench flat on the body makes installation and removal easy.

*Additional collet sizes are available on special order.





SOPKO CATALOG NO.	SOPKO PART NO.
00679	C200-CCEA-KW

Standard taper (3.000" TPF) collet chuck extension adapters on page 18.
*Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

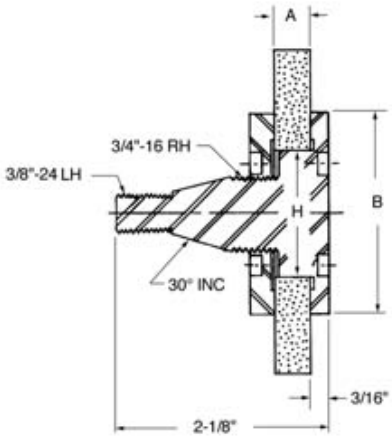
CAUTION!
Always Wear Safety Goggles When Griding.

Taper Adapters for Cincinnati Monoset Grinders.

30° INC ANGLE WITH .75" DIAMETER AT LARGE END OF TAPER.
FOR .750" AND 1.250" ID WHEELS.



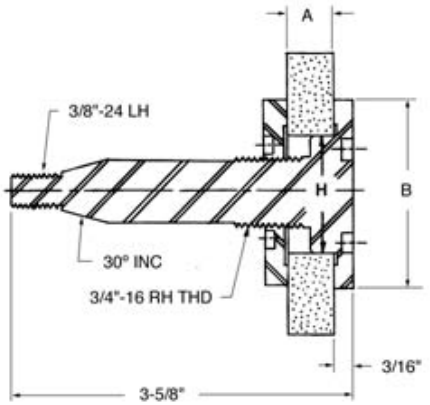
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00111 **00110**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	H
00110	S110	1/4 to 1/2	1-3/8	3/4
00111	S111	1/4 to 1/2	2	1-1/4
50122	-	3/4	2	1-1/4





00099 **00098**

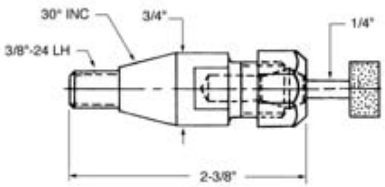
Sopko LONG EXTENDED MONOSET cutter and tool grinder adapters provide added clearance by locating the grinding wheel further from the spindle nose. They are ideal for applications requiring an operator to reach across an obstruction.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	H
00099	SE110	1/4 to 1/2	1-3/8	3/4
00098	SE111	1/4 to 1/2	2	1-1/4

THERE IS A DIFFERENCE WITH SOPKO!

- Monoset Collet Chuck Quills are GROUND all over for CONCENTRICITY.
- PRECISION TAPERS are GROUND at both ends.
- Made from superior QUALITY alloy steel and HEAT TREATED for optimum performance.
- The hardened collet nut has a PRECISION INTERNAL TAPER that seats PRECISELY against the collet nose angle to ensure PROPER ENGAGEMENT of the grinding wheel shank.
- Comes complete with 1/8" 20004 and 1/4" 20012 series 4000 collets, and collet nut 20013.*





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Optional Accessories for 01247 Cartridge Insert Spindle.

WRENCH, COLLET CHUCK QUILLS, OD GRINDING INSERT, AND PULLEYS.

00583 (583) 3/8" Square wrench.



29702* Collet chuck quill for 1/16" to 1/4" dia. shanks.
Furnished with 4000 series nut, 1/8", and 1/4" collets.



29704* Collet chuck quill for 1/8" to 3/8" dia. shanks.
Furnished with 5000 series collet nut only.



00144 (TX) Insert for OD grinding, 5" max dia. wheels.
Comes with 2 wheel collars and 3 general purpose wheels.



00297 (671-0225) 0.735" Crown face flat belt pulley.



00036 (671-0226) 0.985" Crown face flat belt pulley.



00166 (671-0227) 1.235" Crown face flat belt pulley.



00642 (671-0228) 1.985" Crown face flat belt pulley.



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00507 (671-0229) 2.975" Crown face flat belt pulley.



00484 (671-0230) 3.985" Crown face flat belt pulley.



00461 (671-0231) 5.000" Crown face flat belt pulley.



* Jarno taper quill extensions available, ask for brochure No. 49948.
Flat belts available in most sizes, ask for brochure No. 49890.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Optional Accessories for Sopko High Speed Attachment.

The Sopko High Speed Attachment provides higher speeds than would ordinarily be obtained with other spindles. Capable of being mounted in any position about its axis, the unit attaches quickly and easily to the spindle housing and is held securely by two clamping screws. The drive pulley assembly is mounted and balanced on a wheel adapter 00200. Made from quality alloy steel, heat treated for strength, and precisely ground to maximize surface contact, the variety of eccentric bushings increases the unit's versatility. And Sopko quality does not stop with the High Speed Attachment, it extends right into the most varied selection of grinding quills available anywhere.



29707



29709

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com



Jarno taper quill extensions available.*
Ask for brochure No. 49948.



08010

Optional accessories:*
29707 625 Jarno LH collet chuck quill furnished with 4000 series nut, 1/8", and 1/4" collets.
29709 625 Jarno LH collet chuck quill furnished with 5000 series collet nut only.
08010 3-1/8" Eccentric bushing for Boyar-Schultz No. 6 x 12.
08009 3-1/4" Eccentric bushing for Brown & Sharpe No. 2.
08011 80MM Eccentric bushing.

Maintain safe speeds, refer to grinding wheel manufacturers' instructions and ANSI B7.1 or DIN 69170 safety standards.
See page 97 for series 4000 and 5000 collets (specify size).
*Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Grinding Machines
Manufactured by ANCA, Victoria, Australia.

19° 05' 06" INC ANGLE TAPER AND 3.500" TPF WITH .85", 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER.

A Sopko innovation, Double Taper ANCA Conversion Adapters offer convenience and flexibility. Now, you can use conventional machines to accurately dress wheel-packs mounted on ANCA adapters without losing valuable production time. Two precision ground tapers provide reliable spindle and adapter mounting. Made from quality alloy steel, ANCA Double Taper Conversion Adapters are heat treated for strength, long-life, and rigidity. Diameters are ground for concentricity and squareness. These fine Sopko features combine to maintain the original high quality standards of the ANCA Fastgrind system. A 1-1/4” wrench flat on the body makes installation and removal easy.



50193

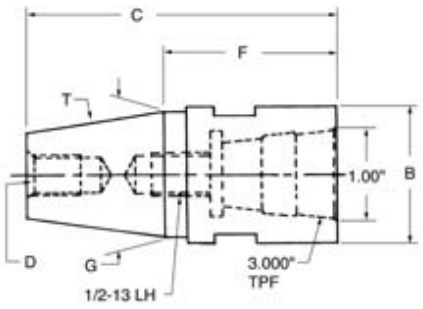


FIG. 1

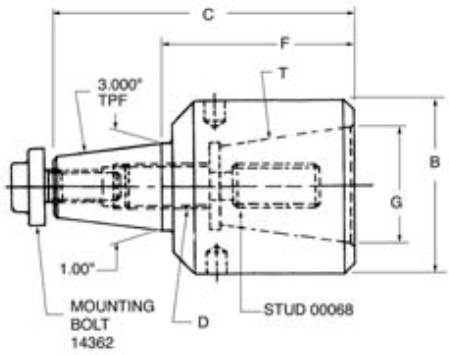


FIG. 2

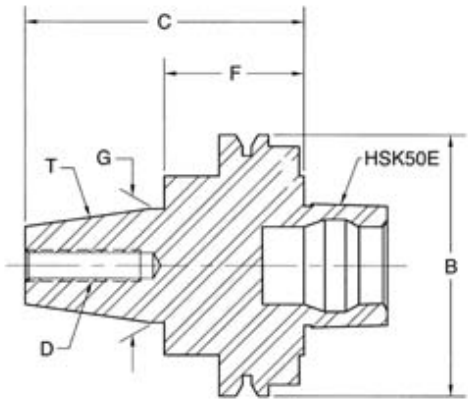


FIG. 3

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		B	C	D	F	G	T	MACHINE
50194	1	1-1/2	3	3/8-16RH	2-1/4	.85	19° 05' 06"	TG4
50354	1	1-1/2	3-3/8	M12X1.75RH	1-7/8	1.38	3.500	TG7/DM7
50192	1	1-1/2	3-3/8	M12X1.75RH	1-7/8	1.38	3.500	TG7/DM7
50178	2	2	3-1/2	M12X2.0RH	2-1/4	1.38	3.500	TG7/DM7
01150	3	80MM (3.15”)	3-7/16	M12X1.75RH	1-15/16	1.38	3.500	TG7/DM7
50193	1	1-1/2	3	M8X1.25RH	1-15/16	1.02	3.500	MG7/RG7/RGX
00497	1	1-1/2	3-23/32	M8X1.25RH	2-5/8	1.02	3.500	MG7/RG7/RGX

See ANCA spacers on page 75 and accessories on page 81 and 83.
See ANCA Mount/Dismount fixture on page 94.

SPINDLE MOUNTING BOLT AND LOCK WASHER SETS

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SOPKO CATALOG NO.	MACHINE	THREAD	LENGTH
00664	TG4 (00621)	3/8-16RH	2-3/4
00897	TG4 (00622)	3/8-16RH	4
01034	TG4 (00623)	3/8-16RH	1-3/4
01053	TG4 (00624)	3/8-16RH	3/4
01101	TG4 (00620)	3/8-16RH	4-1/2
00665	TG7/DM7	M12XP1.75RH	30MM (1.18”)
00667	TG7 (50163)	M12XP1.75RH	100MM (3.94”)
00666	MG7/RG7	M8XP1.25RH	30MM (1.18”)



00664



00666



00665



00667

RECESSED WASHERS

SOPKO CATALOG NO.	MACHINE	OD	ID	THICKNESS
00162	TG4	21MM (.83”)	10MM (.39”)	6MM (.24”)
00163	TG7/DM7	33MM (1.30”)	13MM (.51”)	7MM (.28”)
00164	MG7/RG7	22MM (.87”)	8.5MM (.33”)	15MM (.59”)



00164 **00163** **00162**

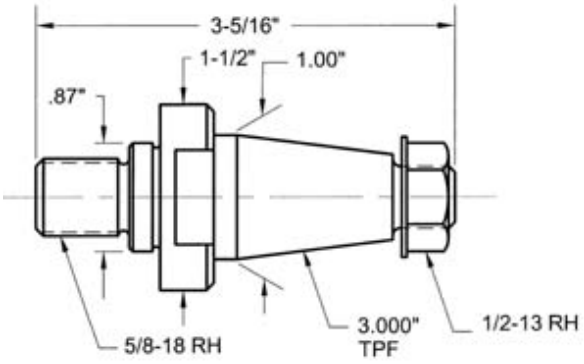
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

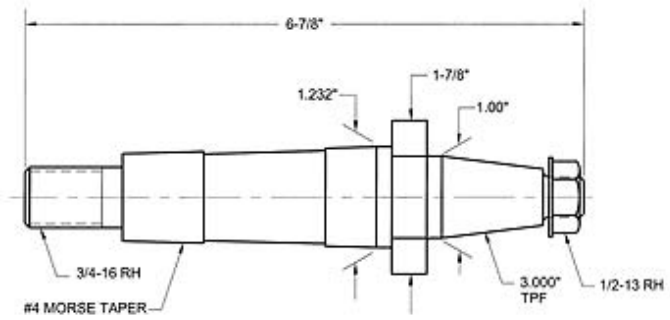
Spindle Conversion Quills.

The innovative Double-Taper Conversion Quill design offers the convenience and flexibility of using internal grinding spindles for external grinding applications. What a great tool to increase productivity and eliminate the cost and delay of making a special adapter! Sopko provides Double-Taper Quills to convert a wide variety of spindle types for use with Sopko standard adapters having a 3.000" TPF with 1.00" LE. Featuring two precision ground tapers for reliable spindle and adapter mounting, Sopko conversion quills are made from quality alloy steel, then heat treated for strength, long-life, and rigidity. Diameters and threads are ground for concentricity and squareness to optimize grinding conditions.

01450 Converts Heald 7-187 Straight Shank to 3" TPF, 1" LE



31019 Converts Heald #49 Taper to 3" TPF, 1" LE

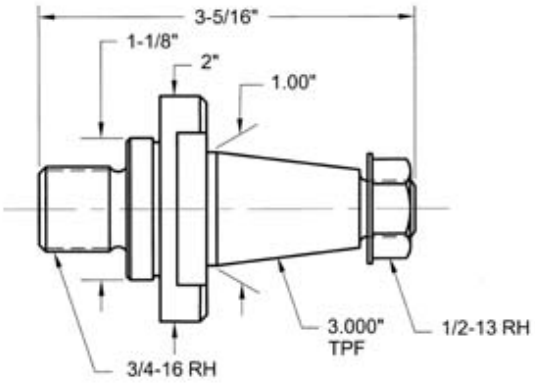


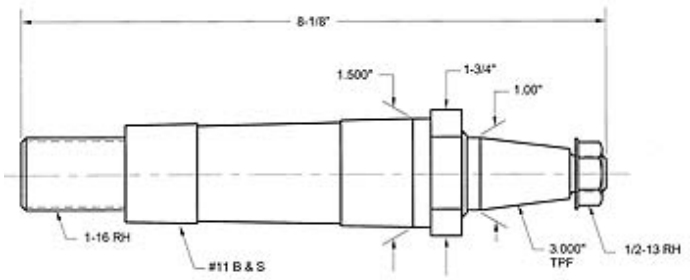
01381 Converts Heald 9-189 Straight Shank to 3" TPF, 1"

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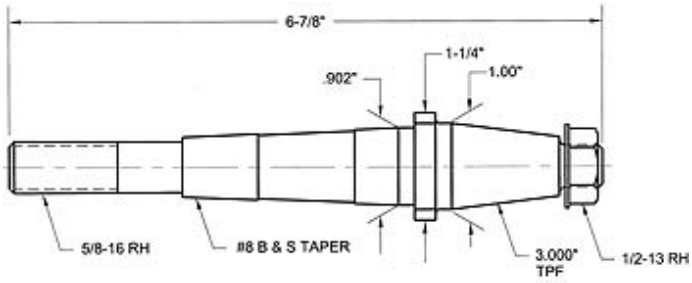
LE

40019 Converts Heald #51 Taper to 3" TPF, 1" LE

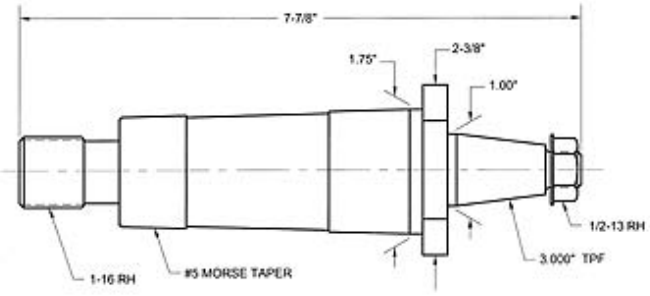




31018 Converts Heald #47 Taper to 3" TPF, 1" LE



01226 Converts Heald #53 Taper to 3" TPF, 1" LE



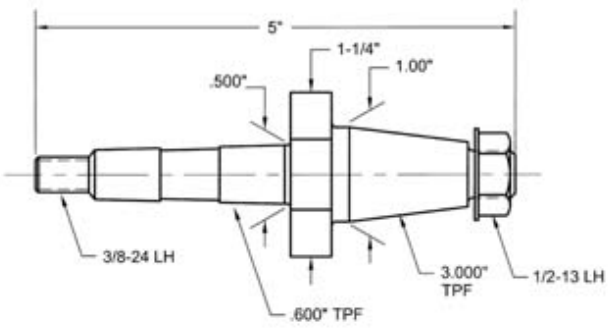
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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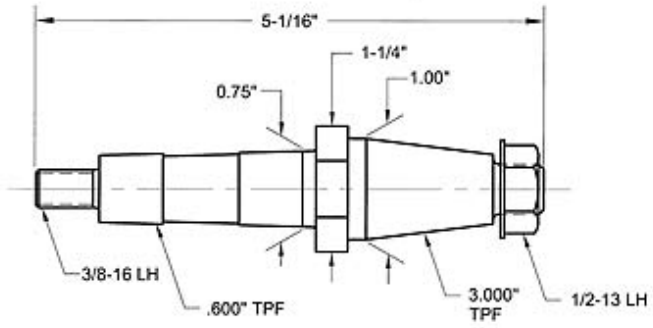
William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Spindle Conversion Quills.

40005 Converts 0.500 Jarno LH Taper to 3" TPF, 1" LE



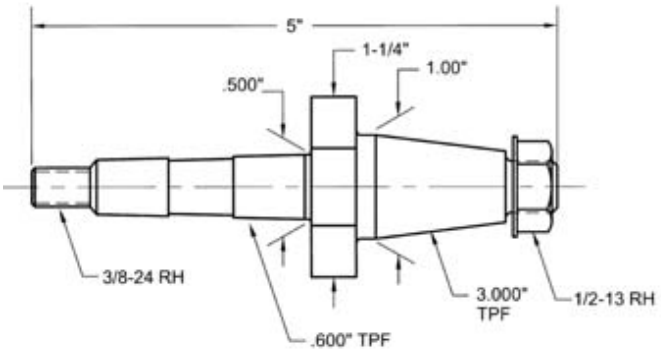
40009 Converts 0.750 Jarno LH Taper to 3" TPF, 1" LE



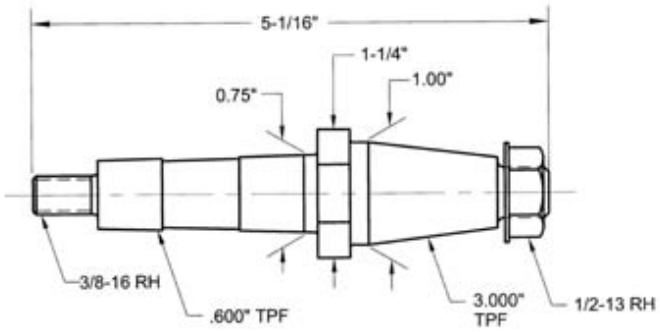
40006 Converts 0.500 Jarno RH Taper to 3" TPF, 1" LE

40010 Converts 0.750 Jarno RH Taper to 3" TPF, 1" LE

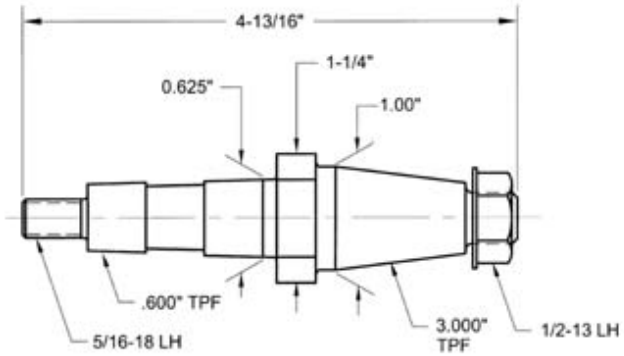
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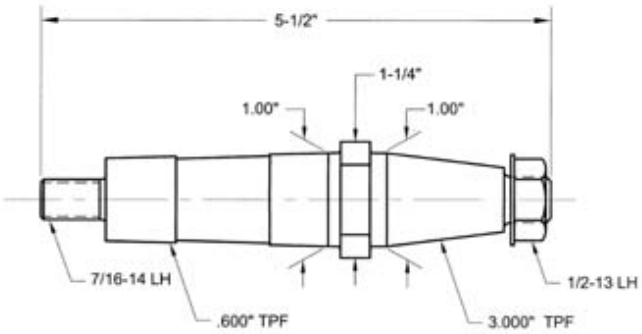
40007 Converts 0.625 Jarno LH Taper to 3" TPF, 1" LE



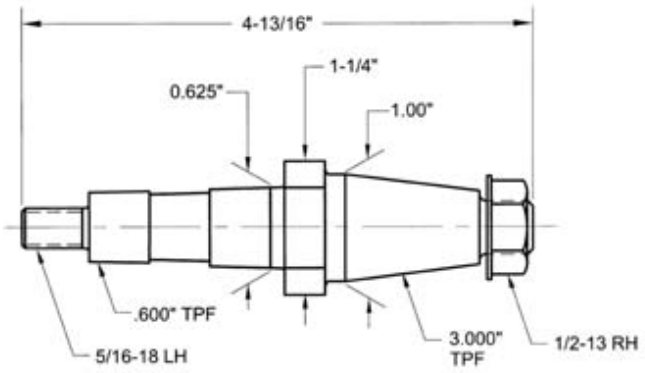
40001 Converts 1.000 Jarno LH Taper to 3" TPF, 1" LE

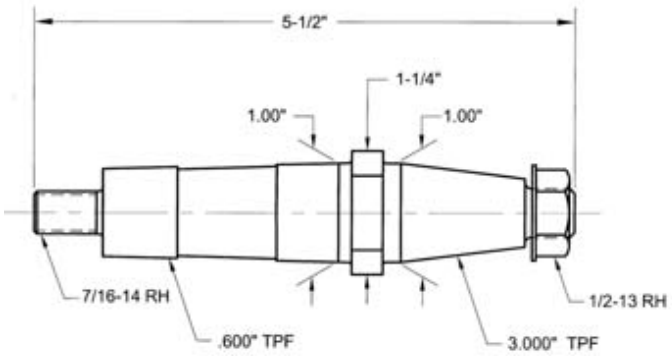


40008 Converts 0.625 Jarno RH Taper to 3" TPF, 1" LE



40000 Converts 1.000 Jarno RH Taper to 3" TPF, 1" LE





ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

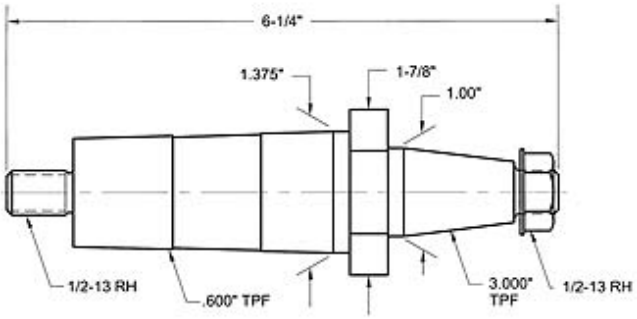
CAUTION!
Always Wear Safety Goggles When Griding.

Spindle Conversion Quills.

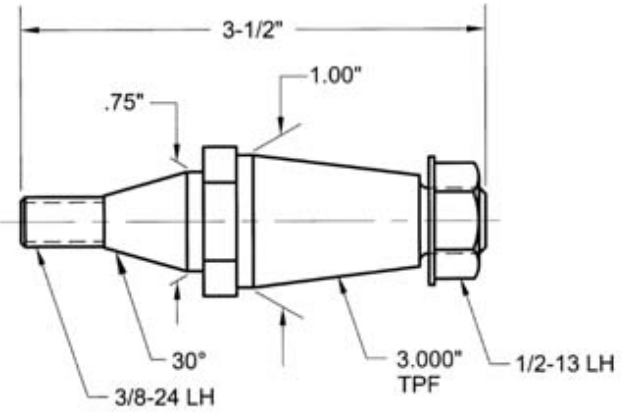
01172 Converts 1.375 Jarno RH Taper to 3" TPF, 1" LE

40017 Converts Cincinnati Monoset Taper to 3" TPF, 1" LE

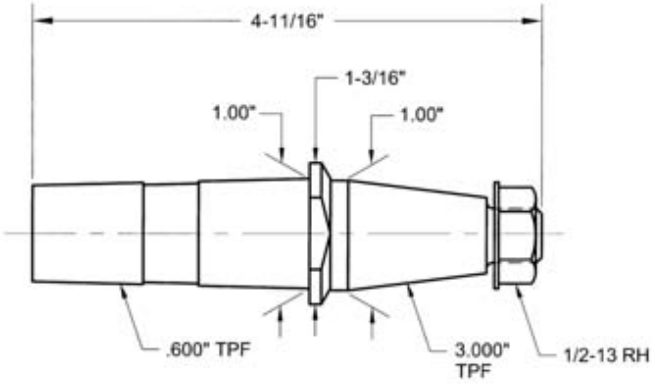
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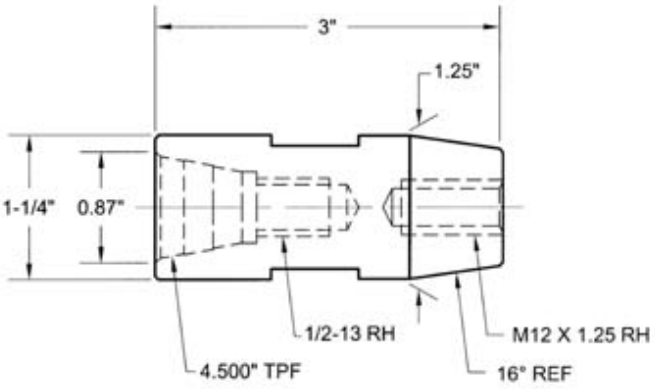
40012 Converts 1.000 Jarno PM to 3" TPF, 1" LE



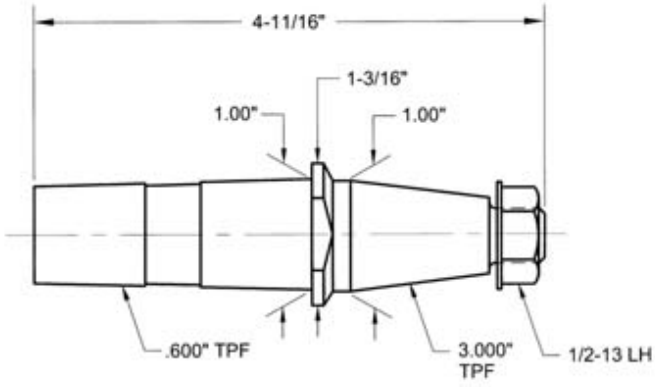
05338 Converts Older RH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE



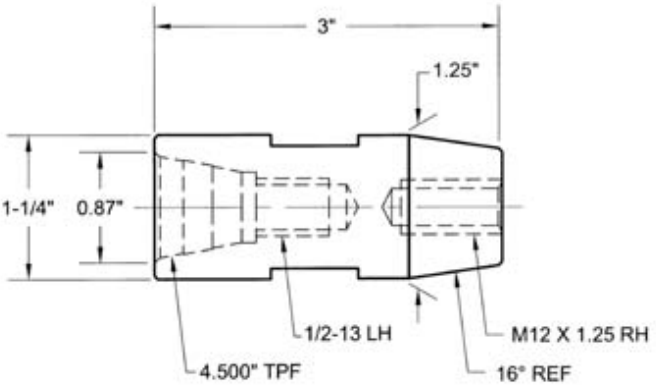
40014 Converts 1.000 Jarno PM to 3" TPF, 1" LE



50342 Converts Older LH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE

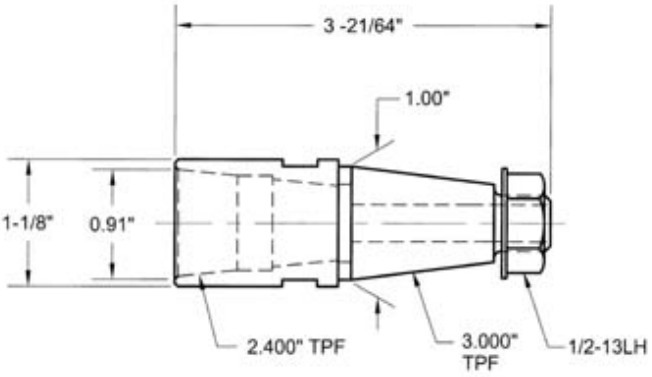


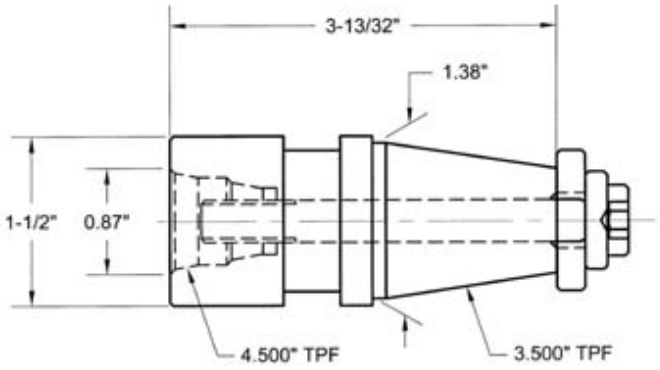
00962 Converts Walter NC50 Taper to 3" TPF, 1" LE



00914 Converts Newer RH Cincinnati 4.5" TPF, .87" LE to ANCA TG7 Taper

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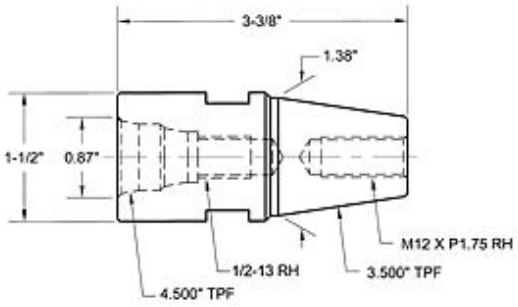


ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

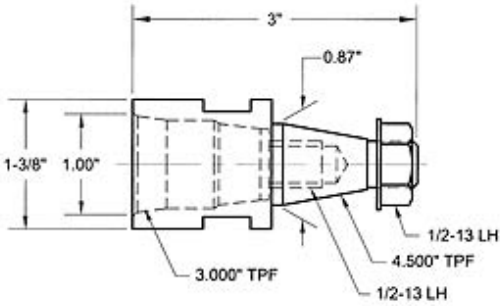
CAUTION!
Always Wear Safety Goggles When Griding.

Spindle Conversion Quills.

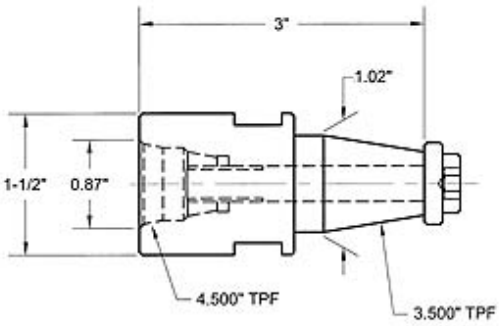
01118 Converts Older RH Cincinnati 4.5" TPF, .87" LE to ANCA TG7 Taper



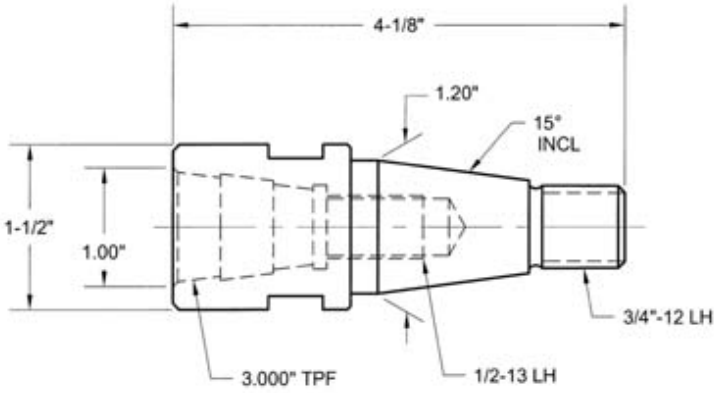
00322 Converts 3" TPF, 1" LE to Cincinnati 4.5" TPF, .87" LE



00489 Converts Newer RH Cincinnati 4.5" TPF, .87" LE to ANCA MG7 Taper



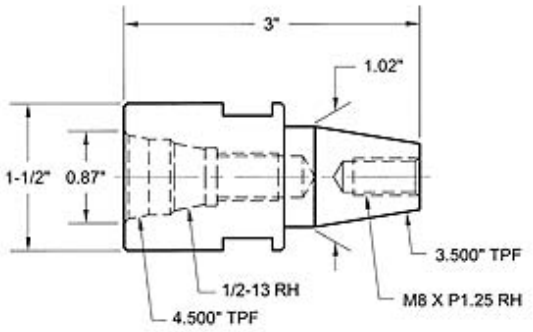
50324 Converts 3" TPF, 1" LE to Myford 15° Ref, 1.024" LE



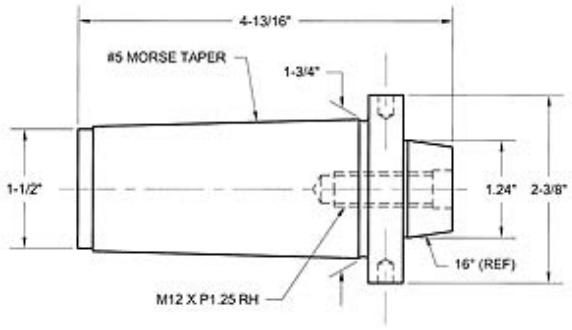
00809 Converts Older RH Cincinnati 4.5" TPF, .87" LE to ANCA MG7 Taper

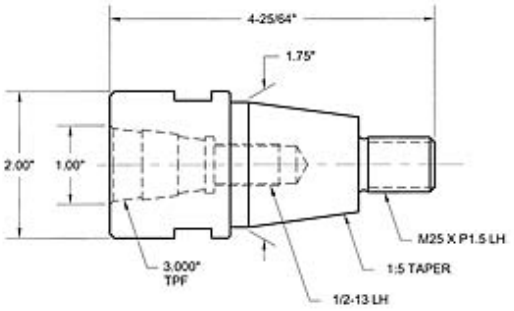
50325 Converts 3" TPF, 1" LE to Okamoto 1:5 Taper Ratio, 1.75" LE

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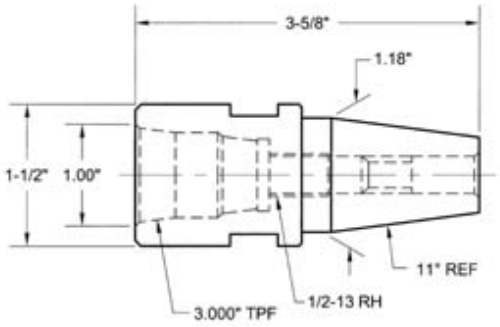


50348 Converts #5 Morse Taper to Walter 16° Ref, 1.25" LE





50366 Converts 3" TPF, 1" LE to Strausak 11° Ref, 30MM LE.

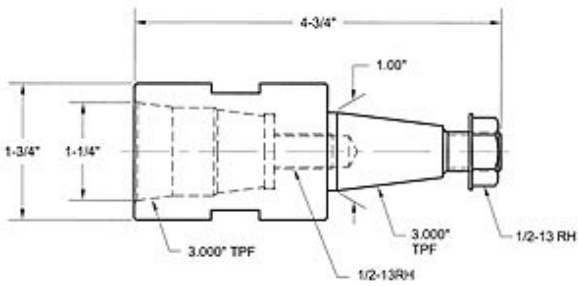


ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

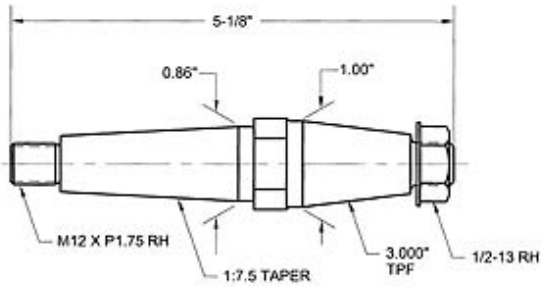
CAUTION!
Always Wear Safety Goggles When Griding.

Spindle Conversion Quills.

50312 Converts 3" TPF, 1.25" LE to 3" TPF, 1" LE



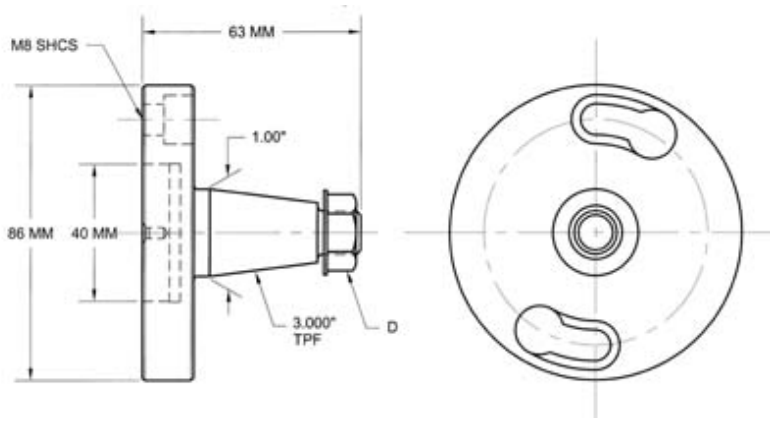
50190 Converts Schütte 1:7.5 Taper Ratio to 3" TPF, 1" LE



Converts Schütte WU400-5C RH Spindle to 3" TPF, 1" LE

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SOPKO CATALOG NO.	DIMENSIONS D
50045	1/2-13RH
50203	1/2-13LH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

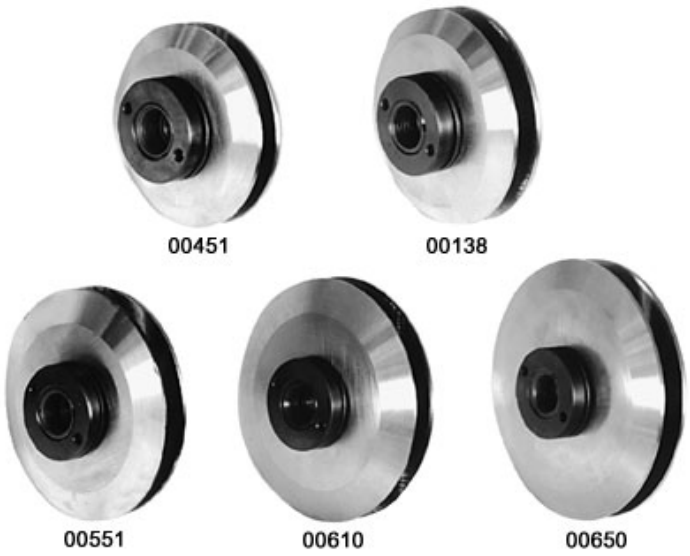
William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

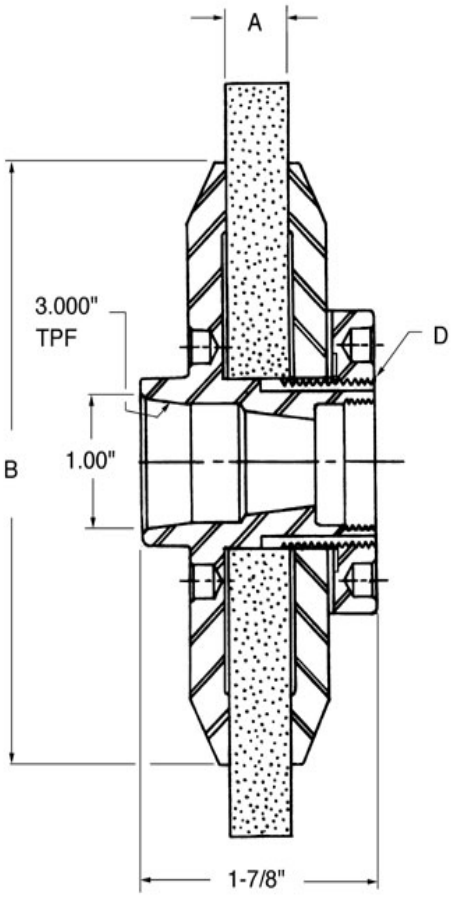
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Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. DESIGNED FOR THIN CUT-OFF WHEELS AND DIAMOND WHEELS.

Sopko flanged adapters are machined from alloy steel. The resulting one piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design, and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.





SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00451	4.5-1	0 to 1/2	4-1/2	1-1/4-16LH
00452	4.5-2	0 to 1/2	4-1/2	1-1/4-16RH
00138	5.0-1	0 to 1/2	5	1-1/4-16LH
00139	5.0-2	0 to 1/2	5	1-1/4-16RH
00551	5.5-1	0 to 1/2	5-1/2	1-1/4-16LH
00552	5.5-2	0 to 1/2	5-1/2	1-1/4-16RH
00610	6.0-1	0 to 1/2	6	1-1/4-16LH
00612	6.0-2	0 to 1/2	6	1-1/4-16RH
00650	6.5-1	0 to 1/2	6-1/2	1-1/4-16LH
00652	6.5-2	0 to 1/2	6-1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

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FOR 1.250" ID WHEELS.

All the quality features you expect from Sopko are built into these larger diameter flanged wheel adapters too...

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.



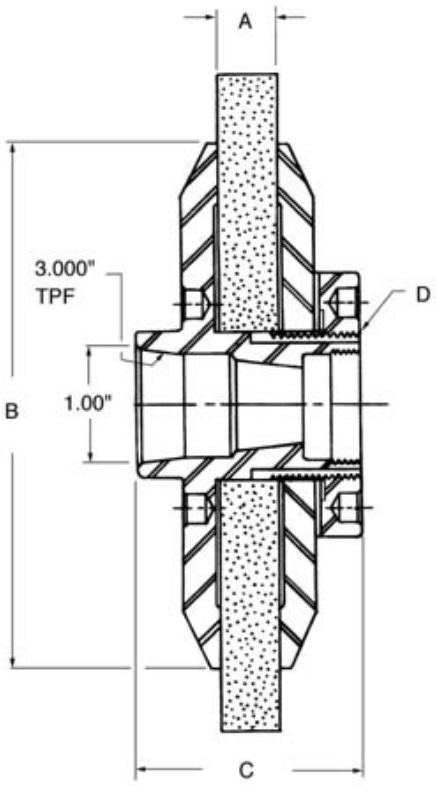


00710

(Front Side) **(Taper Side)**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00710 00712	7.0-1 7.0-2	0 to 1/2 0 to 1/2	7 7	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00750 00752	7.5-1 7.5-2	0 to 1/2 0 to 1/2	7-1/2 7-1/2	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00810 00812	8.0-1 8.0-2	0 to 1/2 0 to 1/2	8 8	2 2	1-1/4-16LH 1-1/4-16RH

See page 74 for available flanges.



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Standard Taper Reversible Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for
  BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper and are securely locked against loosening by the wheel rotation.
- Manufactured from quality steel to withstand the rigors of daily use, then HARDENED and GROUND.

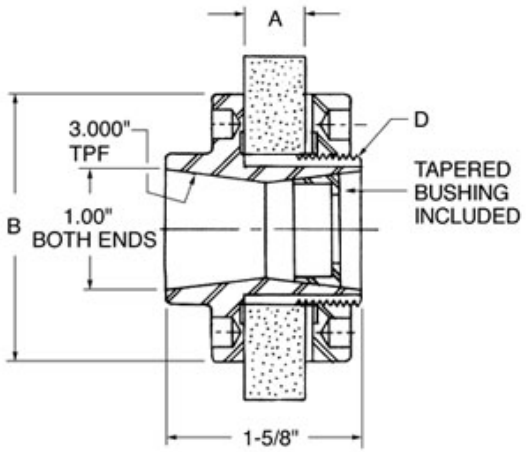
For use on all spindles having a 3.000" TPF with 1.00" diameter at large end of taper. Including: Boyar-Schultz, Bridgeport, Brown & Sharpe, DoAll, Excello, Foote Burt-Hammond, Harig, Norton, Parker Majestic, Pope, Reid, Sanford, Setco, Taft Pierce, and Whitnon.



A precision ground double-taper and removable bushing make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. LH thread is standard.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	D
00222	222RWA	1/4 to 1/2	2-1/4	1-1/4-16LH
00255	222RWA-R	1/4 to 1/2	2-1/4	1-1/4-16RH
00256	4.5-2RWA	0 to 1/2	4-1/2	1-1/4-16RH
00022	22-W	Replacement tapered bushing.		

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

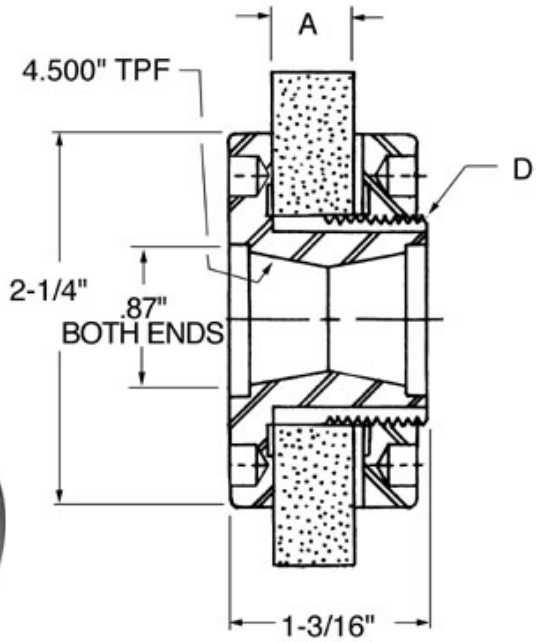
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Reversible Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way, without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper, and are securely locked against loosening by the wheel rotation. Manufactured from quality steel, then HARDENED AND GROUND to withstand the rigors of daily use.



CINCINNATI TAPER "OLD STYLE" REVERSIBLE WHEEL ADAPTER.
A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the older Cincinnati flat belt center drive spindles, the adapter comes complete with a 1/2-13LH 06074 and a 1/2-13RH 06073 slotted spindle nut.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D

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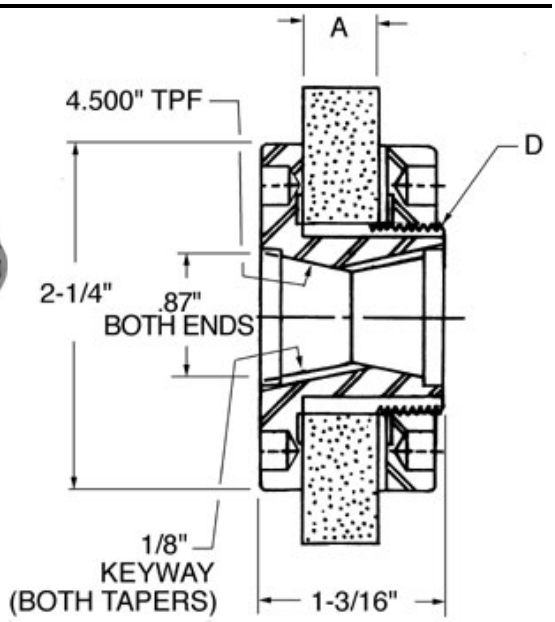
00122	122RWA	1/4 to 1/2	1-1/4-16RH

CINCINNATI TAPER "NEW STYLE" REVERSIBLE WHEEL ADAPTER.

A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. The adapter comes complete with a 3/8-16RH mounting bolt 14362.



00123



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D
00123	122CRWA	1/4 to 1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Wickman OPG and Sheffield Micro-Form Grinders.

3.500" TPF WITH .56" DIAMETER AT LARGE END OF TAPER.
FOR .750" AND 1.250" ID WHEELS.

Designed for the Wickman OPG Grinder and the Sheffield 121, 122, and 122A Micro-Form Grinder, these adapters feature a one piece hub design to distribute mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock. For optimum micro finishes, all surfaces have been ground concentric and square. A precision taper makes spindle mounting reliable, and the heat treated hub and nut assures long-life and safe operation. Spindle uses a 5/16-24LH spindle nut 05335 (not furnished).

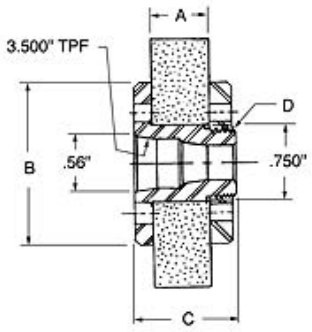


FIG. 1



00676 00677 00678

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS A	B	C	D

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00676*†	1	A-12930-3/4	1/2	1-7/8	1	11/16-24LH
00677*	2	A-12930-2	1/2	2	1-1/32	1-1/4-16LH
00678*	2	A-12930-3-1/4	1/16 to 1/4	3-1/4	1	1-1/4-16LH

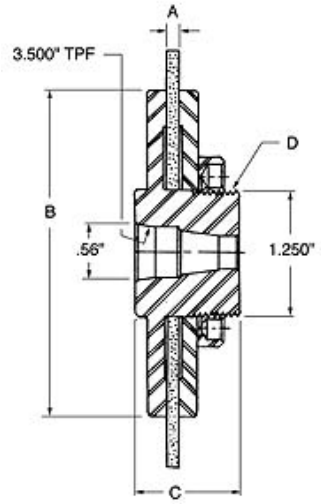


FIG. 2

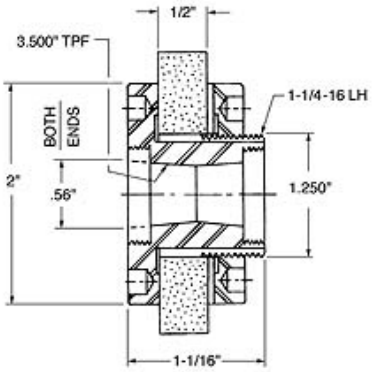
See page 74 for accessory flanges.
*Older style Wickman grinders.
†With 11/16-24LH adapter nut 04284.

This precision ground double-taper reversible adapter is designed for the Wickman OPG Grinder and the Sheffield 121, 122, and 122A Micro-Form Grinder. The adapter is furnished with a 5/16-24LH special tapered hex spindle nut 05105.

SOPKO CATALOG NO.
50074



50074



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Wickman OPG and Sheffield Micro-Form Grinders.

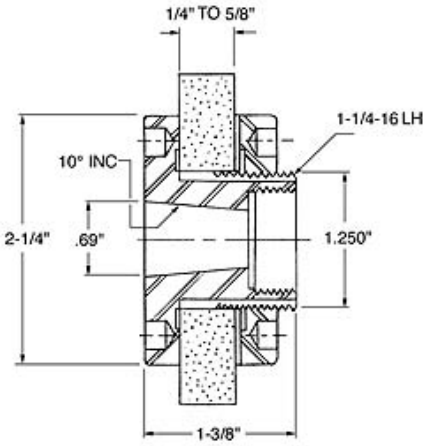
10° INC ANGLE TAPER WITH .69" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

For newer style Wickman Grinders.

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01020



SOPKO CATALOG NO.	SOPKO PART NO.
01020	S102

01021 (S102RWA) WICKMAN REVERSIBLE WHEEL ADAPTER. Ideal for diamond wheel use, this adapter has a precision ground double-taper to make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle taper.

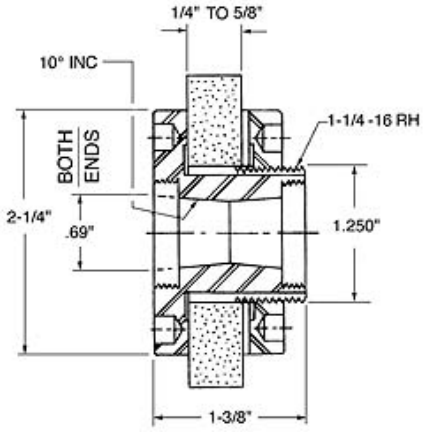


(Front Side)



01021

(Rear Side)



SOPKO CATALOG NO.	SOPKO PART NO.
01021*	S102RWA

* Newer style Wickman grinders.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Wasino Grinders (Older Style Machines).

15° INC ANGLE TAPER WITH .71" AND .66" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

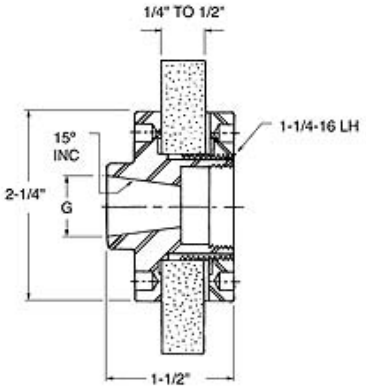
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(Front Side)



00967 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS G
00967*	S108	.66
00968**	S109	.71

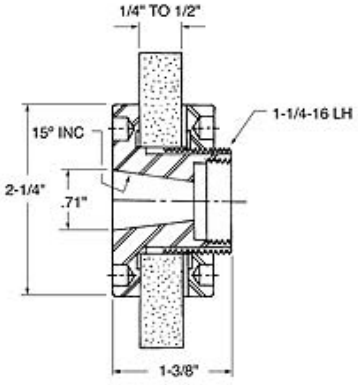
*Designed for the GLS-125 grinder.
**Designed for the GLS-125A grinder.



(Front Side)



00969 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.
00969**	S109TI

**Designed for the GLS-125A grinder.

The WASINO REVERSIBLE WHEEL ADAPTER features a precision ground double-taper to make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle taper.

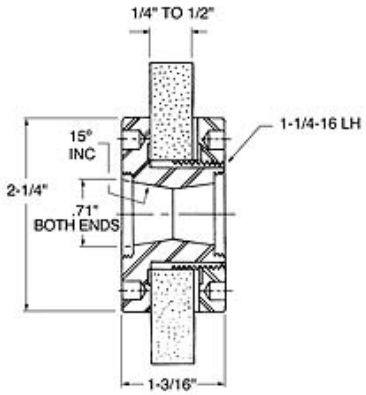


(Front Side)



00970 (Taper Side)

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SOPKO CATALOG NO.	SOPKO PART NO.
00970**	S109RWA

**Designed for the GLS-125A grinder.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Tools and Accessories for Wheel Adapters.

MOUNT-DISMOUNT FIXTURES FOR STANDARD TAPER ADAPTERS.

Sopko standard taper mount-dismount fixtures are uniquely designed to install or remove grinding wheels from adapters. Fast and convenient, these fixtures reduce grinding wheel breakage and eliminate potential damage to precision adapter tapers that often result when conventional methods are used.



SOPKO CATALOG NO.

05246

05246

05246 Designed to be permanently bench mounted or temporarily vise-jaw mounted, the device features two hardened dowels that engage spanner holes in the adapter flange face. With the adapter held securely in place the hub nut can be turned with the Sopko combination spanner and hex socket wrench, 35135. 3.000" TPF, 1.00" LE male taper. Furnished with 1/2-13RH hex spindle nut. Black oxide finish. 2-11/16" OD, 2-3/8" high. Fits most standard taper adapters.



SOPKO CATALOG NO.

05247

05247

05247 Similar to the 05246 above with two hardened dowels that engage spanner holes in the adapter flange face, but designed to fit most **long extended** adapters. Black oxide finish. 3-1/2" OD, 2-1/8" high.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Tools and Accessories for Wheel Adapters.

MOUNT-DISMOUNT FIXTURES FOR ANCA ADAPTERS.

This Sopko innovation is designed for the ANCA TG7/DM7, MG7/RG7, and TG4 Fastgrind machine family. Now, you can safely and efficiently mount and dismount wheel-packs without damaging expensive grinding wheels. And, you can continue to operate your machine, producing product, while grinding wheel changes are being made!

05245 Designed for the ANCA TG7 and DM7 machines, the fixture is furnished complete with a 5-1/2" diameter base-plate and two T-handle locking pins 00906. The base-plate is designed to be bolted to a workbench through two 3/8" drill holes on the outer insert surface. T-handle pins secure the TG7/DM7 adapter in the 3" base ID by engaging the adapter hub OD holes through holes on the insert OD. This efficient locking mechanism allows the machine operator to mount or dismount grinding wheel-packs quickly and safely.
(ANCA Part No. ICN-3113-0001.)



00077 This optional insert, supplied with two 1/4" SHCS 02665, attaches to the 05245 base-plate shown above to mount or dismount wheel-packs on TG4 adapters. With the insert securely installed, the T-handles 00906 firmly and quickly engage the TG4 adapter hub OD holes through two holes on the insert OD.
(ANCA Part No. ICN-3113-0002.)



00072 This optional insert, furnished with two 1/4" SHCS 02665 and a shoulder bolt 02666 attaches to the 05245 base-plate shown above to mount or dismount MG7/RG7 wheel-packs. The insert is securely held with 1/4" SHCS and the adapter hub is locked to the fixture with the shoulder bolt. Two set screws 00973 in the insert gently contact the MG7/RG7 hub flats to prevent rotation as pressure is applied.

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(ANCA Part No. ICN-3113-0003.)

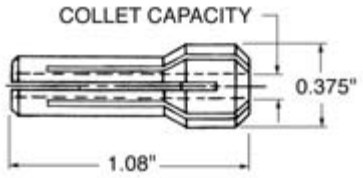
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Double Angle Collets and Collet Nuts.

Series 200 and 300.

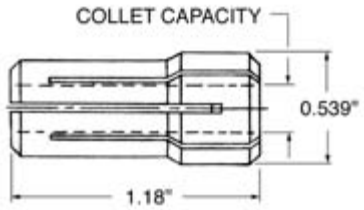


300 SERIES - RANGE 1/32" TO 1/4"

SOPKO CATALOG NO.	COLLET CAPACITY
20058	1/32
20059	3/64
20060	1/16
20061	5/64
20062	3/32
20063	7/64
20064	1/8
20065	9/64
20066	5/32
20067	11/64
20068	3/16
20069	13/64
20070	7/32
20071	15/64
20072	1/4
20189	SLEEVE
20073	NUT



Collet



200 SERIES - RANGE 3/64" TO 25/64"

SOPKO CATALOG NO.	COLLET CAPACITY
20074	3/64
20075	1/16
20076	5/64
20077	3/32
20078	7/64
20079	1/8
20080	9/64
20081	5/32
20082	11/64
20083	3/16
20084	13/64
20085	7/32
20086	15/64
20087	1/4
20088	7/64
20089	9/32
20090	19/64
20091	5/16
20092	21/64
20093	11/32
20094	23/64
20095	3/8
20096	25/64
20190	SLEEVE
20097	NUT



Sleeve

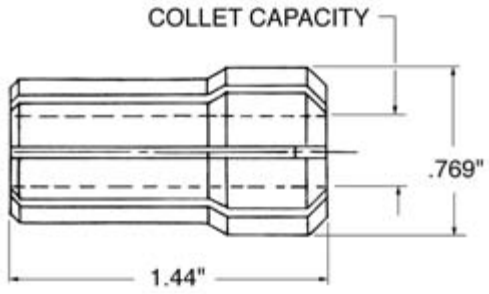


Nut

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Double Angle Collets and Collet Nuts.

Series 100.



SERIES 100 - RANGE 3/64" TO 9/16"

SOPKO CATALOG NO.	COLLET CAPACITY
20098	3/64
20099	1/16
20100	5/64
20101	3/32
20102	7/64
20104	9/64
20105	5/32
20106	11/64
20107	3/16
20108	13/64
20109	7/32
20110	15/64
20111	1/4
20112	17/64
20113	9/32
20114	19/64
20115	5/16
20116	21/64
20117	11/32
20118	23/64
20119	3/8
20120	25/64
20121	13/32
20122	27/64
20123	7/16
20124	29/64
20125	15/32
20126	31/64
20127	1/2
20128	33/64
20129	17/32
20130	35/64
20131	9/16
20191	SLEEVE
20132	NUT



Collet



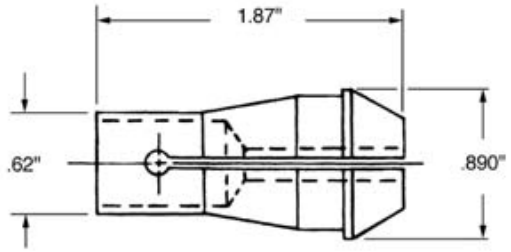
Sleeve



Nut

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Double Taper Collets and Collet Nuts.*
SERIES 1000 and 2000.





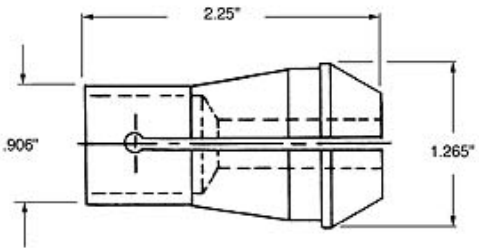
20143



20158

SERIES 1000 - RANGE 1/8" TO 1/2"

SOPKO CATALOG NO.	COLLET CAPACITY
20143	1/8
20147	3/16
20151	1/4
20152	17/64
20153	5/16
20154	21/64
20155	3/8
20156	13/32
20158	7/16
20161	1/2
20162	NUT





20193



20141



SERIES 2000 - RANGE 1/16" TO 3/4"

SOPKO CATALOG NO.	COLLET CAPACITY
20193	1/16
20192	1/8
20135	5/16
20136	3/8
20137	7/16
20138	1/2
20139	9/16
20140	5/8
20141	3/4
20142	NUT

* All sizes subject to manufacturers' availability.

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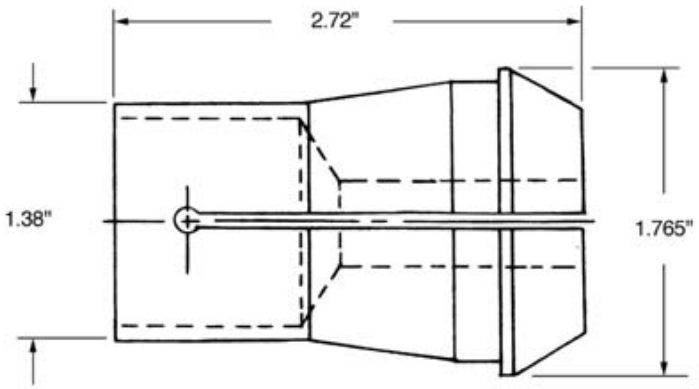
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Double Taper Collets and Collet Nuts.*

SERIES 3000.





20164



20175

SERIES 3000 - RANGE 3/8" TO 1-1/4"

SOPKO CATALOG NO.	COLLET CAPACITY
20164	25/64
20165	13/32
20167	17/32
20170	5/8
20171	11/16
20173	23/32
20174	3/4
20175	25/32
20178	27/32
20179	7/8
20180	29/32
20181	1
20182	1-1/16
20184	1-1/8
20185	1-3/16
20186	1-1/4
20187	NUT



20186



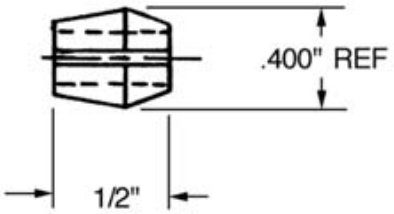
20187

* All sizes subject to manufacturers' availability.

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Double Taper Collets and Collet Nuts.*

Series 4000 and 5000.



4000 SERIES - RANGE 1/16" TO 9/32"

SOPKO CATALOG NO.	COLLET CAPACITY
20000	1/16
20001	5/64
20002	3/32
20003	7/64
20004	1/8
20005	9/64
20006	5/32
20007	11/64
20008	3/16
20009	13/64
20010	7/32
20011	15/64
20012	1/4
20200	9/32
20013	NUT



20004



20000



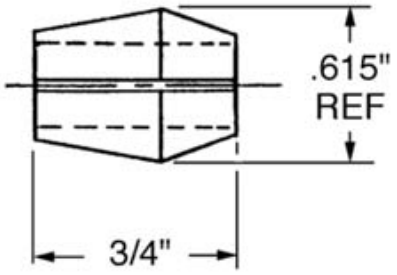
20008



20012



20013



5000 SERIES - RANGE 1/8" TO 3/8"

SOPKO CATALOG NO.	COLLET CAPACITY
20014	1/8
20015	9/64
20016	5/32
20017	11/64
20018	3/16
20019	13/64



20014



20018



20022

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20020	7/32
20021	15/64
20022	1/4
20023	17/64
20024	9/32
20025	19/64
20026	5/16
20027	21/64
20028	11/32
20029	23/64
20030	3/8
20031	NUT



20030



20031

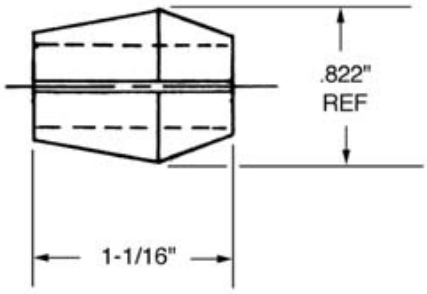
* Available in metric, letter, and number sizes within range.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Double Taper Collets and Collet Nuts.*

Series 6000.



6000 SERIES - RANGE 1/8" TO 1/2"

SOPKO CATALOG NO.	COLLET CAPACITY
59100	1/8
59101	9/64
59102	5/32
59103	11/64
59104	3/16
59105	13/64
59106	7/32
59107	15/64
59108	1/4
59109	17/64
59110	9/32
59111	19/64
59112	5/16
59113	21/64
59114	11/32
59115	23/64
59116	3/8
59117	25/64
59118	13/32
59119	27/64
59120	7/16
59121	29/64
59122	15/32
59123	31/64
59124	1/2
59125	NUT



59100



59108



59112



59116



59120



59125

*Available in metric, letter, and number sizes within range.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

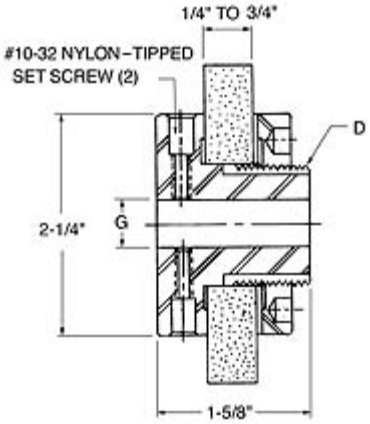
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Straight Bore Wheel Adapters.

WITH .500", .625", AND .750" BORES.
FOR 1.250" ID WHEELS.



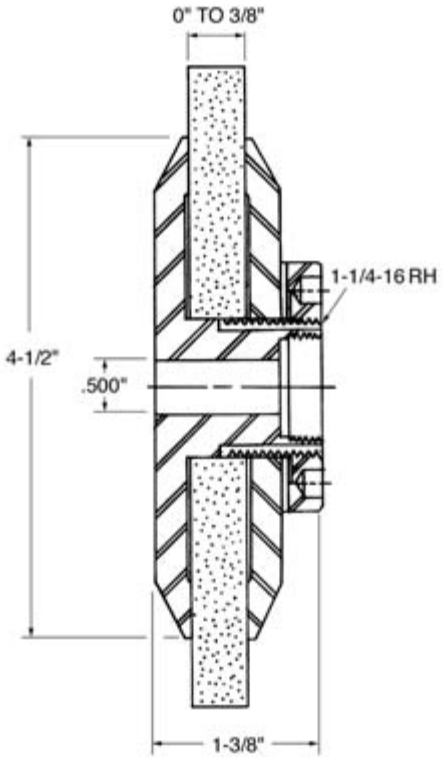
00147



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		D	G
00147	S117-1/2-1	1-1/4-16LH	0.500
00148	S117-1/2-2	1-1/4-16RH	0.500
00149	S117-5/8-1	1-1/4-16LH	0.625
00150	S117-5/8-2	1-1/4-16RH	0.625
00151	S117-3/4-1	1-1/4-16LH	0.750
00152	S117-3/4-2	1-1/4-16RH	0.750



00153



SOPKO CATALOG NO.	SOPKO PART NO.
00153*	DM4.5-2

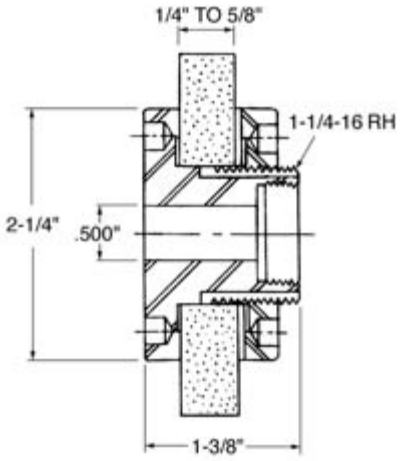
*Designed to be used on the Dumore 5X350 external wheel spindle and perfect for thin diamond wheels.

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SOPKO CATALOG NO.	SOPKO PART NO.
00154**	DM200-2



00154



**Designed to be used on the Dumore 5X350 external wheel spindle.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Sopko Cartridge Insert Spindle for Internal and External Grinding.

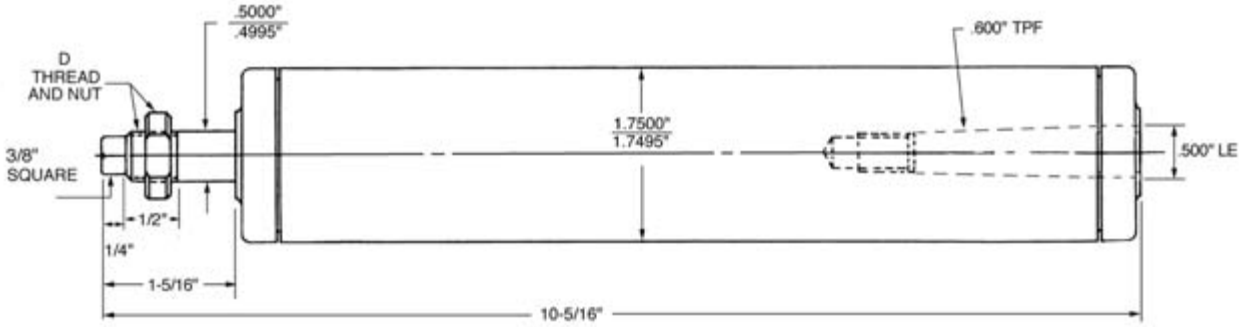
THREE BEARING DESIGN PROVIDES MAXIMUM VIBRATION DAMPENING FOR ID GRINDING.
INSERTS AND ACCESSORIES ALLOW YOU TO DO BOTH OD AND ID GRINDING.
HEAVY DUTY REPLACEMENT SPINDLE FOR SERIES 5, 55, AND 57 DUMORE TOOL POST GRINDERS.
ALSO IDEAL FOR CUTTING COMMUTATORS, ARMATURES, AND CARBIDE.

01247 (500T300) FEATURES AND SPECIFICATIONS:

- Made with ABEC 7 precision bearings.
- 32,500 RPM maximum.
- Grease sealed lubrication allows for horizontal or vertical operation.
- Duplex wheel end bearing. Two precision matched bearings spaced for optimum rigidity. Duplex bearings eliminate end-play and prevent movement at the wheel end of the spindle.
- Spindle assembly dynamically balanced for smooth operation at all spindle speeds.
- Spindle housing machined from solid bar stock for rigidity even after thousands of hours of operation.
- Nilos rings on bearing races help keep out dirt, abrasive particles and coolant, and hold grease in bearings by forming a complete labyrinth seal prolonging bearing life.
- Maximum spindle runout .0001 T.I.R.
- Floating pulley end bearing floats against spring tension to permit thermal expansion of the shaft.
- Unit net weight 5.15 lb. Shipping weight 6 lb.



01247



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
01247	500T300	1/2-20RH
01222	-	1/2-20LH

Maintain safe speeds, refer to grinding wheel manufacturers' instructions and ANSI B7.1 or DIN 69170 safety standards.
See our complete line of accessories on page 103 and 104.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Sopko Cartridge Spindle 3.000” TPF
With 1.00” Diameter at Large End of Taper.

FITS ANY 1-3/4" OR 2" DIAMETER HOUSING, INCLUDING CURRENT SERIES 57 AND OLDER OBSOLETE SERIES 5, 55, 7, AND 77 DUMORE TOOL POST GRINDERS. LARGE BEARING DESIGN SUPPORTS THE STANDARD TAPER MAKING IT IDEAL FOR GRINDING CARBIDE.

These Sopko cartridge spindles are machined from solid bar stock for complete rigidity, even after thousands of hours of operation. An ultra-precision replacement spindle with oversized nose bearing design to provide maximum support of the tapered shaft. Two pair of ABEC 7 bearings are spaced for optimum rigidity. The end bearing floats against spring tension to permit thermal expansion of the shaft during operation. Grease-packed bearings require no additional lubrication.

Features and specifications:

- Made with ABEC 7 precision bearings.
- 7,200 rpm maximum.
- Grease sealed lubrication allows for horizontal or vertical operation.
- Duplex wheel-end bearing design.
- Spindle assembly dynamically balanced.
- Spindle housing machined from solid bar stock for rigidity and strength.



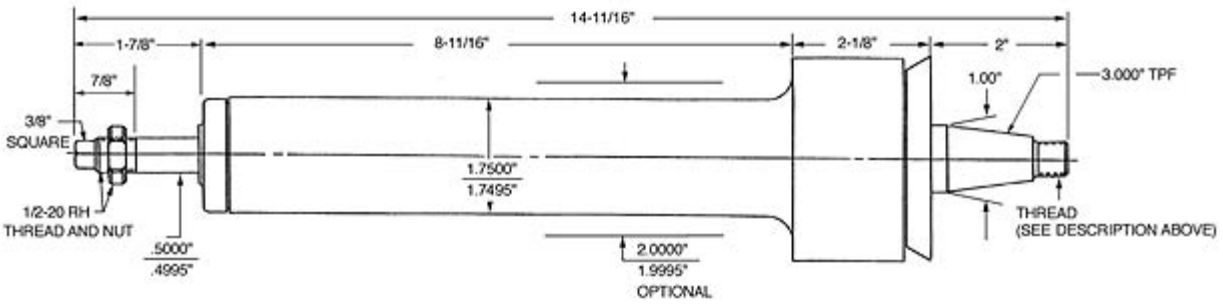
01179 (285-003-0012RH) 1-3/4" diameter barrel. Furnished with 1/2-13RH hex spindle nut. Unit net weight 9.65 LB. Shipping weight 12 LB.

01180 (285-003-0012LH) 1-3/4" diameter barrel. Furnished with 3/8-16LH hex spindle nut. Unit net weight 9.65 LB. Shipping weight 12 LB.

01181 (285-003-0010RH) 2" diameter barrel. Furnished with 1/2-13RH hex spindle nut. Unit net weight 11.5 LB. Shipping weight 14 LB.

01182 (285-003-0010LH) 2" diameter barrel. Furnished with 3/8-16LH hex spindle nut. Unit net weight 11.5 LB. Shipping weight 14 LB.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com



Maintain safe speeds, refer to grinding wheel manufacturers' instructions, ANSI B7.1 or DIN 69170 safety standards.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Sopko High Speed Attachment.

INCREASE THE USE OF YOUR SURFACE GRINDER.
USED ON HARIG, REID, K.O. LEE, PARKER MAJESTIC, AND MANY MORE.



08000

08000 Used to finish radii on dies or other parts requiring small contour grinding, this unit is perfect for the tool room, job shop, or any number of occasional use applications. Designed for long life and heavy use, the Sopko High Speed Attachment kit increases the productivity of your surface grinder. When attached, it's like having an extra machine in the shop at only a fraction of the cost. The center distance between the surface grinder spindle and the attachment spindle is held to a minimum with our latest bracket design. The attachment spindle is shorter in length than competitive units, allowing maximum over-table use horizontally or vertically. The High Speed Attachment is furnished as a complete kit including all standard items listed below. Unit net weight 30.1 LB. Shipping weight 34 LB.



Standard unit includes:

08001	Bracket.
08002	3" Diameter eccentric bushing for Harig, Reid No. 2, K.O. Lee, Parker Majestic, Hammond No. 2, and others with 3" diameter spindles.
08003	17,500 RPM grease lubricated spindle with 1-3/16" diameter pulley.
08004	5-9/16" Diameter flat belt pulley.
00200	(200-1) Adapter. Pulley is mounted on the adapter and balanced.
10197	5/8" X 20-1/4" Sopko flat belt (2 pcs).
00630	(630) 11/16" Open end wrench for series 4000 collet chuck nut.
00631	(603A) 5/8" Open end wrench for collet chuck quill wrench flat.
00640	(604A) 3/4" Open end wrench for end of spindle.
08005	1/8" Short arm hex wrench.
08006	1/4" Short arm hex wrench.
35135	Spanner-socket wrench.
08007	Wooden storage box.

Maintain safe speeds, refer to grinding wheel manufacturers' instructions and ANSI B7.1 or DIN 69170 safety standards.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Optional Accessories for Sopko High Speed Attachment.

The Sopko High Speed Attachment provides higher speeds than would ordinarily be obtained with other spindles. Capable of being mounted in any position about its axis, the unit attaches quickly and easily to the spindle housing and is held securely by two clamping screws. The drive pulley assembly is mounted and balanced on a wheel adapter 00200. Made from quality alloy steel, heat treated for strength, and precisely ground to maximize surface contact, the variety of eccentric bushings increases the unit's versatility. And Sopko quality does not stop with the High Speed Attachment, it extends right into the most varied selection of grinding quills available anywhere.



29707



29709



Jarno taper quill extensions available.*
Ask for brochure No. 49948.



08010

Optional accessories:*
29707 625 Jarno LH collet chuck quill furnished with 4000 series nut, 1/8", and 1/4" collets.
29709 625 Jarno LH collet chuck quill furnished with 5000 series collet nut only.
08010 3-1/8" Eccentric bushing for Boyar-Schultz No. 6 x 12.
08009 3-1/4" Eccentric bushing for Brown & Sharpe No. 2.
08011 80MM Eccentric bushing.

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Maintain safe speeds, refer to grinding wheel manufacturers' instructions and ANSI B7.1 or DIN 69170 safety standards.
See page 97 for series 4000 and 5000 collets (specify size).
*Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.



CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

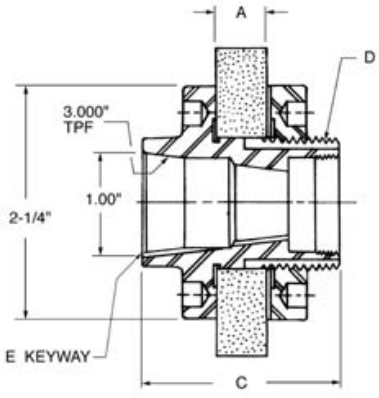
Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.



00345 **00348** **00366**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSION			
		A	C	D	E
00345	EN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00346	EN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00347	EN100-1C	3/4	1-7/8	1-1/4-16LH	-
00348	EN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00349	EN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00350*	ENA200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00351*	ENA200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00352**	ENK200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00353**	A2031-1	1/8 to 5/8	1-3/4	1-1/4-16LH	-
00355	EN200-1C	1/2	1-3/4	1-1/4-16LH	-
00364	EN300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00365	EN300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00368	EN300-1C	1	2-1/4	1-1/4-16LH	-
00369	EN300-2C	1	2-1/4	1-1/4-16RH	-
00356	A2031-2	3/8 to 1	2-1/4	1-1/4-16LH	-
00366	EN300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00367	EN300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00370	A2031-5	3/8 to 1-1/2	2-11/16	1-1/4-16LH	-



Electroless nickel plating available on all Sopko adapters at additional cost.
*Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.
** Keyway to face.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

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FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.
Sopko

Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.

- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.





00373 00377

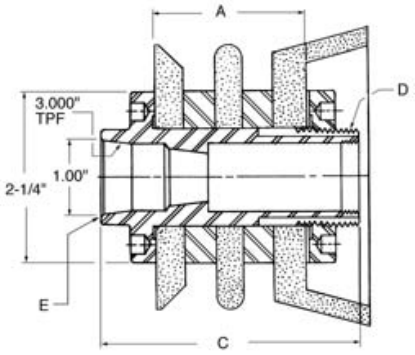


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00371	1	EN400-1A	2	3-3/16	1-1/4-16LH
00372	1	EN400-2A	2	3-3/16	1-1/4-16RH
00373	1	EN400-1B	1 to 2	3-3/16	1-1/4-16LH
00374	1	EN400-2B	1 to 2	3-3/16	1-1/4-16RH
00376	1	EN500-1A	3	4-3/16	1-1/4-16LH
00377	1	EN500-1B	2 to 3	4-3/16	1-1/4-16LH
00378	1	A2031-4	1-3/4 to 3	4-3/16	1-1/4-16LH
00379	1	EN600-1A	4	5-3/16	1-1/4-16LH
00357	2	EN200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH

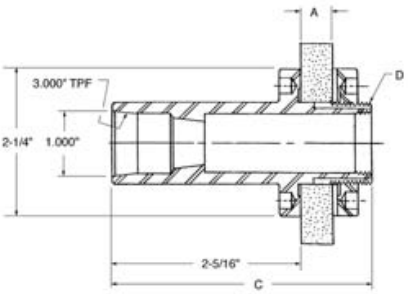


FIG. 2

Electroless nickel plating available on all Sopko adapters at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a

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uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.



01112



00651



00358



00360

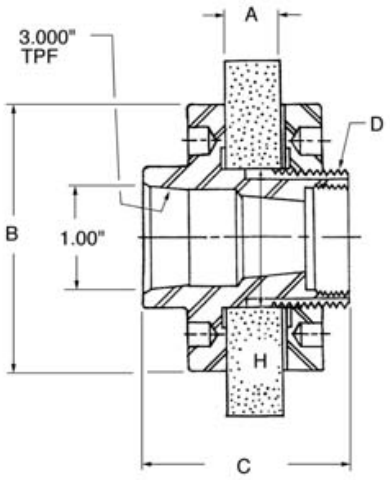
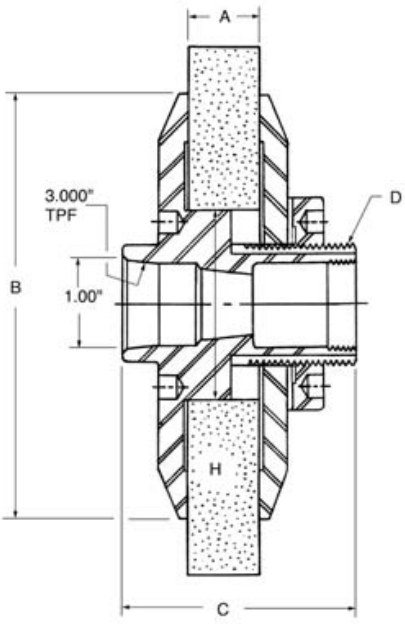


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250
00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250



Electroless nickel plating available on all Sopko adapters at additional cost.

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*Balancing style adapter.

FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Standard Taper Male Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

SHORT MALE EXTENSIONS provide increased utility because grinding wheels already mounted do not need to be dismounted. This feature is especially useful when grinding with diamond wheels. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut. A 1-1/8” wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

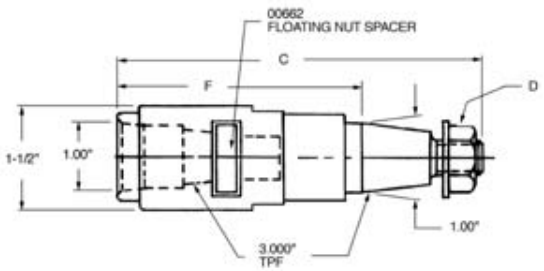


00237

LONG MALE EXTENSIONS are designed for even greater clearance possibilities with their added reach. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut.



00257



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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F
00237	200-3-1/2LH	5-1/4	1/2-13LH	HEX 3-1/2
00238	200-3-1/2RH	5-1/4	1/2-13RH	HEX 3-1/2
00257	200-5LH	6-5/8	1/2-13LH	HEX 4-7/8
00258	200-5RH	6-5/8	1/2-13RH	HEX 4-7/8

* See page 76 for available hex spindle nut sizes.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.



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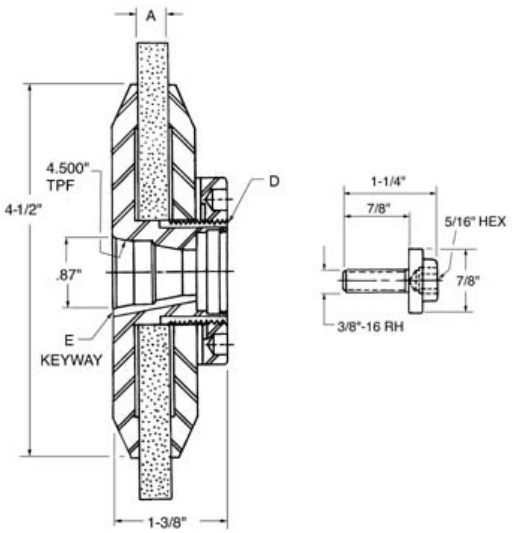
Cincinnati Taper Flanged and Cup Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

Sopko flanged adapters are machined from forged alloy steel. The resulting one-piece hub design distributes mounting pressures away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one-piece design and the precision ground flange provides identical radial load-bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.



00457



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D	E
00446	C4.5-1	0 to 1/2	1-1/4-16LH	-
00564*	C4.5-1KW	0 to 1/2	1-1/4-16LH	1/8
00158	C4.5-2	0 to 1/2	1-1/4-16RH	-
00457*	C4.5-2KW	0 to 1/2	1-1/4-16RH	1/8

*Spindle mounting bolt 14362 and retaining ring 04269 included.

Sopko cup wheel adapters are made with a THIN-WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED, and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive lock. A hardened nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN during spindle rotation.

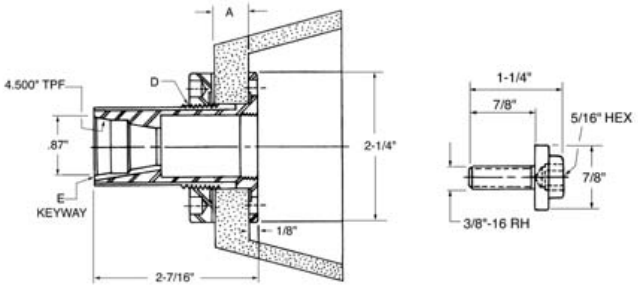


00289



00290†

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D	E
00289	C200-2CW	3/8 to 5/8	1-1/4-16RH	-
00290**	C200-2CWKW	3/8 to 5/8	1-1/4-16RH	1/8



** Includes spindle mounting bolt 14362 only.
†Grinding wheel not included.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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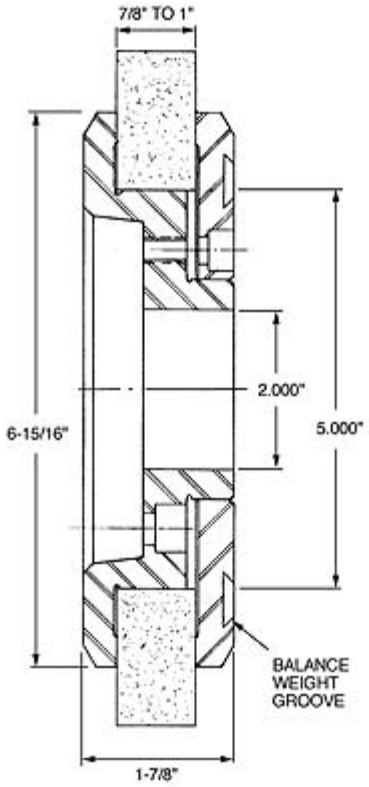
Wheel Adapters for Jones & Shipman Grinders.

FOR 13° 43’ 08” INC ANGLE TAPER* AND 2" STRAIGHT BORE WITH 1.605" DIAMETER AT LARGE END OF TAPER. FOR 5.000" ID WHEELS.

A tradition of quality manufacturing makes this Jones and Shipman series 1076 straight bore bolt-on flange balancing adapter an outstanding value. Two precison ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, the adapter is furnished with a three piece steel balancing weight set 00859, three 5/16-18RH x 1/2" SHCS 05941 flange bolts.



01195
(Front Side)

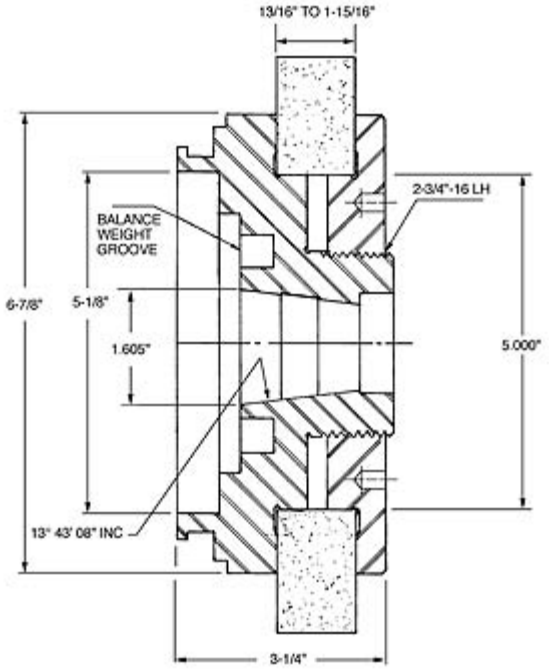


SOPKO CATALOG NO.
01195

This premium quality Jones & Shipman series 1310 universal cylindrical grinder balancing adapter features the highest quality 13° 43’ 08” INC angle internal taper for precise spindle mounting and pre-heat treated hubs and nuts for strength and long life. Precision ground surfaces and thread ground threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes. Adapter furnished with three piece bronze balancing weight set 00861.

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SOPKO CATALOG NO.
01836

01836
(Taper Side)

*Europe and Canada only.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Wickman OPG and Sheffield Micro-Form Grinders.

3.500" TPF WITH .56" DIAMETER AT LARGE END OF TAPER.
FOR .750" AND 1.250" ID WHEELS.

Designed for the Wickman OPG Grinder and the Sheffield 121, 122, and 122A Micro-Form Grinder, these adapters feature a one piece hub design to distribute mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock. For optimum micro finishes, all surfaces have been ground concentric and square. A precision taper makes spindle mounting reliable, and the heat treated hub and nut assures long-life and safe operation. Spindle uses a 5/16-24LH spindle nut 05335 (not furnished).



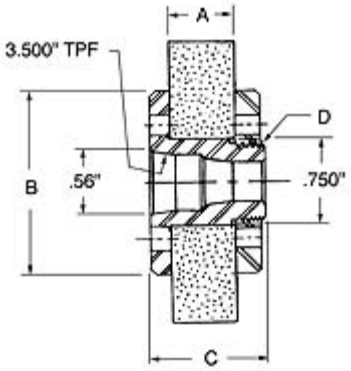


FIG. 1

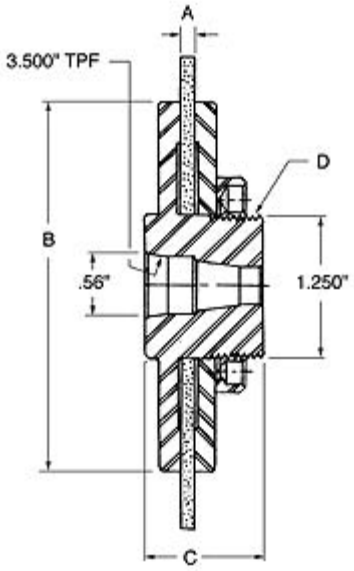


FIG. 2

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	B	C	D
00676*†	1	A-12930-3/4	1/2	1-7/8	1	11/16-24LH
00677*	2	A-12930-2	1/2	2	1-1/32	1-1/4-16LH
00678*	2	A-12930-3-1/4	1/16 to 1/4	3-1/4	1	1-1/4-16LH

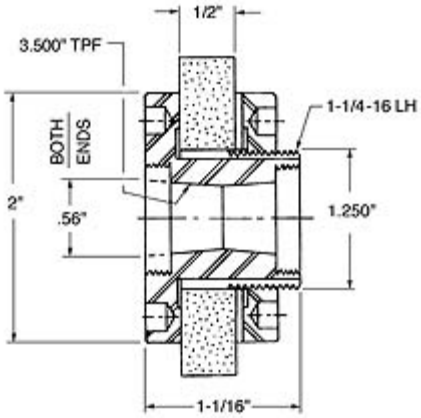
See page 74 for accessory flanges.
*Older style Wickman grinders.
†With 11/16-24LH adapter nut 04284.

This precision ground double-taper reversible adapter is designed for the Wickman OPG Grinder and the Sheffield 121, 122, and 122A Micro-Form Grinder. The adapter is furnished with a 5/16-24LH special tapered hex spindle nut 05105.

SOPKO CATALOG NO.

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50074

50074

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Wheel Adapters for Okamoto DX Series Grinders.

3.000" TPF AND 1:5 TAPER RATIO WITH 1.00" AND 1.75" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 5.000" ID WHEELS.

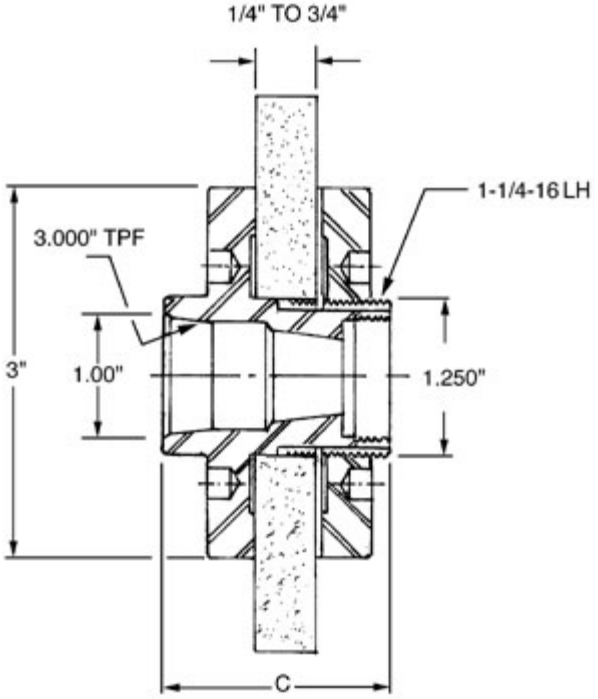
Standard adapter for 6.18DX and 8.20DX saddle type surface grinders.

SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS C
00129	A521	1-15/16
02681*	-	2-3/64

* Balancing style adapter includes weight set 00862.



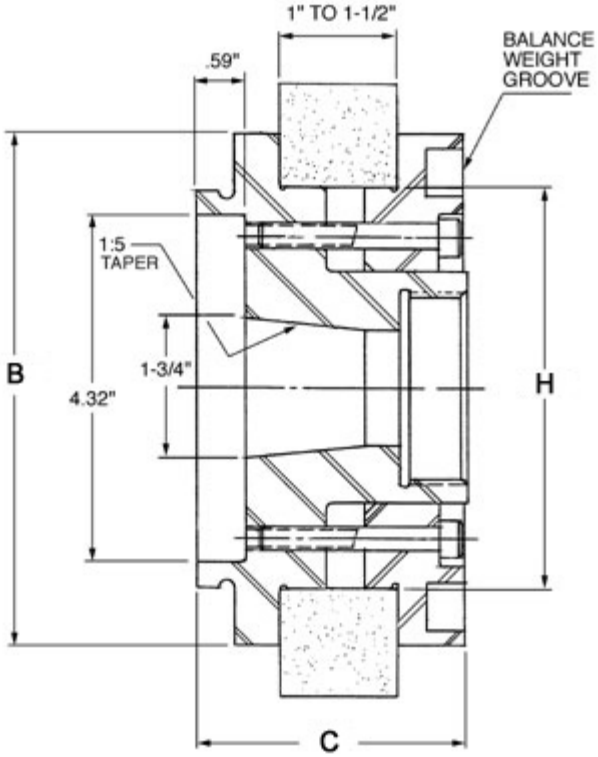
00129



Bolt-on flange balancing adapter for 12.24DX, 16.24DX, 16.32DX, 20.24DX, 20.36DX and 20.40DX saddle type surface grinders.



00636



SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS B	C	H
00908†	A621-3	5	3-1/4	3.000
00636**	A621-5	6-3/8	3-3/8	5.000

† Includes balancing weight set 00831 and 6 piece SHCS set 00614.
** Includes balancing weight set 00864 and 6 piece SHCS set 00614.

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OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
00636	27MM to 38MM (1" to 1.50")	01834	5/16-18 X 2-1/4	6
00908	1"	00614	5/16-18 X 1-1/4	6
	1-1/2"	00615	5/16-18 X 1-1/2	6

** Includes balancing weight set 00864.

Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 3.000" AND 5.000" ID WHEELS.



01353 (Front Side)



01351 (Taper Side)

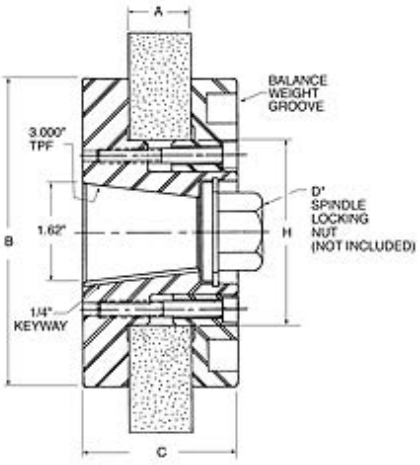


FIG. 1

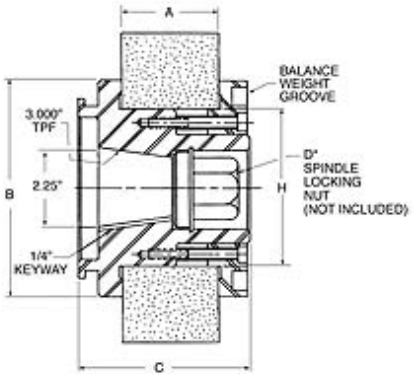


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS			
		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

OPTIONAL SOCKET HEAD CAP SCREW SETS.

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.

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00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000” TPF WITH 1.62” AND 2.25” DIAMETER AT LARGE END OF TAPER.
FOR 5.000” AND 8.000” ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use.



01342

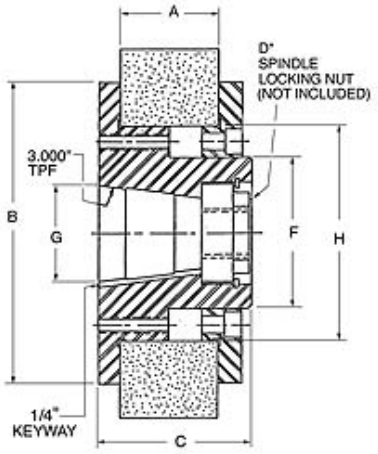


FIG. 1

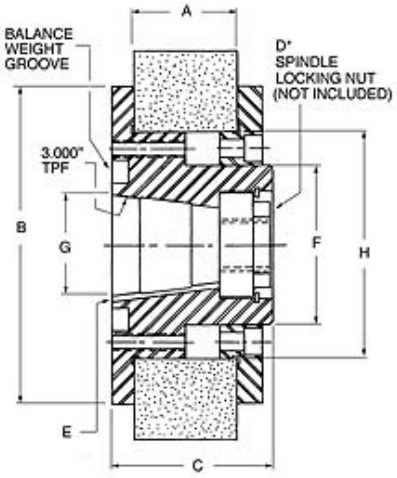


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS A	B	C	D*	F	G	H	SNAP RING
01341	1	3/4 to 1-1/2	7	2-9/16	3/4-16	3-1/2	1.62	5.000	04248
01357	1	1 to 2-1/2	7	3-9/16	1-1/8-12	3-1/2	2.25	5.000	04358
01342	2	3/4 to 1-3/4	7	2-13/16	3/4-16	3-5/8	1.62	5.000	01830
01343	2	1 to 2-1/2	7	3-9/16	1-1/8-12	3-5/8	2.25	5.000	01830
01344	2	1-3/4 to 3	10	4-1/16	1-1/8-12	4	2.25	8.000	01830

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01341	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
01342	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
	1-1/2 to 1-3/4	01797	3/8-16X2-1/4	4
01343	1 to 1-1/2	01798	3/8-16X1-1/2	4
	1-3/4 to 2	01797	3/8-16X2-1/4	4
01357	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
01344	1-3/4 to 2	01797	3/8-16X2-1/4	4
	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	2-3/4 to 3	01800	3/8-16X3-1/4	4



01797

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00828	Three piece bronze balancing weight set for 01342 and 01343.
00826	Three piece bronze balancing weight set for 01344.



00828

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 3.000" AND 5.000" ID WHEELS.



01353 (Front Side)



01351 (Taper Side)

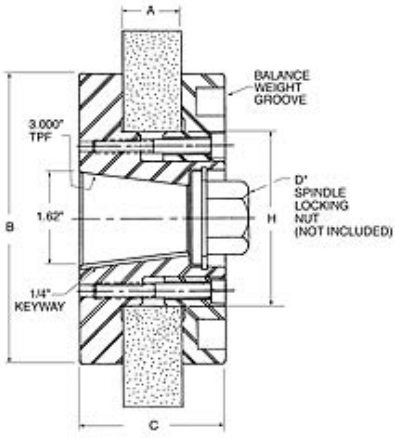


FIG. 1

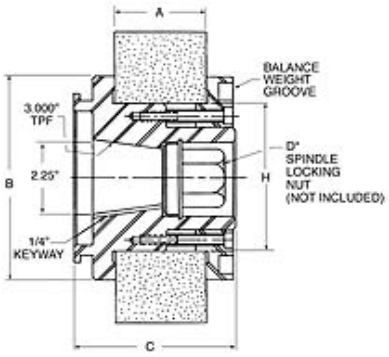


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS			
		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

OPTIONAL SOCKET HEAD CAP SCREW SETS.

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ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.
00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000" TPF WITH 2.62", 3.00" AND 3.75" DIAMETER AT LARGE END OF TAPER.
FOR 5.000", 8.000" AND 12.000" ID WHEELS.

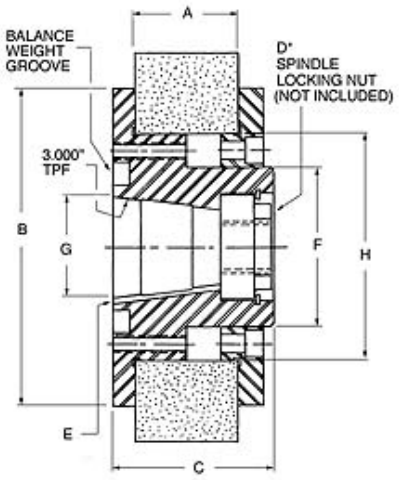
The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use. And of course, the high quality internal taper is unsurpassed for precision spindle mounting.



01345

DIMENSIONS

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SOPKO CATALOG NO.	A	B	C	D*	E	F	G	H	SNAP RING
01345	1-1/2 to 2-3/4	7	4-3/16	1-1/2-12	1/4	3-5/8	2.62	5.000	01830
01346	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	2.62	12.000	01830
01347	1-3/4 to 3	7	4-11/16	1-1/2-12	1/4	3-5/8	3.00	5.000	01830
01348	1-3/4 to 3	10	4-5/16	1-1/2-12	1/4	5-1/2	3.00	8.000	01830
01349	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	3.00	12.000	01830
01350	2-1/4 to 4	10	5-1/2	2-1/4-12	3/8	5-1/2	3.75	8.000	04331



01801

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01345	1-1/2 to 2	01801	3/8-16X2-1/2	4
	2-1/4 to 2-3/4	01800	3/8-16X3-1/4	4
01346	1-3/4 to 2-1/4	01811	3/8-16X3	6
01347	2-1/2 to 3	01802	3/8-16X3-1/2	4
01349	6			
01348	1-3/4 to 2-1/4	01803	1/2-13X3	6
	2-1/2 to 3	01804	1/2-13X3-1/2	6
	2-1/4 to 2-3/4	01805	1/2-13X2-1/2	6
01350	3 to 3-1/2	01806	1/2-13X3-1/4	6
	4	01807	1/2-13X4	6



00829

00829	Three piece bronze balancing weight set for 01346 and 01349.
00826	Three piece bronze balancing weight set for 01345, 01347, 01348, and 01350.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Wickman OPG and Sheffield Micro-Form Grinders.

3.500" TPF WITH .56" DIAMETER AT LARGE END OF TAPER.
FOR .750" AND 1.250" ID WHEELS.

Designed for the Wickman OPG Grinder and the Sheffield 121, 122, and 122A Micro-Form Grinder, these adapters feature a one piece hub design to distribute mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock. For optimum micro finishes, all surfaces have been ground concentric and square. A precision taper makes spindle mounting reliable, and the heat treated hub and nut assures long-life and safe operation. Spindle uses a 5/16-24LH spindle nut 05335 (not furnished).



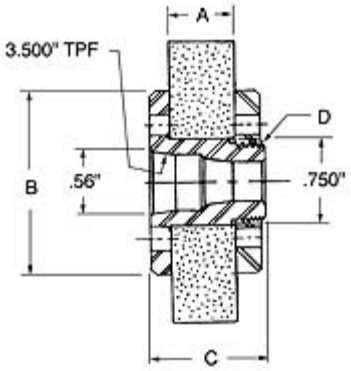


FIG. 1

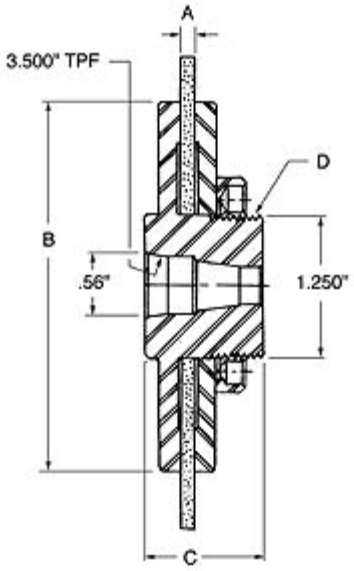


FIG. 2

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	B	C	D
00676*†	1	A-12930-3/4	1/2	1-7/8	1	11/16-24LH
00677*	2	A-12930-2	1/2	2	1-1/32	1-1/4-16LH
00678*	2	A-12930-3-1/4	1/16 to 1/4	3-1/4	1	1-1/4-16LH

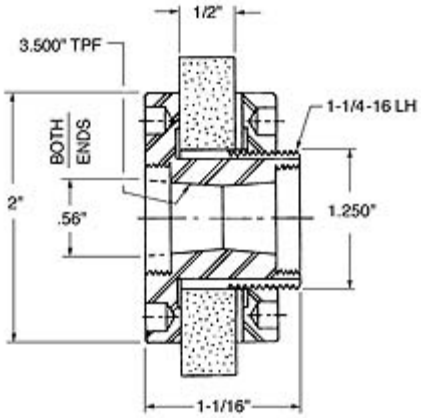
See page 74 for accessory flanges.
*Older style Wickman grinders.
†With 11/16-24LH adapter nut 04284.

This precision ground double-taper reversible adapter is designed for the Wickman OPG Grinder and the Sheffield 121, 122, and 122A Micro-Form Grinder. The adapter is furnished with a 5/16-24LH special tapered hex spindle nut 05105.

SOPKO CATALOG NO.

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50074

50074

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

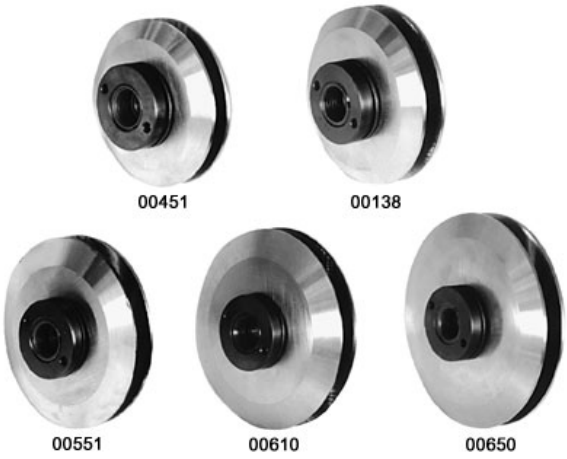
CAUTION!
Always Wear Safety Goggles When Griding.

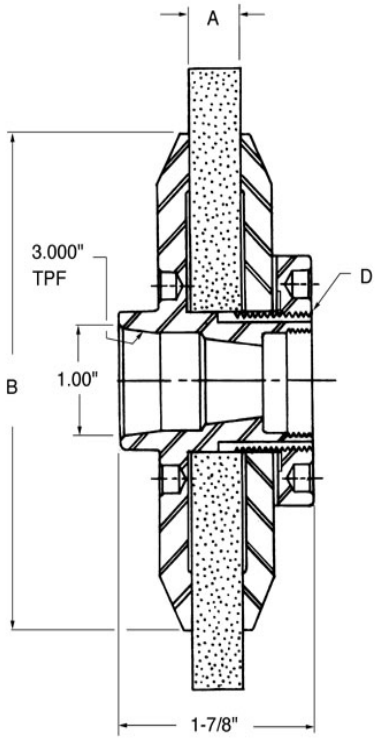
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Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. DESIGNED FOR THIN CUT-OFF WHEELS AND DIAMOND WHEELS.

Sopko flanged adapters are machined from alloy steel. The resulting one piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design, and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.





SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00451	4.5-1	0 to 1/2	4-1/2	1-1/4-16LH
00452	4.5-2	0 to 1/2	4-1/2	1-1/4-16RH
00138	5.0-1	0 to 1/2	5	1-1/4-16LH
00139	5.0-2	0 to 1/2	5	1-1/4-16RH
00551	5.5-1	0 to 1/2	5-1/2	1-1/4-16LH
00552	5.5-2	0 to 1/2	5-1/2	1-1/4-16RH
00610	6.0-1	0 to 1/2	6	1-1/4-16LH
00612	6.0-2	0 to 1/2	6	1-1/4-16RH
00650	6.5-1	0 to 1/2	6-1/2	1-1/4-16LH
00652	6.5-2	0 to 1/2	6-1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

All the quality features you expect from Sopko are built into these larger diameter flanged wheel adapters too...

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.

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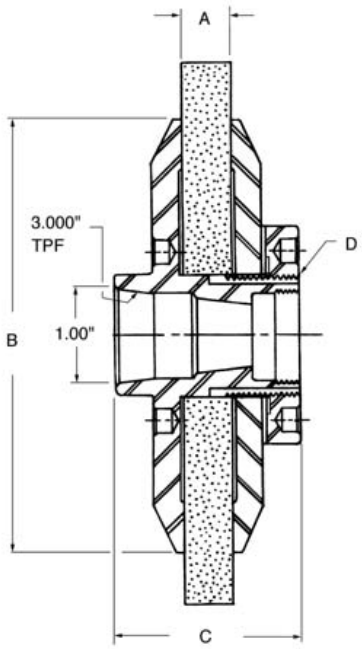


00710

(Front Side) **(Taper Side)**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00710	7.0-1	0 to 1/2	7	1-7/8	1-1/4-16LH
00712	7.0-2	0 to 1/2	7	1-7/8	1-1/4-16RH
00750	7.5-1	0 to 1/2	7-1/2	1-7/8	1-1/4-16LH
00752	7.5-2	0 to 1/2	7-1/2	1-7/8	1-1/4-16RH
00810	8.0-1	0 to 1/2	8	2	1-1/4-16LH
00812	8.0-2	0 to 1/2	8	2	1-1/4-16RH

See page 74 for available flanges.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.* FOR 2.000" AND 3.000" ID WHEELS.

Now you can extend the useful working life of 2.000" and 3.000" ID grinding wheels. There is no need to waste money by throwing worn wheels away. Extend wheel life, use Sopko 4-1/2" flanged diameter wheel adapters! Machined from forged alloy steel, the one-piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated,

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Sopko flanged adapters are safe to use and maintain their rigidity.

All the quality features you expect from Sopko are built into these flanged wheel adapters for 2.000" ID and 3.000" ID grinding wheels.

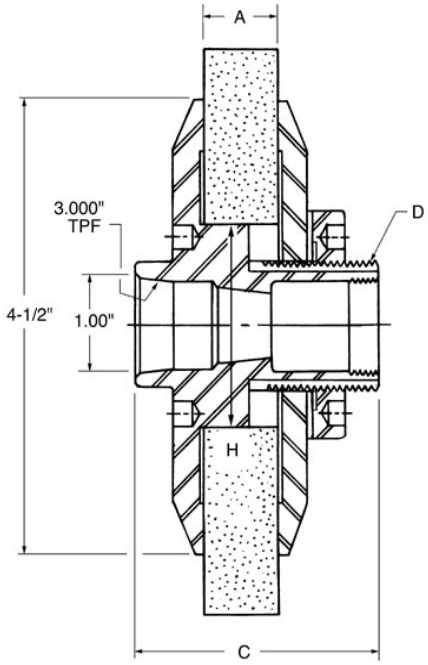
- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.
- Not for larger surface grinders (taper is 1.00" at LE).



00453



00455



SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D	H
00453	4.5-1-2	3/8 to 3/4	2-1/8	1-1/4-16LH	2.00
00454	4.5-2-2	3/8 to 3/4	2-1/8	1-1/4-16RH	2.00
00455	4.5-1-3	3/8 to 1	2-3/8	1-1/4-16LH	3.00
00456	4.5-2-3	3/8 to 1	2-3/8	1-1/4-16RH	3.00

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

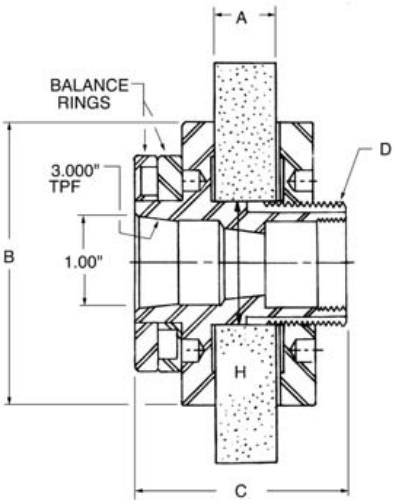
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com



00460

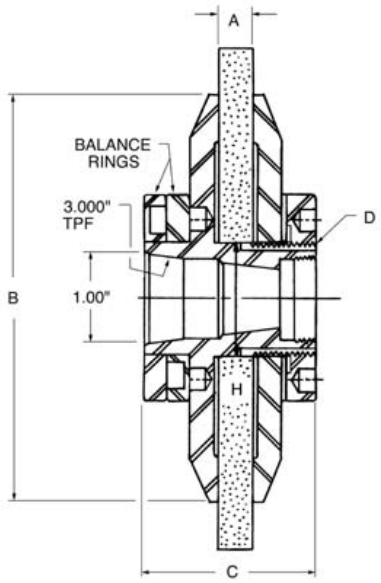




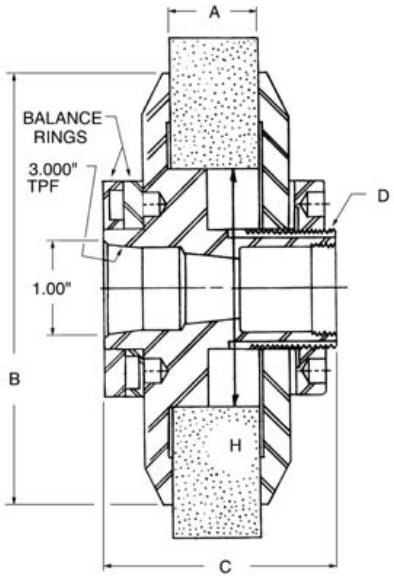
00248
(Front Side)



00251
(Taper Side)



SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000



*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

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Standard Taper Reversible Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

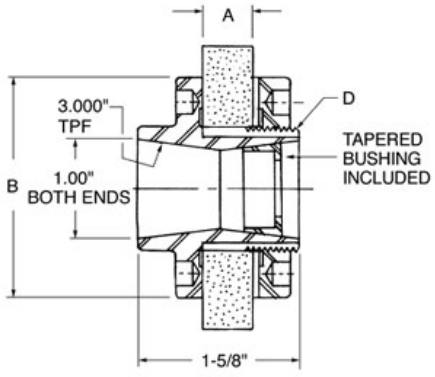
- Formed wheels are used either way without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for
  BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper and are securely locked against loosening by the wheel rotation.
- Manufactured from quality steel to withstand the rigors of daily use, then HARDENED and GROUND.

For use on all spindles having a 3.000" TPF with 1.00" diameter at large end of taper. Including: Boyar-Schultz, Bridgeport, Brown & Sharpe, DoAll, Excello, Foote Burt-Hammond, Harig, Norton, Parker Majestic, Pope, Reid, Sanford, Setco, Taft Pierce, and Whitnon.



00222

A precision ground double-taper and removable bushing make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. LH thread is standard.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00222	222RWA	1/4 to 1/2	2-1/4	1-1/4-16LH
00255	222RWA-R	1/4 to 1/2	2-1/4	1-1/4-16RH
00256	4.5-2RWA	0 to 1/2	4-1/2	1-1/4-16RH
00022	22-W	Replacement tapered bushing.		

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.



01112



00651



00358



00360

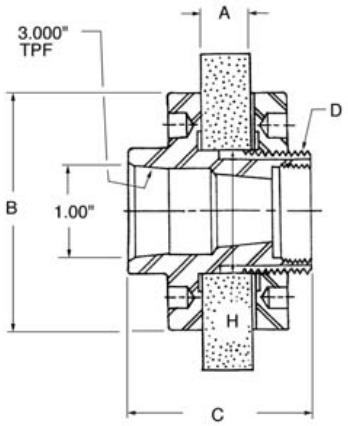


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250
00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250

Electroless nickel plating available on all Sopko adapters at additional cost.
*Balancing style adapter.

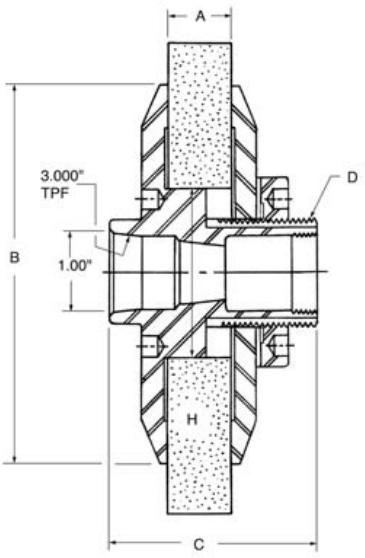


FIG. 2

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.



00739



00738



00737

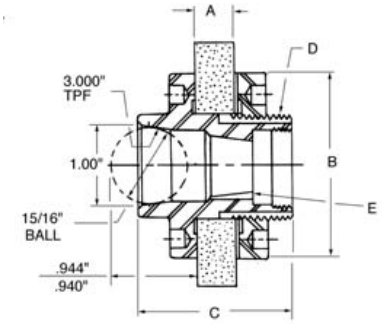


FIG. 1

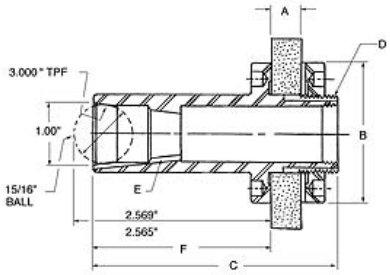


FIG. 2

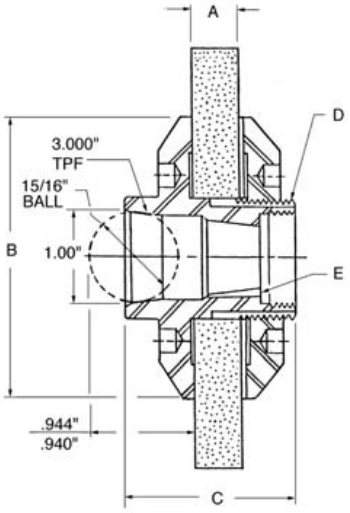


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

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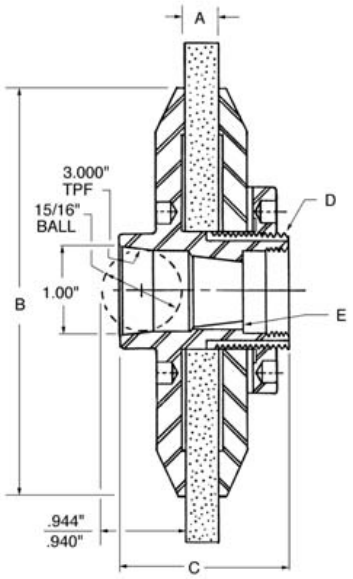


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

 William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Pin Slot Wheel Adapters for Reversing Spindles.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.

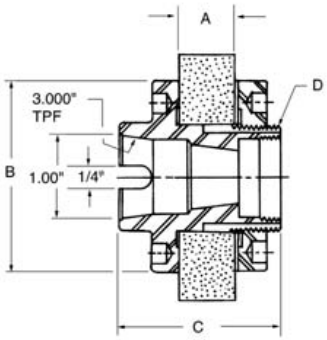


FIG. 1



00094



00275



00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F

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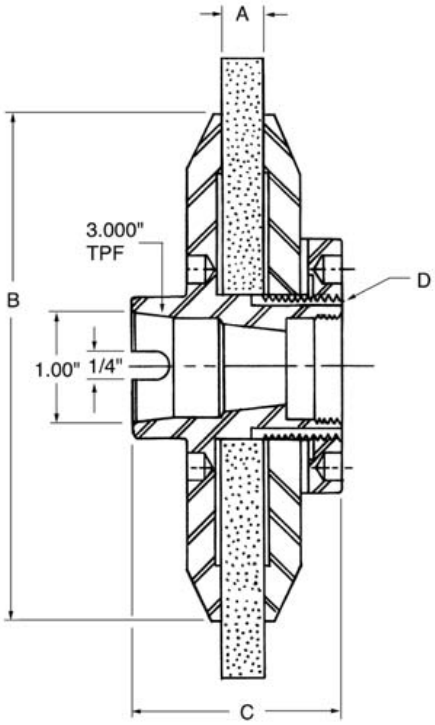


FIG. 2

00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-
00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

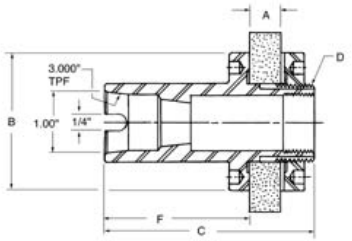


FIG. 3

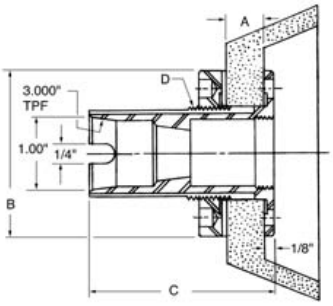


FIG. 4

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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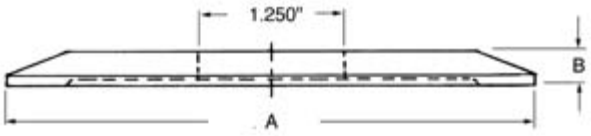
Wheel Adapter Parts.

Flanges.

Performance always matters, even for as basic an item as a flange; and performance begins with design. At Sopko we make flanges with customer safety in mind. Check these design features and you'll know what we've known for a long time, SAFETY FIRST!

- BEARING SURFACES GROUND FLAT AND PARALLEL to assure maximum uniform wheel contact.

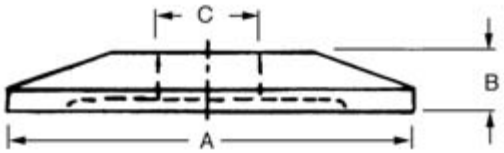
- PRECISION GROUND OD AND ID for optimum CONCENTRICITY AND BALANCE.
- SPECIALLY SELECTED ALLOY STEEL HEAT TREATED FOR MAXIMUM STRENGTH AND TOUGHNESS.
- FLANGES ARE RECESSED to produce equal and opposite bearing surfaces, keeping stress away from the wheel bore



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	DIMENSIONS B
LARGE DIAMETER FLANGES			
00040	4.0SP	4	5/16
00450	4.5SP	4-1/2	5/16
00475	4.75SP	4-3/4	5/16
00050	5.0SP	5	5/16
00550	5.5SP	5-1/2	5/16
00575	5.75SP	5-3/4	5/16
00603	6.0SP	6	5/16
00065	6.5SP	6-1/2	5/16
00675	6.75SP	6-3/4	5/16
00700	7.0SP	7	5/16
00075	7.5SP	7-1/2	5/16
00080	8.0SP	8	3/8



00040





00056

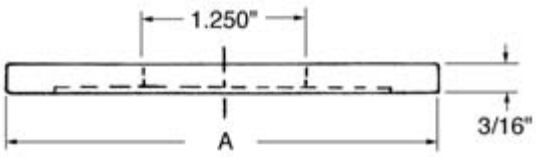
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	DIMENSIONS B	DIMENSIONS C
SMALL DIAMETER FLANGES				
00051	**F3**	1-1/2	1/4	0.375

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00052	-	2	5/16	0.375
00053	F4	1-1/2	1/4	0.500
00054	F1	2	5/16	0.500
00056	-	2	5/16	0.625
00058	F2	2	5/16	0.750
00059	-	2-1/2	5/16	1.000
05322	-	3	5/16	0.500
00060	-	3	5/16	0.625
01280	-	3	5/16	0.750



00058



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A
WICK FLANGES		
00042	WICK-3	3-1/4
00044	WICK-4	4-1/4
00046	WICK-5	5-1/4



00042

Electroless nickel plating available on all flanges and spacers at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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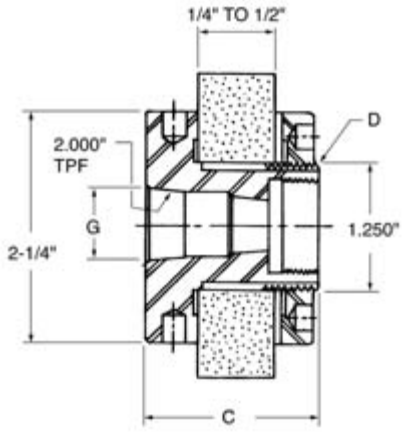
Wheel Adapters for Loewe and Levin Grinders, and Blomback and Fortuna Spindles.

2.000" TPF AND 3.000" TPF WITH .51", .57", AND .70" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The 01022 and 01023 Wheel Adapters are used on the LOEWE TO-525 OPTI-GRIND GRINDER.*



01023



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	G
01022	SA60-1	1-11/16	1-1/4-16LH	0.70
01023	SA60-2	1-11/16	1-1/4-16RH	0.70
01024	S112	1-1/8	1-1/4-16RH	0.51
50267	-	1-1/8	1-1/4-16LH	0.51

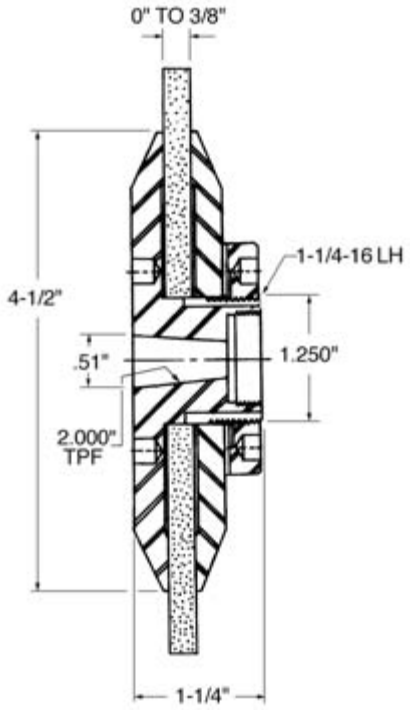
*Used with Blombach and Fortuna spindles.

The Loewe flanged adapter one piece design distributes wheel mounting pressure away from the bore, the weakest part of the grinding wheel. The resulting rigidity and the precision ground flange provides an identical radial load bearing surface for positive wheel lock. Machined from solid alloy steel, all surfaces are ground concentric and square. Completely heat treated, the Loewe flanged adapter is safe to use and maintains its rigidity.



SOPKO CATALOG NO.

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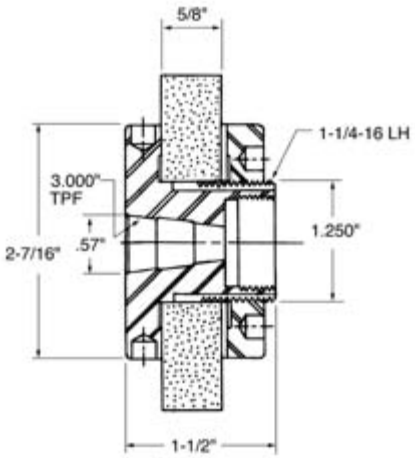


00554

00554

The 01108 Levin adapter features a high quality internal taper for a precision spindle mount and ground OD threads. All surfaces are ground square and concentric for better workpiece finish, and component parts are heat treated for strength and rigidity.





SOPKO CATALOG NO.

01108

01108

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Cincinnati Taper Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Adapter locked on spindle taper with bolt.



SOPKO CATALOG NO.	FIG	SOPKO PART NO.	DIMENSIONS A	B	C	D
00108**	1	C100-1KW	3/4 to 1	2-1/4	2	1-1/4-16LH
00253**	1	C100-2KW	3/4 to 1	2-1/4	2	1-1/4-16RH
00278*	1	C200-1KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
00239*	1	C200-2KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH
00279*	1	CX200-2KW	1/4 to 1/2	2	1-3/8	1-1/4-16RH
00407**	1	C400-1AKW	2	2-1/4	3	1-1/4-16LH
00408**	1	C400-2AKW	2	2-1/4	3	1-1/4-16RH
00409**	1	C400-1BKW	1 to 2	2-1/4	3	1-1/4-16LH
00411**	1	C400-2BKW	1 to 2	2-1/4	3	1-1/4-16RH
00282*	2	C230-1KW	1/4 to 1/2	3	1-3/8	1-1/4-16LH
00283*	2	C230-2KW	1/4 to 1/2	3	1-3/8	1-1/4-16RH
00284*	2	C235-1KW	1/4 to 1/2	3-1/2	1-3/8	1-1/4-16LH

*Spindle mounting bolt 14362 and retaining ring 04269 included.
**Includes spindle mounting bolt 14362 but no retaining groove or ring.

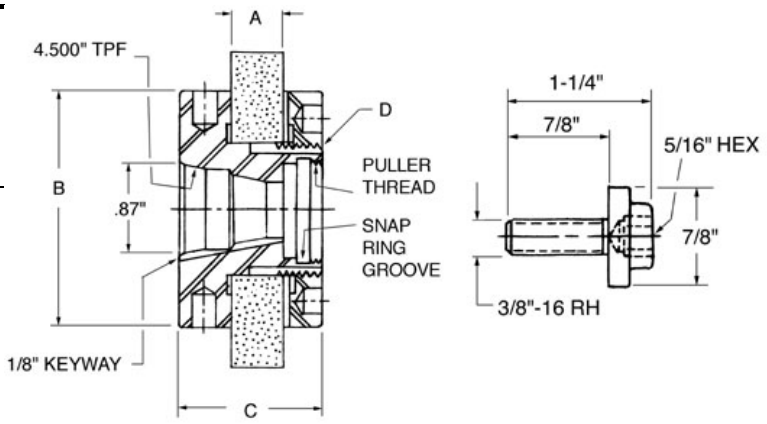


FIG.1

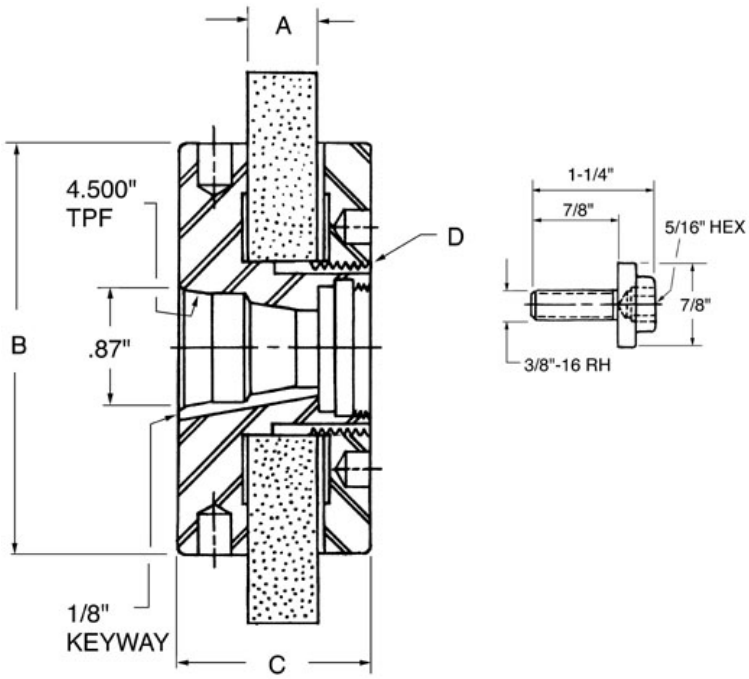


FIG.2

For older style Cincinnati flat belt, center drive spindles. No keyway in taper. Adapter locked on spindle taper with spindle nut.*



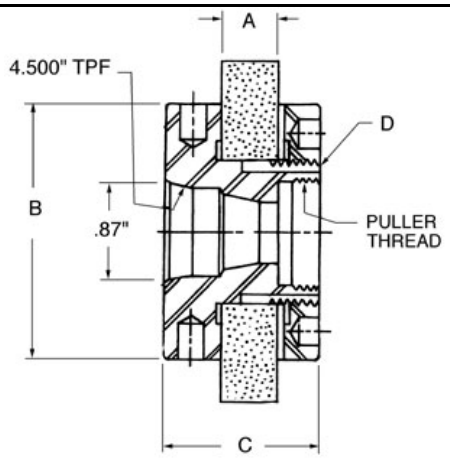
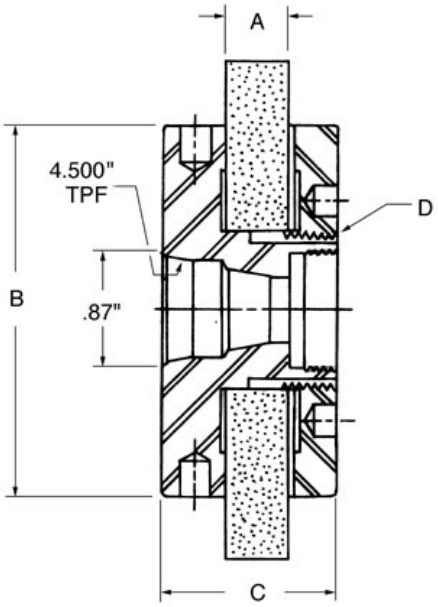


FIG.1

SOPKO CATALOG NO.	FIG	SOPKO PART NO.	DIMENSIONS A	B	C	D
00103	1	C100-1	3/4 to 1	2-1/4	2	1-1/4-16LH
00104	1	C100-2	3/4 to 1	2-1/4	2	1-1/4-16RH
00205	1	C200-1	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
00206	1	C200-2	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH
00280	1	C200-2C	1/2	2-1/4	1-3/8	1-1/4-16RH
00281	1	CX200-2	1/4 to 1/2	2	1-3/8	1-1/4-16RH
00442	1	C400-1A	2	2-1/4	3	1-1/4-16LH
00443	1	C400-2A	2	2-1/4	3	1-1/4-16RH
00444	1	C400-1B	1 to 2	2-1/4	3	1-1/4-16LH
00445	1	C400-2B	1 to 2	2-1/4	3	1-1/4-16RH

FIG.2

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00109	2	C130-2	3/4 to 1	3	2	1-1/4-16RH
00287	2	C230-1	1/4 to 1/2	3	1-3/8	1-1/4-16LH
00288	2	C230-2	1/4 to 1/2	3	1-3/8	1-1/4-16RH

*Spindle mounting nut not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

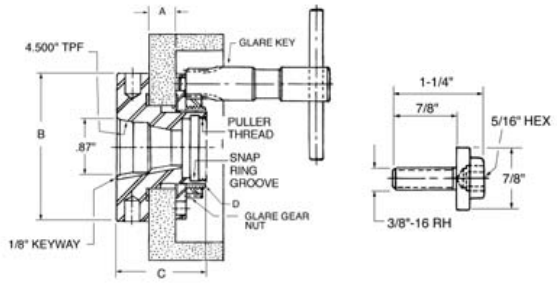
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Cincinnati Taper Wheel Adapters
With Glare Gear Assembly.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Adapter locked on spindle taper with bolt.





01116**

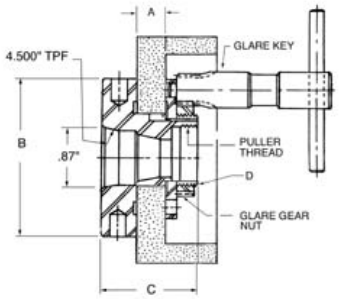
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
01125	GGC100-2KW	3/4 to 1	2-1/4	2	1-1/4-16RH
00571	GGC200-1KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
01116	GGC200-2KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH

*Spindle mounting bolt 14362 and retaining ring 04269 included.
**Grinding wheel not included.

For older style Cincinnati flat belt, center drive spindles. No keyway in taper.
Adapter locked on spindle taper with spindle nut.*

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00909**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00909	GGC200-1	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH

* Spindle mounting nut not included.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

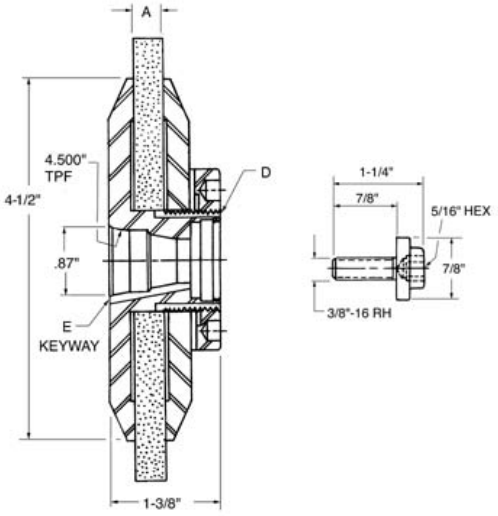
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Flanged and Cup Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

Sopko flanged adapters are machined from forged alloy steel. The resulting one-piece hub design distributes mounting pressures away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one-piece design and the precision ground flange provides identical radial load-bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.





00457

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	D	E
00446	C4.5-1	0 to 1/2	1-1/4-16LH	-
00564*	C4.5-1KW	0 to 1/2	1-1/4-16LH	1/8
00158	C4.5-2	0 to 1/2	1-1/4-16RH	-
00457*	C4.5-2KW	0 to 1/2	1-1/4-16RH	1/8

*Spindle mounting bolt 14362 and retaining ring 04269 included.

Sopko cup wheel adapters are made with a THIN-WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED, and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive lock. A hardened nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN during spindle rotation.

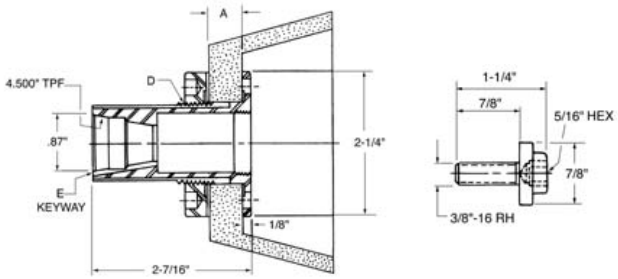
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00289 **00290†**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D	E
00289	C200-2CW	3/8 to 5/8	1-1/4-16RH	-
00290**	C200-2CWKW	3/8 to 5/8	1-1/4-16RH	1/8



** Includes spindle mounting bolt 14362 only.
†Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Cincinnati Taper Long Extended Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 OR NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

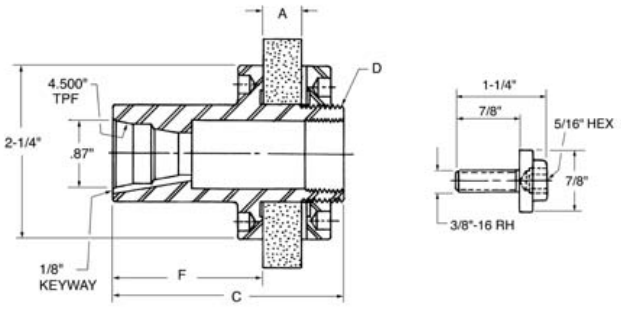
For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Cincinnati taper long extended adapters are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinding applications where the operator must reach across a boss or other obstruction. The adapters also have application on cutter grinders and tool grinders.





00242 **00243**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	F
00240*	CE200-1A	1/4 to 3/4	3	1-1/4-16LH	1-15/16
00242*	CE200-2A	1/4 to 3/4	3	1-1/4-16RH	1-15/16
00241*	CE201-1A	1/4 to 3/4	4-7/16	1-1/4-16LH	3-3/8
00243*	CE201-2A	1/4 to 3/4	4-7/16	1-1/4-16RH	3-3/8



*Includes spindle mounting bolt 14362 only.

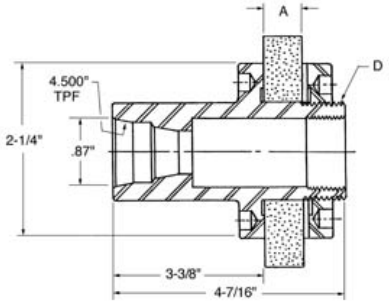
For older style Cincinnati flat belt, center drive spindles.

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00291

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00291	CE202-1A	1/4 to 3/4	1-1/4-16LH
00292	CE202-2A	1/4 to 3/4	1-1/4-16RH



Standard taper (3.000" TPF) long extended wheel adapters on page 14.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Adapters for Rockwell, Rockwell-Delta, Rockwell-Milwaukee Grinders, Harig, and Model 25 Grinder Manufactured by Gallmeyer & Livingston Co., Grand Rapids, MI.

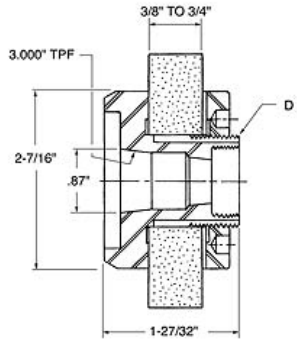
3.000" TPF, 4.256" TPF, AND 4.250" TPF WITH 0.87", 1.00", AND 1.12" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Adapters for Rockwell, Rockwell-Delta, and Rockwell-Milwaukee grinders.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
00815	24-816-LH	1-1/4-16LH
00816	24-816-RH	1-1/4-16RH



00815



TML adapter for older Harig surface grinders.

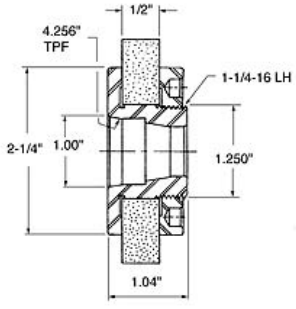
SOPKO CATALOG NO.
00169



(Front Side)



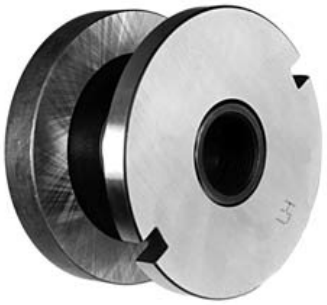
(Taper Side)



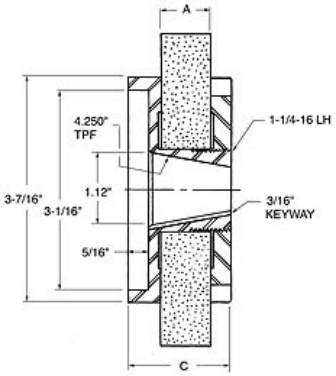
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The Gallmeyer & Livingston Model 25 Grand Rapids Hydraulic Feed Grinder adapters feature a SHROUDED DESIGN to keep contamination away from the spindle. State of the art THREAD GRINDING of the hub, and CONCENTRIC AND SQUARE GROUND FLANGE SURFACES provide better workpiece finishes because the grinding wheel is locked precisely against the adapter face. Lasting quality, performance, and value are optimized with HEAT TREATING and BLACK OXIDE FINISH.

SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00526	1/2 to 3/4	1-9/16
00527	1	1-7/8
00528	1 to 1-1/4	2-1/16



00528



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Glare Gear Nut Assembly.

CAN BE USED ON ANY 1.250" ID WHEEL ADAPTERS. THE UNIQUE GRINDING WHEEL LOCKING SYSTEM THAT ELIMINATES DAMAGE TO GRINDING WHEELS AND SPINDLE BEARINGS CAUSED BY HAMMERING. PROVIDES THE BEST POSSIBLE MOUNTING CONCENTRICITY WHEN TIGHTENING DIAMOND WHEELS. FITS ALL STANDARD 1-1/4"-16LH OR 1-1/4"-16RH THREAD.

The GLARE GEAR NUT ASSEMBLY eliminates the use of a spanner wrench when recessed, cup type, or rubber grinding wheels are mounted on surface grinders, cutter grinders, or small OD grinders. The machine operator can securely lock the grinding wheel with the GLARE GEAR NUT ASSEMBLY without touching the wheel itself. Deep recess wheels are locked easily. The GLARE GEAR NUT ASSEMBLY saves time and money. There is less chance of wheel breakage and no skinned knuckles!

The standard adapter keyed washer is replaced by a larger diameter keyed washer with two 1/4" holes 180° apart. The T-shaped key has a pilot and gear teeth that engage teeth on the OD of the locking nut. Rotating the key locks the nut securely against the washer without hammering. Assembly includes washer, nut, and key.



01901



01906

SOPKO CATALOG NO.	SOPKO PART NO.	
01901	GGA1-1/4-16LH	3 piece assembly with 1-1/4-16LH threads.
01902	GGA1-1/4-16RH	3 piece assembly with 1-1/4-16RH threads.
01903 *	-	3 piece assembly with 1-1/4-16RH threads and electroless nickel finish.
01918	GGA1-1/4-18LH	3 piece assembly with 1-1/4-18LH threads for old style B&S adapter.
01919	GGA1-1/4-18RH	3 piece assembly with 1-1/4-18RH threads for old style B&S adapter.
01921	-	3 piece assembly with 1-17/64-20LH threads for old style K.O. Lee adapter.

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01906	GLARE KEY	Key.
01909	GLARE WASHER	Washer. 2.40" OD, 1-1/4" ID, 3/16" thick.
01912	GGN1-1/4-16LH	1-1/4-16LH nut only.
01907	GGN1-1/4-16RH	1-1/4-16RH nut only.
01908	GGN1-1/4-18LH	1-1/4-18LH nut only for old style B&S adapter.
01904	GGN1-1/4-18RH	1-1/4-18RH nut only for old style B&S adapter.
01905	-	1-17/64-20LH nut only for old style K.O. Lee adapter.

Glare Gear Nuts can be furnished with all 1-1/4" ID adapters.
* In stock, but electroless nickel plating is available for all Glare Gear assemblies and component parts at additional cost.


01909


01912

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Sopko Mounting Brackets for any 3” Diameter Cartridge Spindles.

DESIGNED FOR HEALD MACHINE MODELS 70, 70A, 72, 72A, 75, 75A, AND 271, 272, 273A, 274, 275, 276, 280, 280A, 281, 290, 290A, 291, 170A, 180A, AND 190A.
Fits Okamoto IGM-2M and IGM-15CNC.

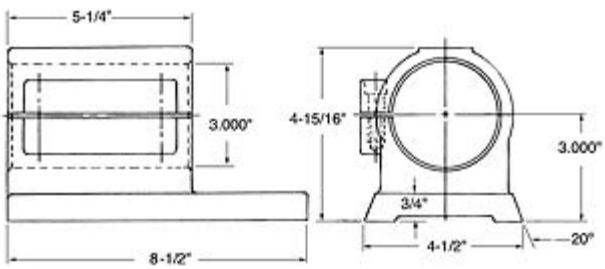
Sopko Mounting Brackets are made of aged cast iron to provide an anchor-like support for any 3" diameter cartridge spindle. Rigid by design, Sopko brackets feature a large surface area base plate for solid member contact. The accurately machined dovetail base provides positive alignment, easy positioning, and secure clamping for operator safety. A two bolt quick mount/dismount system keeps any spindle parallel to the mounting base during operation. The mounting bore is precisely finished for uniform clamping contact across the full diameter of the spindle for vibration-free operation.

01246 (HC30) MOUNTING BRACKET

Fits Heald machine models 70, 70A, 72, 72A, and 75A requiring a 3" center line distance from the base. Unit weight 14.15 lbs.



01246

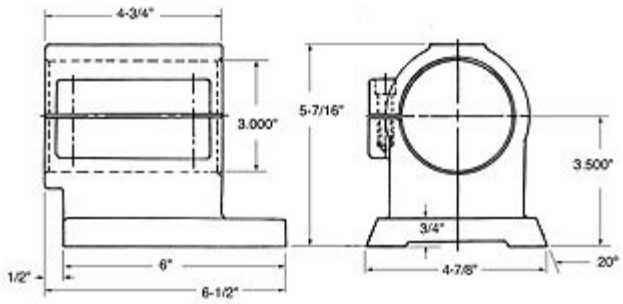


01178 (HC35) MOUNTING BRACKET

Fits Heald machine models 271, 272, 273A, 274, 275, 276, 280, 280A, 281, 290, 291, 170A, 180A, 280A, 281, 290, 291, 170A, 180A, and 190A requiring a 3-1/2" center line distance from the base. Unit weight 13 lbs. Fits Okamoto IGM-2M and IGM-15CNC machine models.



01178



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapter Parts.

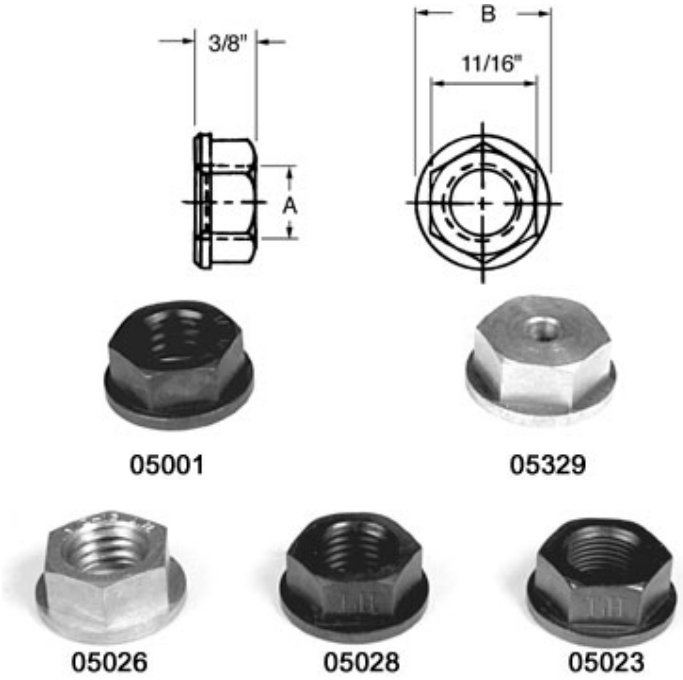
Hex Spindle Nuts.

Made from quality alloy steel and heat treated for strength, these spindle nuts feature a flange face precisely perpendicular to the thread for maximum clamping surface. The milled hex provides solid wrench engagement for safety. Left-hand threads are easily identified with LH designations stamped on the face. Nuts have black oxide finish.

HEX SPINDLE NUTS

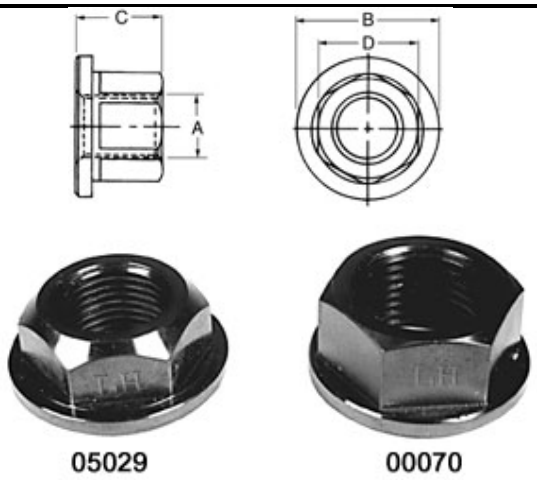
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B
05001	500-1	1/2-13LH	7/8
05026 **	SS500-1	1/2-13LH	7/8
05002	500-2	1/2-13RH	7/8
00944	501-2	1/2-13RH	1
00947	501-7	1/2-16LH	1
05003 *	500-3	31/64-14LH	7/8
05004 *	500-4	31/64-14RH	7/8
00945	501-3	31/64-14LH	1
00946	501-4	31/64-14RH	1
05005	500-5	3/8-16LH	7/8
05006	500-6	3/8-16RH	7/8
05007	500-7	1/2-16LH	7/8
05008	500-8	1/2-16RH	7/8
05009	500-9	9/16-18LH	7/8
05010	500-10	1/4-20RH	7/8
05011	500-11	5/16-18RH	7/8
05012	500-12	1/2-20LH	7/8
05013	500-13	1/2-20RH	7/8
05329	500-14	#5 DRILL (SOFT)	7/8
05015	500-15	7/16-14LH	7/8
05016	500-16	7/16-14RH	7/8
05017	500-17	9/16-18RH	7/8
05023†	500-23	M12XP1LH	7/8
05024	500-24	M12XP1RH	7/8
05027	500-25	M12XP1.25LH	7/8
05028	-	M12XP1.5LH	7/8

*Excello **Stainless Steel †Okamoto



LARGER HEX SPINDLE NUTS

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
05029	-	5/8-18LH	1-1/4	1/2	15/16
05025	-	5/8-18RH	1-1/4	1/2	15/16
00070 •	-	3/4-16LH	1-1/4	9/16	1
00071 •	-	3/4-16RH	1-1/4	9/16	1
05030	DP500	3/4-10LH	1-5/8	1	1-1/8
05020	500-20	3/4-16LH	1-5/8	1	1-1/8
05021	500-21	3/4-16RH	1-5/8	1	1-1/8
05018	500-18	3/4-16LH	1-3/8	3/4	1-1/16
05019	500-19	3/4-16RH	1-3/8	3/4	1-1/16
05116	-	7/8-14LH	2-7/16	2	1-3/4



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05117	-	7/8-14RH	2-7/16	2	1-3/4
05032	-	7/8-14LH	1-1/2	5/8	1-1/8
05327	-	7/8-14RH	1-1/2	5/8	1-1/8

• IDWE



05020

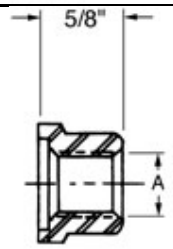


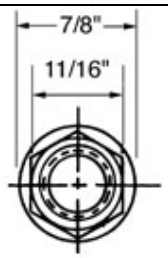
05030

POPE STYLE HEX SPINDLE NUTS

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A
04013	400-13HL	1/2-13LH
04014	400-13HR	1/2-13RH
04016	400-16HL	1/2-16LH
04017	400-16HR	1/2-16RH

Electroless nickel plating available on all spindle nuts at additional cost.







04013



04016

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

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Wheel Balancing Stand.

- PORTABLE.
- EXTEND GRINDING WHEEL LIFE.
- EASY TO OPERATE.
- LOW INVESTMENT.
- UP TO 8" DIAMETER WHEELS.
- USE WITH OR WITHOUT BALANCING ADAPTERS.
- HARDENED AND GROUND RAILS.



01001

01000 (BS1000) PORTABLE STATIC WHEEL BALANCER. Furnished with stand, leveling screw, bubble level, 3/16" hex wrench 03866, mounted hardened precision ground rails, and detailed operating instructions. The stand is 6-1/2" wide and 4-13/16" high with a 4" throat. It will handle 8" maximum diameter wheels and can be used with or without balancing style wheel adapters. For the lowest micro-inch finishes, use the BS1000 stand with SOPKO balancing ring adapters.

01001 (BS1000K1) PORTABLE STATIC WHEEL BALANCING KIT includes the 01000 (BS1000) balancing stand, the precision ground 52273 balancing arbor with nut, and the 00251 (B230-1) 3" diameter standard taper wheel adapter with balancing rings for 1/2" wide wheels maximum. Detailed operating instructions included.

01002 (BS1000K) PORTABLE STATIC WHEEL BALANCING KIT includes the 01000 (BS1000) balancing stand, the precision ground 52273 balancing arbor with nut, and the 00260 (B200-1) 2-1/4" diameter, standard taper wheel adapter with balancing rings for 1/2" wide wheels maximum. Detailed operating instructions included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

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Balancing Style Wheel Adapter Accessories.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Using Sopko balancing adapters in your shop makes it possible for you to grind the ultimate in close finish requirements. The milled pockets have a 180° arc length. One end of the arc on each ring is permanently stamped with a reference line and arrow to designate the direction of rotation. Unlike some balancing adapters, Sopko balancing rings “sandwich” the milled pockets together inside the mated faces. Grinding grit can’t build up inside.



52273

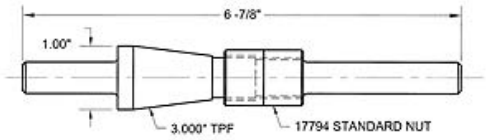


52274

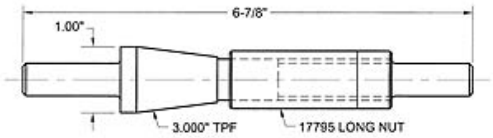


00576

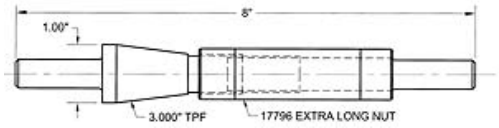
SOPKO CATALOG NO.	DESCRIPTION
52273*	For standard taper adapters locking up to 1-1/2” wide wheels.



52281**	For standard taper adapters locking 1” to 2” wide wheels.

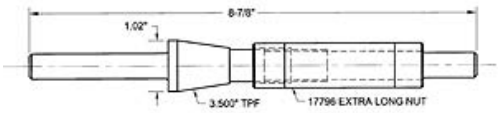


52274**	For standard taper adapters locking 2” to 3” wide wheels.

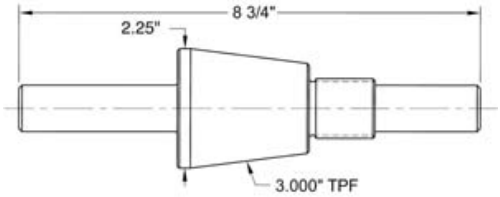


17794	Standard nut only for 52273. 1-1/4" OAL, 5/8-18RH thread.
17795	Long nut only for 52281. 2-1/2" OAL, 5/8-18RH thread.
17796	Extra long nut only for 52274. 3-3/8" OAL, 5/8-18RH thread.

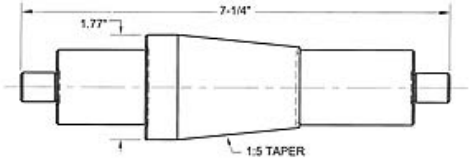
SOPKO CATALOG NO.	DESCRIPTION
00937**	For ANCA MG7/RG7/RGX adapters.



04332**	For large taper adapters.



00876**	For Okamoto 1200, 1600, 2000 DX adapters.



00576	BR1 Balancing ring (two required).
00938	3/32" long hex wrench for BR1 balancing rings.
03866	3/16" short hex wrench for balancing stand.

Sopko BW-1 and BW-3 balancing devices are not designed to be used immediately next to the grinding wheel unless the opposite flange is exactly 3" in diameter. Balancing devices are designed to be used between the wheel adapter nut and the existing washer flange, which should be exactly the same diameter as the opposite flange. Sopko balancing devices are simple to use. Place the balancing washer between the standard lock washer and the standard adapter nut. Then mount on balancing arbor.
Adjust weights until the adapter no longer rotates on the balancing stand.

SOPKO CATALOG NO.	SOPKO PART NO.	DESCRIPTION
00695	BW1	Sopko balancing device with 2 adjustable weights.
00798	BW3	Sopko balancing device with 3 adjustable weights.
00802	BW	Balancing weight and set screw only for BW1 and BW3.



00798

* Only fits Sopko balancing style adapters on page 12 and 13.
** Balancing arbors for other tapers are available on request.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

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Sopko High Speed Attachment.

INCREASE THE USE OF YOUR SURFACE GRINDER.
USED ON HARIG, REID, K.O. LEE, PARKER MAJESTIC, AND MANY MORE.



08000

08000 Used to finish radii on dies or other parts requiring small contour grinding, this unit is perfect for the tool room, job shop, or any number of occasional use applications. Designed for long life and heavy use, the Sopko High Speed Attachment kit increases the productivity of your surface grinder. When attached, it's like having an extra machine in the shop at only a fraction of the cost. The center distance between the surface grinder spindle and the attachment spindle is held to a minimum with our latest bracket design. The attachment spindle is shorter in length than competitive units, allowing maximum over-table use horizontally or vertically. The High Speed Attachment is furnished as a complete kit including all standard items listed below. Unit net weight 30.1 LB. Shipping weight 34 LB.



Standard unit includes:

08001 Bracket.
08002 3" Diameter eccentric bushing for Harig, Reid No. 2, K.O. Lee, Parker Majestic, Hammond No. 2, and others with 3" diameter spindles.
08003 17,500 RPM grease lubricated spindle with 1-3/16" diameter pulley.
08004 5-9/16" Diameter flat belt pulley.
00200 (200-1) Adapter. Pulley is mounted on the adapter and balanced.
10197 5/8" X 20-1/4" Sopko flat belt (2 pcs).
00630 (630) 11/16" Open end wrench for series 4000 collet chuck nut.
00631 (603A) 5/8" Open end wrench for collet chuck quill wrench flat.
00640 (604A) 3/4" Open end wrench for end of spindle.
08005 1/8" Short arm hex wrench.
08006 1/4" Short arm hex wrench.
35135 Spanner-socket wrench.
08007 Wooden storage box.

Maintain safe speeds, refer to grinding wheel manufacturers' instructions and ANSI B7.1 or DIN 69170 safety standards.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

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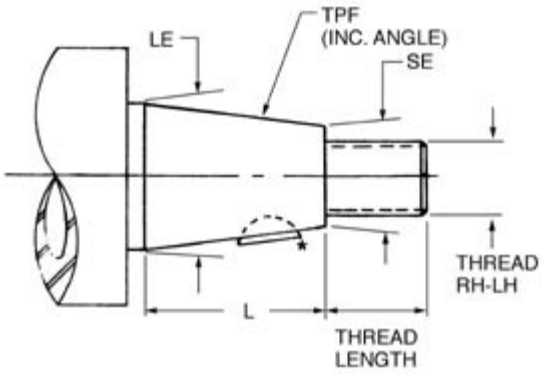
How to Order Sopko Precision, Hardened, and Ground Wheel Adapters.

STEP 1 **DETERMINE THE TAPER OF THE SPINDLE THE ADAPTER WILL BE USED ON.**

The following formula can be used to determine the spindle taper per foot (TPF):

Measure the large end of the spindle taper (LE).
Measure the small end of the spindle taper (SE).
Measure the length of the spindle taper (L).
Calculate taper per foot (TPF).

$$\frac{LE - SE}{L} \times 12" = TPF$$

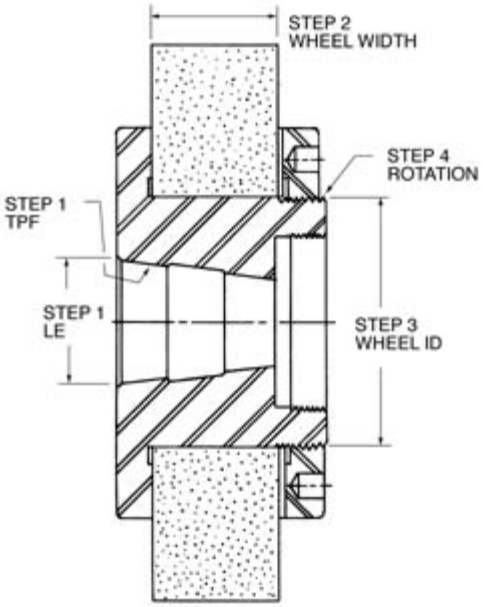


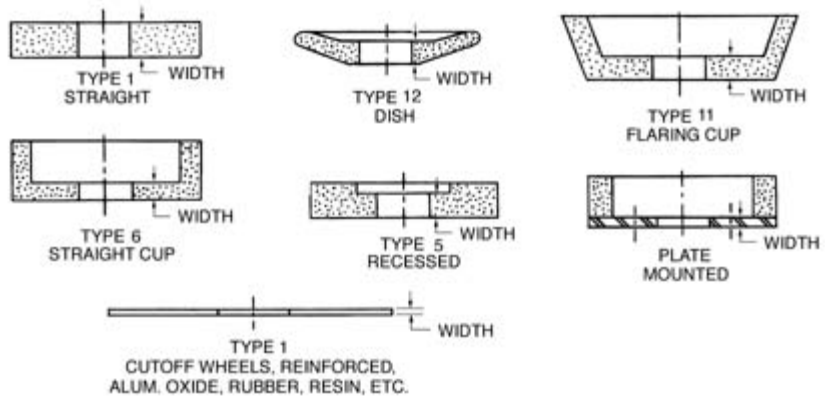
* Is there a keyway in the taper? Specify the width of the keyway.

As a general rule, 3.000” TPF adapters fit surface grinders and cylindrical grinders, and 4.500” TPF adapters fit tool and cutter grinders.

STEP 2 **DETERMINE THE WIDTH OF THE GRINDING WHEEL TO BE “LOCKED.”**

When ordering adapters it’s important to understand the meaning of the term “wheel
width to be locked.” The term refers to the width of the grinding wheel at the bore
and should not be confused with the overall width of the wheel. First determine the
type of wheel to be used, then measure the width of the wheel at the bore. Order an
adapter to lock the measured wheel width.





Grinding wheel size is stated as OD X width X ID (7" X 1/2" X 1-1/4").

STEP 3 **DETERMINE THE INSIDE DIAMETER OF THE GRINDING WHEEL.**

The common wheel bore sizes are 1-1/4", 2", 3", 5", and 8".
Special wheel ID adapters and metric ID wheel adapters are available.

STEP 4 **DETERMINE WHEEL ROTATION (VIEWED FROM WHEEL END).**

If the grinding wheel is being clamped with a nut, select an adapter with right hand (RH) threads if the spindle is rotating counter clockwise (CCW), and left hand threads (LH) if the spindle is rotating clockwise (CW). The only exception to this rule is cup wheel mounting where RH threads are used for CW spindle rotation and LH threads are used for CCW rotation because the nut is on the reverse side.

This page is intended to be printed and used to compile important data. Use the drawings to note your specific

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dimensions as accurately as possible; then phone or fax us with the information.

ROTATION:
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LH: Left-hand threads for CW spindle rotation.

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Optional Accessories for 01247 Cartridge Insert Spindle.

WRENCH, COLLET CHUCK QUILLS, OD GRINDING INSERT, AND PULLEYS.

00583 (583) 3/8" Square wrench.



29702* Collet chuck quill for 1/16" to 1/4" dia. shanks.
Furnished with 4000 series nut, 1/8", and 1/4" collets.



29704* Collet chuck quill for 1/8" to 3/8" dia. shanks.
Furnished with 5000 series collet nut only.



00144 (TX) Insert for OD grinding, 5" max dia. wheels.
Comes with 2 wheel collars and 3 general purpose wheels.



00297 (671-0225) 0.735" Crown face flat belt pulley.



00036 (671-0226) 0.985" Crown face flat belt pulley.



00166 (671-0227) 1.235" Crown face flat belt pulley.



00642 (671-0228) 1.985" Crown face flat belt pulley.



00507 (671-0229) 2.975" Crown face flat belt pulley.

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00484 (671-0230) 3.985" Crown face flat belt pulley.



00461 (671-0231) 5.000" Crown face flat belt pulley.



* Jarno taper quill extensions available, ask for brochure No. 49948.
Flat belts available in most sizes, ask for brochure No. 49890.

ROTATION:
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Optional Accessories for Sopko High Speed Attachment.

The Sopko High Speed Attachment provides higher speeds than would ordinarily be obtained with other spindles. Capable of being mounted in any position about its axis, the unit attaches quickly and easily to the spindle housing and is held securely by two clamping screws. The drive pulley assembly is mounted and balanced on a wheel adapter 00200. Made from quality alloy steel, heat treated for strength, and precisely ground to maximize surface contact, the variety of eccentric bushings increases the unit's versatility. And Sopko quality does not stop with the High Speed Attachment, it extends right into the most varied selection of grinding quills available anywhere.



29707



29709

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Jarno taper quill extensions available.*
Ask for brochure No. 49948.



08010

Optional accessories:*

29707 625 Jarno LH collet chuck quill furnished with 4000 series nut, 1/8”, and 1/4” collets.
29709 625 Jarno LH collet chuck quill furnished with 5000 series collet nut only.
08010 3-1/8" Eccentric bushing for Boyar-Schultz No. 6 x 12.
08009 3-1/4" Eccentric bushing for Brown & Sharpe No. 2.
08011 80MM Eccentric bushing.

Maintain safe speeds, refer to grinding wheel manufacturers’ instructions and ANSI B7.1 or DIN 69170 safety standards.
See page 97 for series 4000 and 5000 collets (specify size).
*Grinding wheel not included.

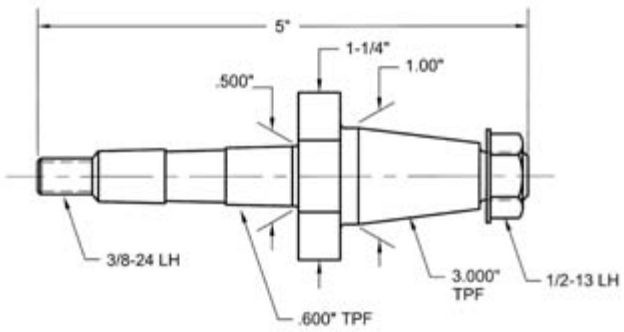
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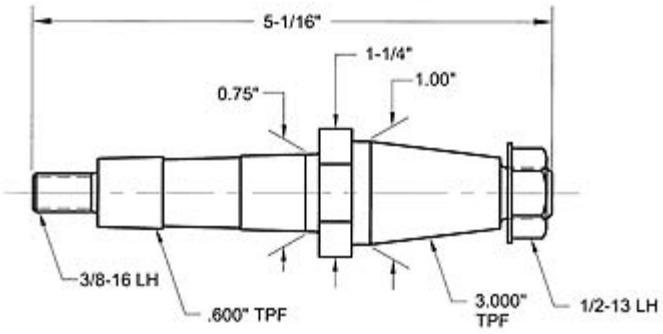
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Spindle Conversion Quills.

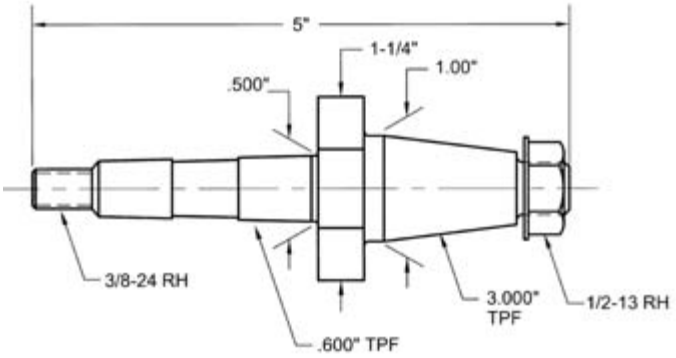
40005 Converts 0.500 Jarno LH Taper to 3" TPF, 1" LE



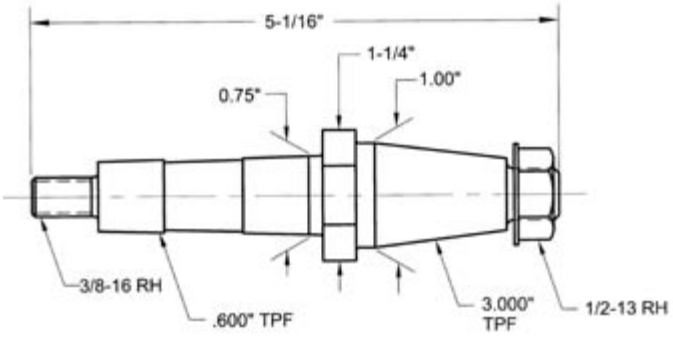
40009 Converts 0.750 Jarno LH Taper to 3" TPF, 1" LE



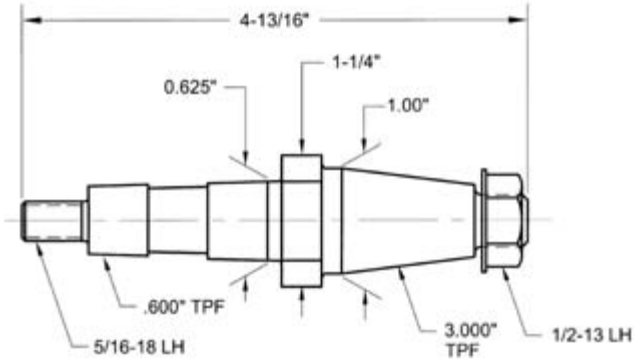
40006 Converts 0.500 Jarno RH Taper to 3" TPF, 1" LE



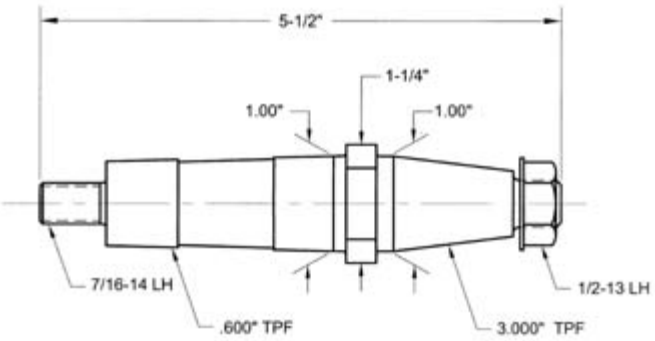
40010 Converts 0.750 Jarno RH Taper to 3" TPF, 1" LE



40007 Converts 0.625 Jarno LH Taper to 3" TPF, 1" LE



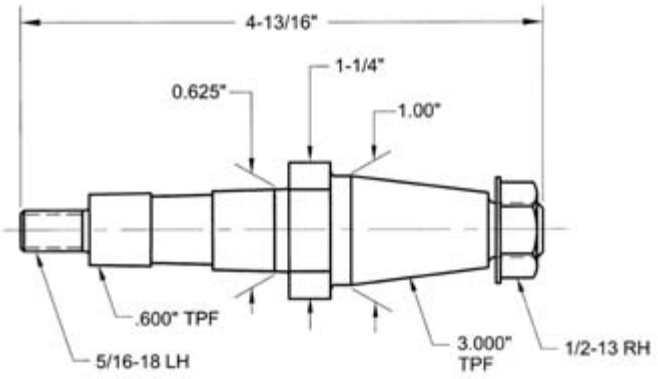
40001 Converts 1.000 Jarno LH Taper to 3" TPF, 1" LE

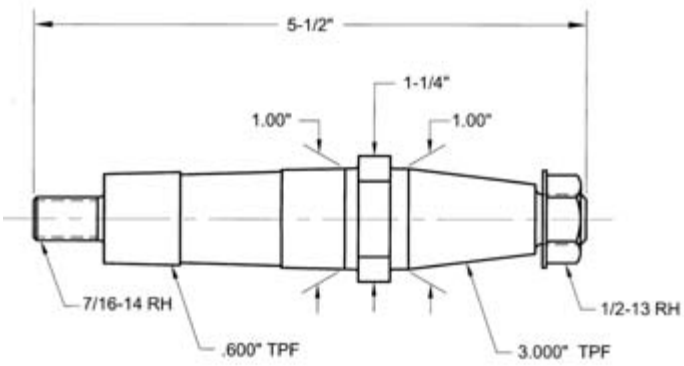


40008 Converts 0.625 Jarno RH Taper to 3" TPF, 1" LE

40000 Converts 1.000 Jarno RH Taper to 3" TPF, 1" LE

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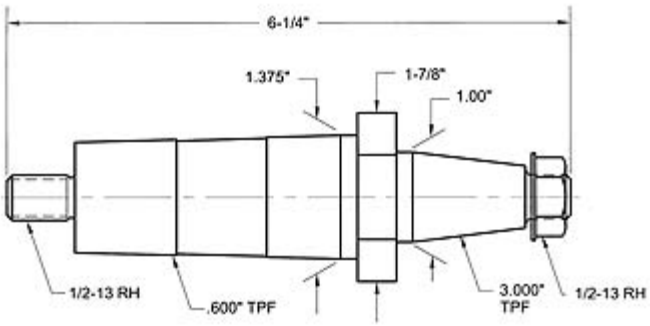


ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

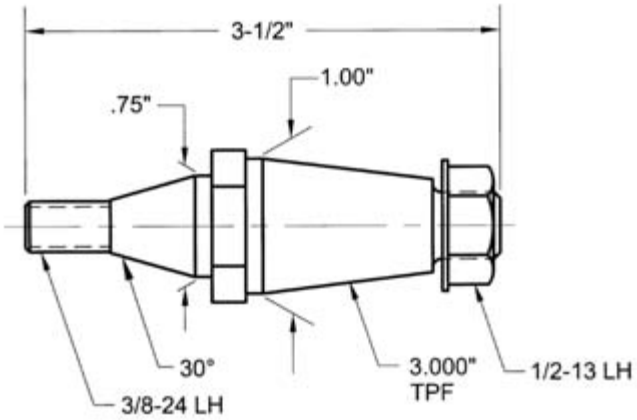
CAUTION!
Always Wear Safety Goggles When Griding.

Spindle Conversion Quills.

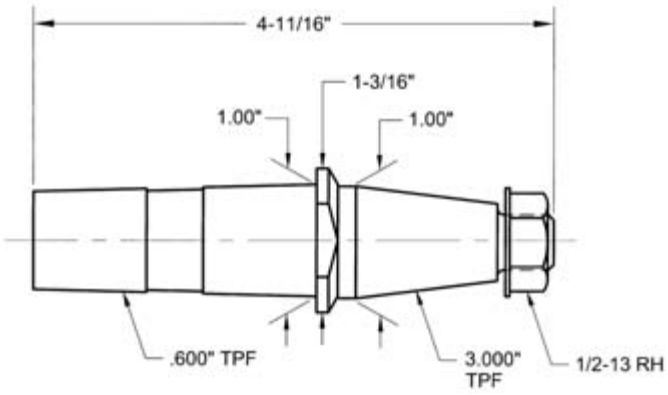
01172 Converts 1.375 Jarno RH Taper to 3" TPF, 1" LE



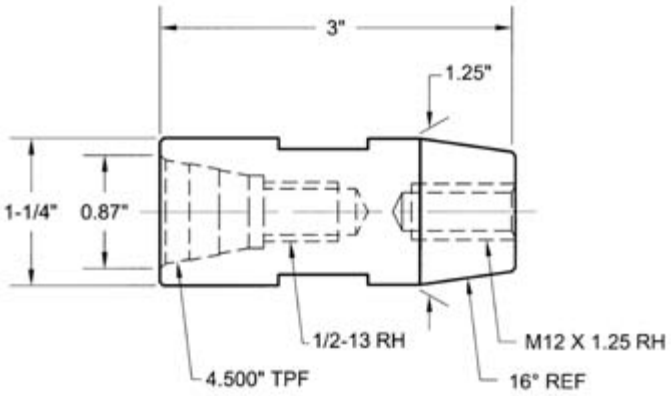
40017 Converts Cincinnati Monoset Taper to 3" TPF, 1" LE



40012 Converts 1.000 Jarno PM to 3" TPF, 1" LE

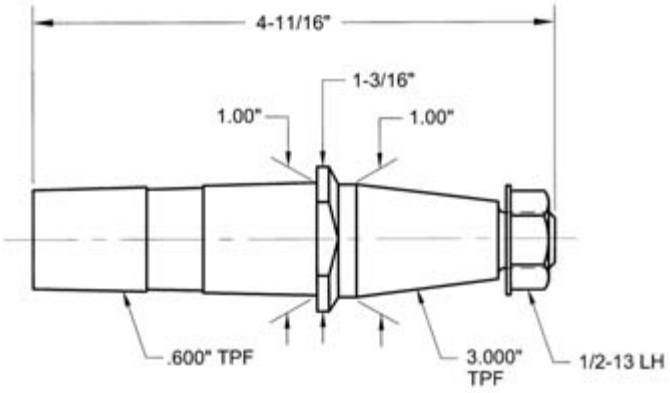


05338 Converts Older RH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE

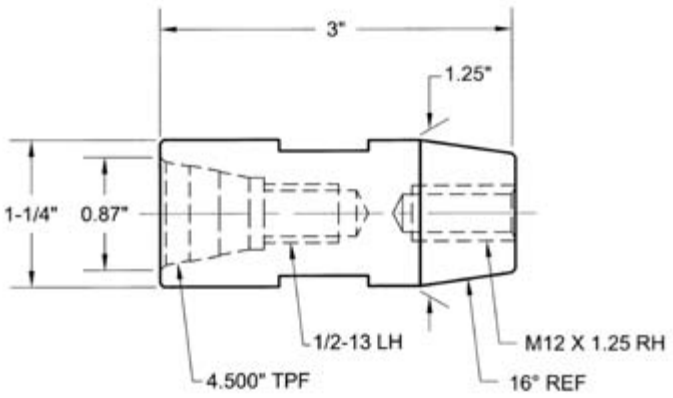


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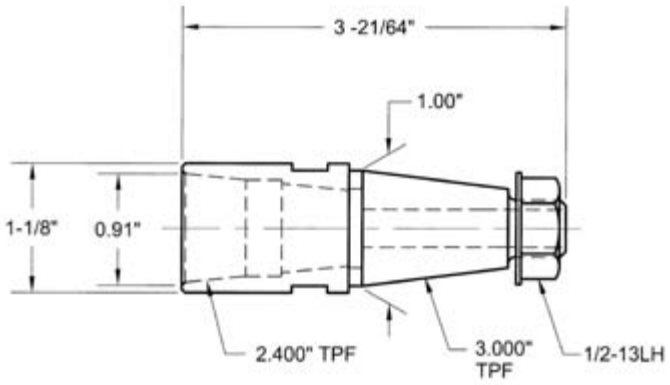
40014 Converts 1.000 Jarno PM to 3" TPF, 1" LE



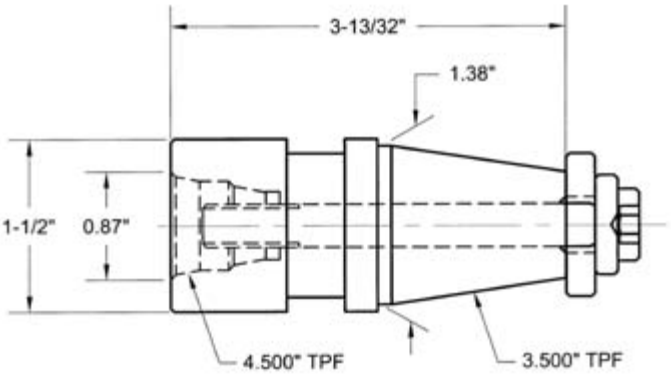
50342 Converts Older LH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE



00962 Converts Walter NC50 Taper to 3" TPF, 1" LE



00914 Converts Newer RH Cincinnati 4.5" TPF, .87" LE to ANCA TG7 Taper



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

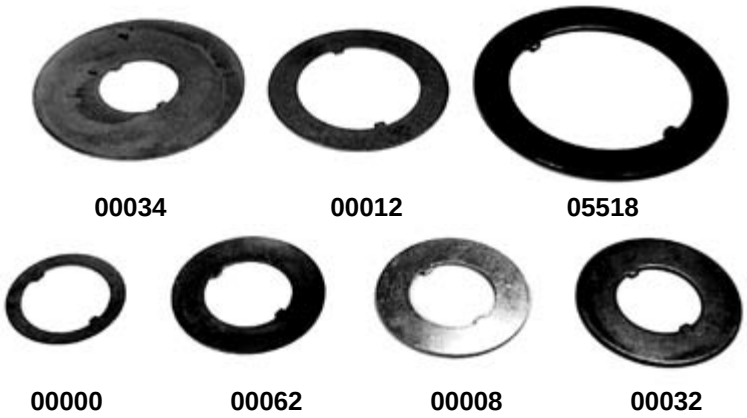
CAUTION!
Always Wear Safety Goggles When Griding.

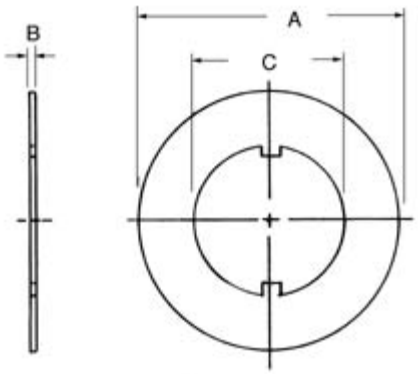
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Wheel Adapter Parts.

Keyed Washers.

Make it safe, make it perform, and make it reliable-that's what drives Sopko product design. Even the simple adapter washer is not too trivial to be overlooked in our attention to detail. Single-tang washer designs set up inherent out-of-balance conditions that are avoided with Sopko products manufactured with equal and opposite adapter hub key slots and DUAL-TANG washers. The separation provided by a washer prevents potential frictional wheel damage caused by nut contact, assuring every machine operator of safe wheel lock that is less likely to loosen under a load than ordinary adapters. There's a trust between Sopko and its customers; we're working hard every day to keep it!





SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			DESCRIPTIONS
		A	B	C	
00000	062x1-3/4	1-3/4	1/16	1-1/4	For X200-1 & X200-2 adapters
00003	913-0-00-1007	1.85	1/16	1-1/4	For ANCA MG7 series adapters
00004	062x2	2	1/16	1-1/4	For Pope adapters 00529,00530,00531,00532,00533
00030	030x2-1/4	2-1/4	1/32	1-1/4	
00005 *	EN-030x2-1/4	2-1/4	1/32	1-1/4	Electroless nickel plated
00006	SS030x2-1/4	2-1/4	1/32	1-1/4	Stainless steel
00062	062x2-1/4	2-1/4	1/16	1-1/4	
00007	-	2-1/4	1/16	1-1/4	For 222RWA adapter only
00008 *	EN-062x2-1/4	2-1/4	1/16	1-1/4	Electroless nickel plated
00009	SS062x2-1/4	2-1/4	1/16	1-1/4	Stainless steel
00447	-	2-5/16	1/32	1-1/4	
01250	-	2-3/8	1/32	1-1/4	
00031	030x2-7/16	2-7/16	1/32	1-1/4	
00032	062x2-7/16	2-7/16	1/16	1-1/4	
00010	030x3	3	1/32	1-1/4	
00033	062x3	3	1/16	1-1/4	
00011 *	EN-062x3	3	1/16	1-1/4	Electroless nickel plated
00012	96.5301.5005	3	1/16	2	For ANCA TG7 series adapters
00016	030x3-1/2	3-1/2	1/32	1-1/4	
00034	062x3-1/2	3-1/2	1/16	1-1/4	
00035	-	4-1/8	1/16	2	For IMM adapter 00691
00019	25-1569-3	4-1/8	1/16	3	For shrouded adapter 00691 AND 00692

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04250	-	4-1/4	1/16	1-1/4	For larger wheel adapters 00696, 00555
00023	-	4-1/4	1/16	2	
05518	-	4-1/4	1/8	3	For larger wheel adapters 01316, 01317
04293	-	4-3/4	1/8	3	For Norton S-3 balancing adapters 00824
05519	-	5	1/8	3	For larger wheel adapters 01324, 01330, 01337, 01338
05307	-	7	1/8	5	For larger wheel adapters 01335, 01336

* In stock, but Electroless nickel plating is available for all washers at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.



CAUTION!
Always Wear Safety Goggles When Griding.

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Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.25” AND 1.50" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000”, AND 5.000” ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01312
(Front Side)



01316
(Taper Side)

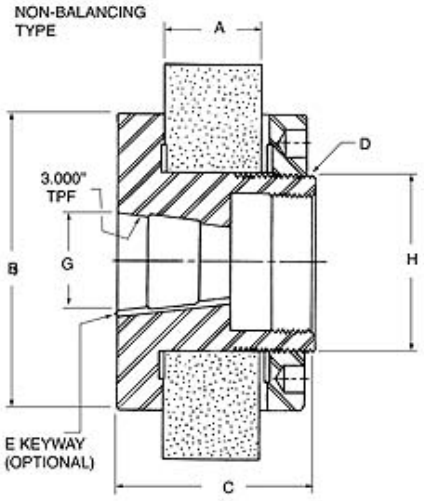


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
01312	1	5/8 to 1	3-1/2	2	2-18RH	1/4	1.25	2.000
01313	2	1/2 to 1	4-1/4	2-5/8	2-16RH	1/4	1.25	2.000
01316	2	1/2 to 1	4-1/4	2-3/4	3-16RH	1/4	1.25	3.000
01317	2	1/2 to 1	4-1/4	2-3/4	3-16LH	1/4	1.25	3.000
01318	2	3/4 to 2	5	3-3/8	3-16LH	-	1.50	3.000
01319	2	3/4 to 2	5	3-3/8	3-16RH	-	1.50	3.000
01320	2	1	6	3-3/8	4-16LH	-	1.50	4.000
01321	2	1	6	3-3/8	4-16RH	-	1.50	4.000
01322	2	3/4 to 2	7	3-3/8	5-16LH	-	1.50	5.000
01323	2	3/4 to 2	7	3-3/8	5-16RH	-	1.50	5.000

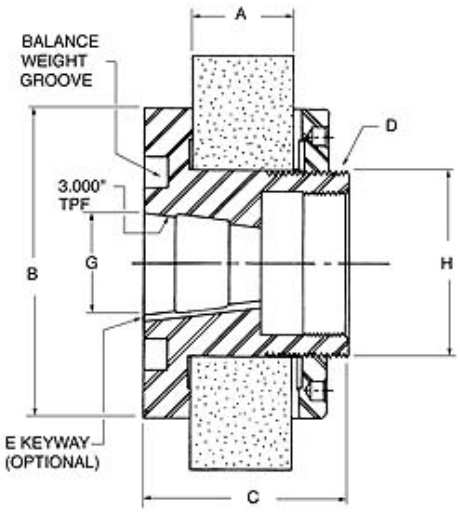


FIG. 2

00838	Three piece bronze balancing weight set for 01318, 01319, 01320, 01321, 01322, 01323
00830	Three piece bronze balancing weight set for 01312, 01316, 01317.
00832	Three piece bronze balancing weight set for 01313.



00830

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000", AND 5.000" ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01337

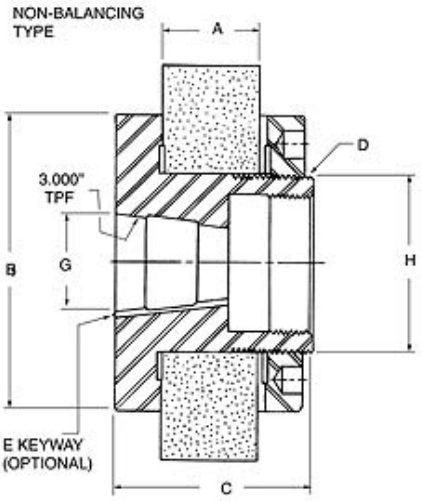


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
50328	2	1 to 1-1/2	5	3-1/4	3-16LH	1/4	1.62	3.000
01330	2	1-1/4 to 2	5	3-9/16	3-16LH	1/4	1.62	3.000
01324	2	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01325	1	1-1/4 to 2	5	3-9/16	2-16LH	1/4	1.62	2.000
01326	1	1-1/4 to 2	5	3-3/8	3-16RH	1/4	1.62	3.000
01327	2	3/4 to 2	5	3-3/8	3-16LH	-	1.62	3.000
01328	2	3/4 to 2	5	3-3/8	3-16RH	-	1.62	3.000
01329	1	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01332 *	2	1-1/4 to 2	7	3-9/16	3-16LH	1/4	1.62	3.000
01331 *	2	1-1/4 to 2	7	3-9/16	3-16RH	1/4	1.62	3.000
01333	2	3/4 to 2	6	3-3/8	4-16LH	-	1.62	4.000
01334	2	3/4 to 2	6	3-3/8	4-16RH	-	1.62	4.000
01335	2	3/4 to 2	7	3-3/8	5-16LH	-	1.62	5.000
01336	2	3/4 to 2	7	3-3/8	5-16RH	-	1.62	5.000
01337	2	1 to 2-1/2	5	4-1/4	3-16RH	1/4	2.25	3.000
01338	2	1 to 2-1/2	5	4-1/4	3-16LH	1/4	2.25	3.000
01339 *	2	1 to 2-1/2	7	4-1/4	3-16RH	1/4	2.25	3.000
01340 *	2	1 to 2-1/2	7	4-1/4	3-16LH	1/4	2.25	3.000

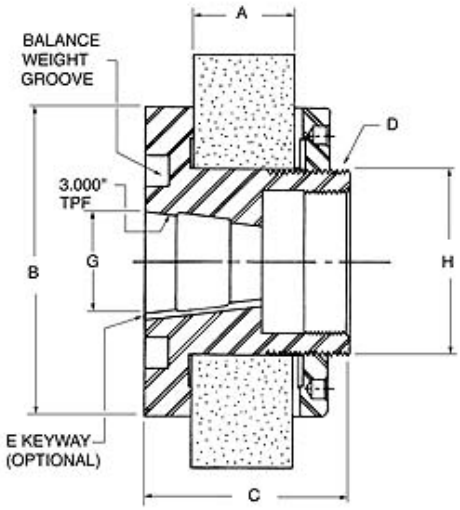


FIG. 2

00831	Three piece bronze balancing weight set for 01324, 01330, 01331, 01332, 01337, 01338, 01339, 01340.
00834	Three piece bronze balancing weight set for 01326.



00831

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All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* 5" diameter nut.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 5.000" AND 8.000" ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use.



01342

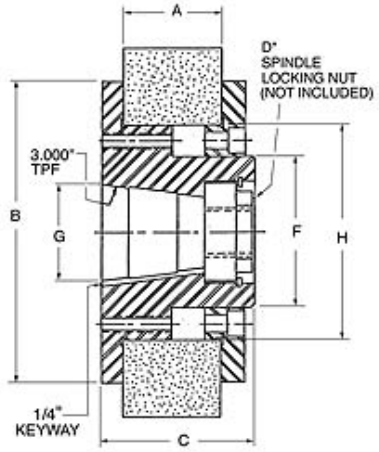


FIG. 1

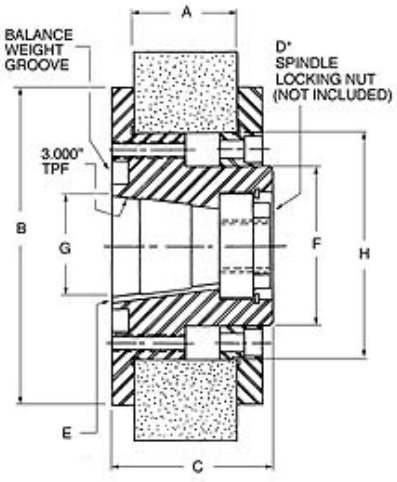


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS A	B	C	D*	F	G	H	SNAP RING
01341	1	3/4 to 1-1/2	7	2-9/16	3/4-16	3-1/2	1.62	5.000	04248
01357	1	1 to 2-1/2	7	3-9/16	1-1/8-12	3-1/2	2.25	5.000	04358
01342	2	3/4 to 1-3/4	7	2-13/16	3/4-16	3-5/8	1.62	5.000	01830
01343	2	1 to 2-1/2	7	3-9/16	1-1/8-12	3-5/8	2.25	5.000	01830
01344	2	1-3/4 to 3	10	4-1/16	1-1/8-12	4	2.25	8.000	01830

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01341	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
01342	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
	1-1/2 to 1-3/4	01797	3/8-16X2-1/4	4

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	1 to 1-1/2	01798	3/8-16X1-1/2	4
01343	1-3/4 to 2	01797	3/8-16X2-1/4	4
01357	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	1-3/4 to 2	01797	3/8-16X2-1/4	4
01344	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	2-3/4 to 3	01800	3/8-16X3-1/4	4



01797



00828

00828	Three piece bronze balancing weight set for 01342 and 01343.
00826	Three piece bronze balancing weight set for 01344.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 3.000" AND 5.000" ID WHEELS.



01353 (Front Side)



01351 (Taper Side)

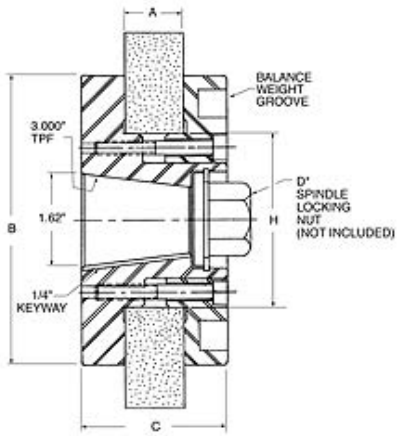


FIG. 1

SOPKO FIG.	DIMENSIONS

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CATALOG NO.		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

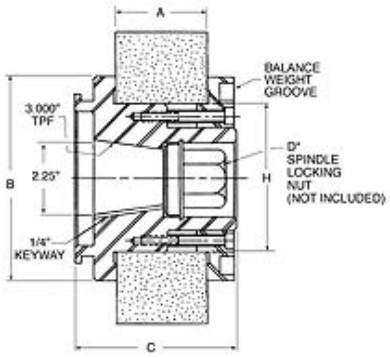


FIG. 2

OPTIONAL SOCKET HEAD CAP SCREW SETS.

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.
00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000" TPF WITH 2.62", 3.00" AND 3.75" DIAMETER AT LARGE END OF TAPER.
FOR 5.000", 8.000" AND 12.000" ID WHEELS.

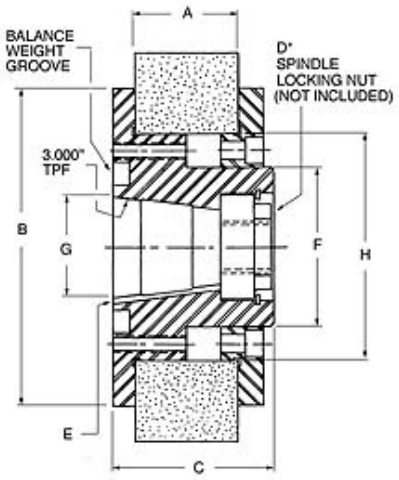
The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision

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ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use. And of course, the high quality internal taper is unsurpassed for precision spindle mounting.



01345



SOPKO CATALOG NO.	DIMENSIONS								SNAP RING
	A	B	C	D*	E	F	G	H	
01345	1-1/2 to 2-3/4	7	4-3/16	1-1/2-12	1/4	3-5/8	2.62	5.000	01830
01346	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	2.62	12.000	01830
01347	1-3/4 to 3	7	4-11/16	1-1/2-12	1/4	3-5/8	3.00	5.000	01830
01348	1-3/4 to 3	10	4-5/16	1-1/2-12	1/4	5-1/2	3.00	8.000	01830
01349	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	3.00	12.000	01830
01350	2-1/4 to 4	10	5-1/2	2-1/4-12	3/8	5-1/2	3.75	8.000	04331



01801

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01345	1-1/2 to 2	01801	3/8-16X2-1/2	4
	2-1/4 to 2-3/4	01800	3/8-16X3-1/4	4
01346	1-3/4 to 2-1/4	01811	3/8-16X3	6
01347	2-1/2 to 3	01802	3/8-16X3-1/2	4
01349	6			
01348	1-3/4 to 2-1/4	01803	1/2-13X3	6
	2-1/2 to 3	01804	1/2-13X3-1/2	6
	2-1/4 to 2-3/4	01805	1/2-13X2-1/2	6
01350	3 to 3-1/2	01806	1/2-13X3-1/4	6
	4	01807	1/2-13X4	6



00829

00829	Three piece bronze balancing weight set for 01346 and 01349.
00826	Three piece bronze balancing weight set for 01345, 01347, 01348, and 01350.

All balancing style adapters include the three piece bronze balancing weight set.

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See page 12 and 13 for standard taper balancing adapters.
* See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

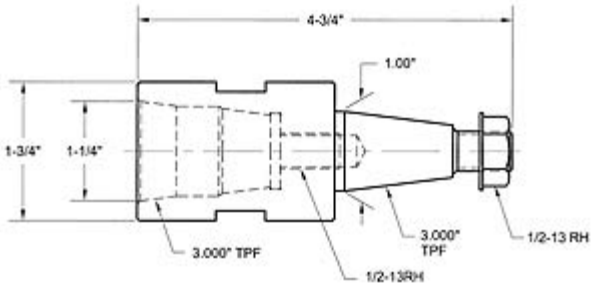
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

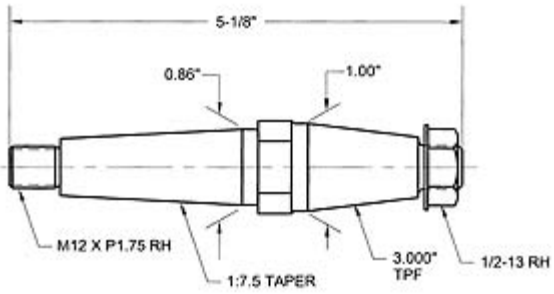
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Spindle Conversion Quills.

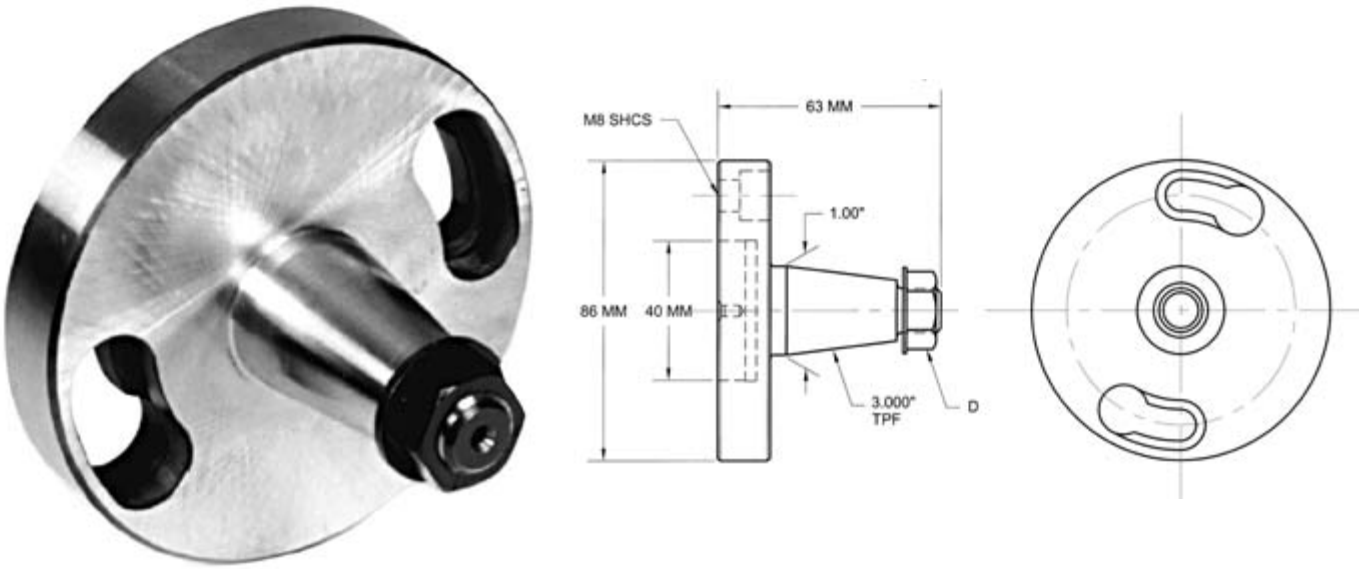
50312 Converts 3" TPF, 1.25" LE to 3" TPF, 1" LE



50190 Converts Schütte 1:7.5 Taper Ratio to 3" TPF, 1" LE



Converts Schütte WU400-5C RH Spindle to 3" TPF, 1" LE



SOPKO CATALOG NO.	DIMENSIONS D
50045	1/2-13RH
50203	1/2-13LH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16” wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

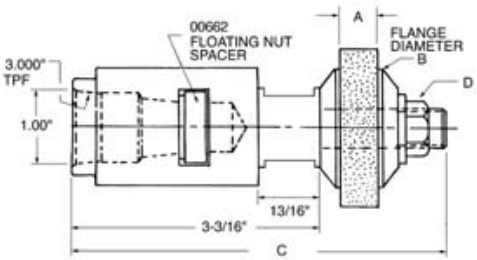


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

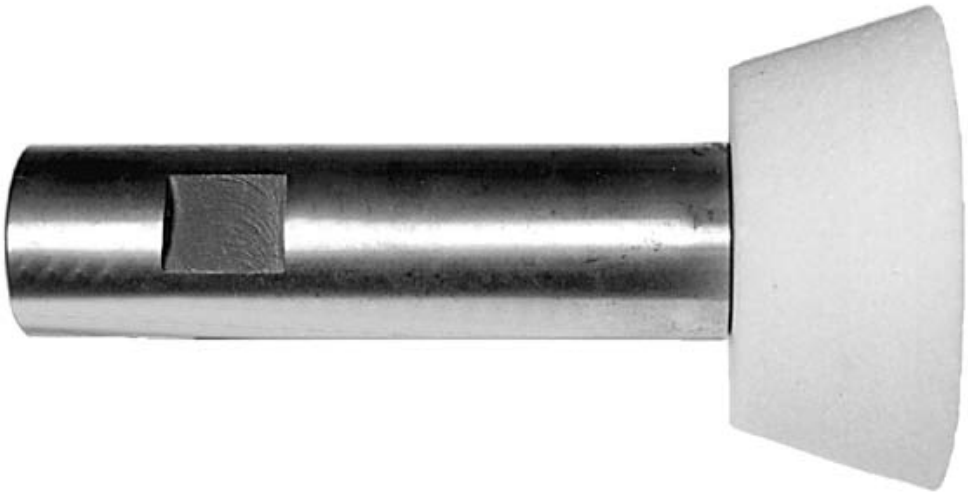
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Cincinnati Taper Old Style I.D. Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND THE SET-UP TIME OF A HIGH SPEED ATTACHMENT.

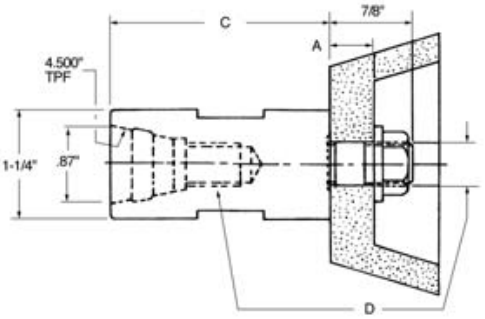
CHECK THESE FEATURES!

- GROUND diameters for CONCENTRICITY.
- HEAT TREATED for STRENGTH and SAFETY.
- PRECISION GROUND taper for RELIABLE spindle mating.
- IN STOCK for immediate shipment.



13426*

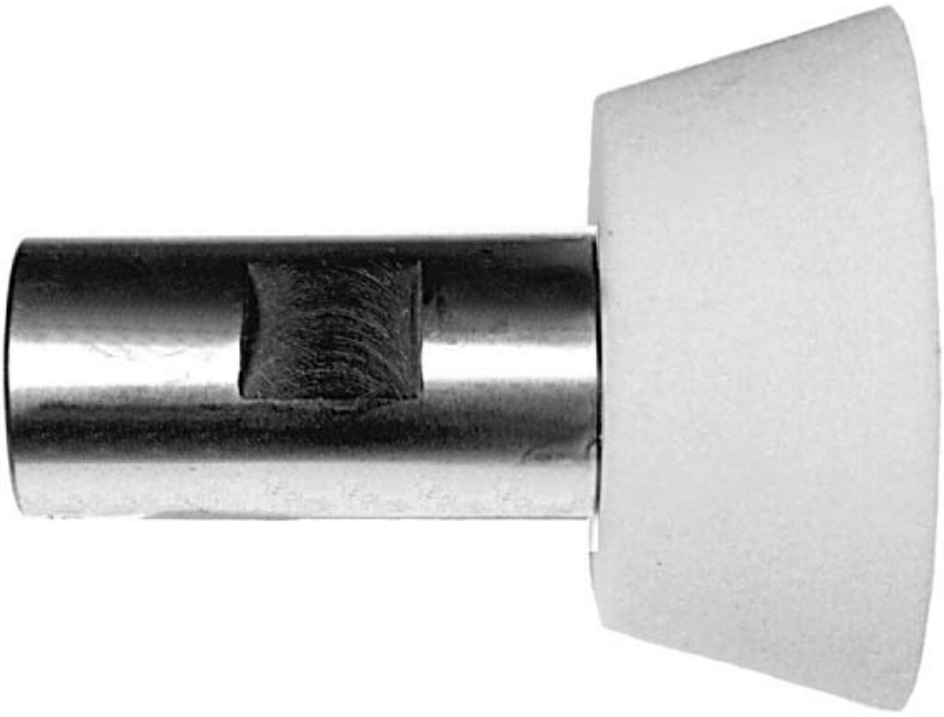
Designed for added reach, the IDWE comes complete with a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13458	134518-LH	3/8 to 1/2	4-1/2	1/2-13LH
13426	134269-RH	3/8 to 1/2	4-1/2	1/2-13RH

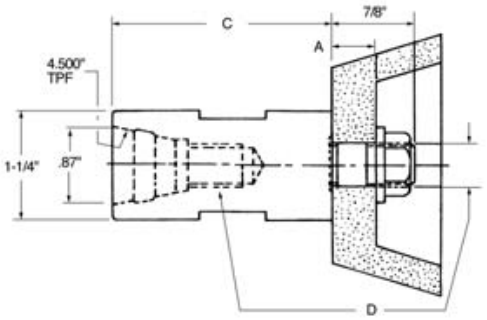
Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.

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78515*

Identical to the long series above but 2" shorter OAL. Has a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13456	134516-LH	3/8 to 1/2	2-1/2	1/2-13LH
78515	78515-RH	3/8 to 1/2	2-1/2	1/2-13RH

Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Male Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

SHORT MALE EXTENSIONS provide increased utility because grinding wheels already mounted do not need to be dismounted. This feature is especially useful when grinding with diamond wheels. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut. A 1-1/8” wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

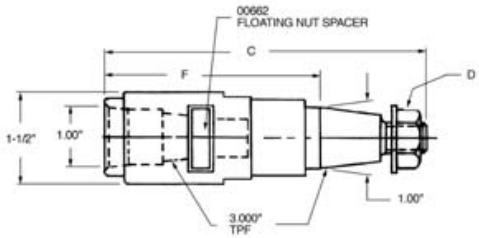


00237

LONG MALE EXTENSIONS are designed for even greater clearance possibilities with their added reach. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut.



00257



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F
00237	200-3-1/2LH	5-1/4	1/2-13LH	HEX 3-1/2
00238	200-3-1/2RH	5-1/4	1/2-13RH	HEX 3-1/2
00257	200-5LH	6-5/8	1/2-13LH	HEX 4-7/8

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00258	200-5RH	6-5/8	1/2-13RH	HEX 4-7/8

* See page 76 for available hex spindle nut sizes.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Old Style Male Extensions.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
EXTEND THE REACH OF YOUR CINCINNATI ADAPTERS.

Made for older Cincinnati flat belt, center drive spindles, these extensions offer added reach when standard adapters won't work. Increased utility is achieved because grinding wheels mounted on Cincinnati taper adapters need not be dismounted. Very useful when grinding with diamond wheels, the extensions come complete with a 1/2-13 hex spindle nut to safely secure adapters.
A 1-1/16" wrench flat on the body diameter makes installation and removal easy.

TIME-SAVING FEATURES:

- PRECISION internal Cincinnati taper for RELIABLE spindle mounting.
- PRECISION external Cincinnati taper for PROPER adapter mounting.
- GROUND external threads for CONCENTRICITY and SQUARENESS.
- HEAT TREATED for strength and rigidity.

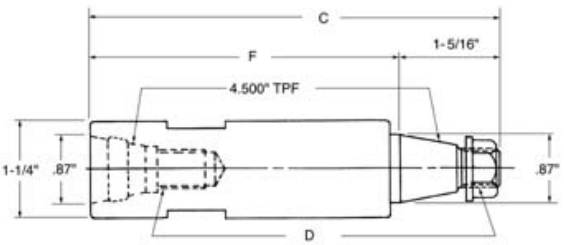


67791



73281

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C	D	F
13457	134517-LH	5-5/16	1/2-13LH	4
67791	67791-RH	5-5/16	1/2-13RH	4
00134	134515-LH	3-3/8	1/2-13LH	2-1/16
73281	73281-RH	3-3/8	1/2-13RH	2-1/16



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Cincinnati Taper New Style Male Extensions.

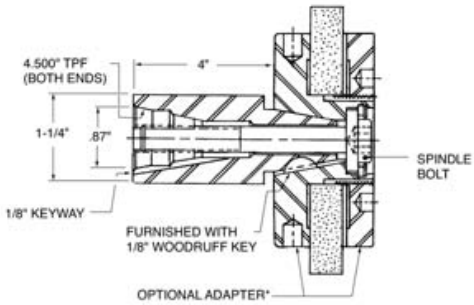
4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
EXTEND THE REACH OF YOUR CINCINNATI ADAPTERS.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this extension offers added reach for operations where regular adapters won't work. Increased utility is obtained because mounted grinding wheels need not be dismounted. Very useful when grinding with diamond wheels, the extension comes complete with a 3/8-16RH spindle bolt 15674 that runs through the body and locks the extension and wheel adapter onto the taper.



56173

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS OAL
56173	156173RH	4-13/16

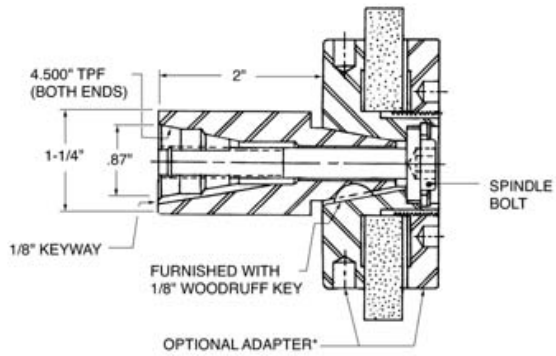


Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this extension offers the same quality features as the 56173 above but 2" shorter OAL. Furnished with 3/8-16RH spindle bolt 15671.



56172

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS OAL
56172	156172RH	2-13/16



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Pin Slot Wheel Adapters for Reversing Spindles.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.



00094



00275



00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F
00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-
00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

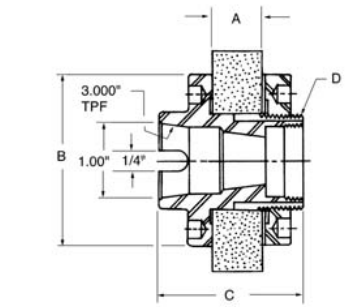


FIG. 1

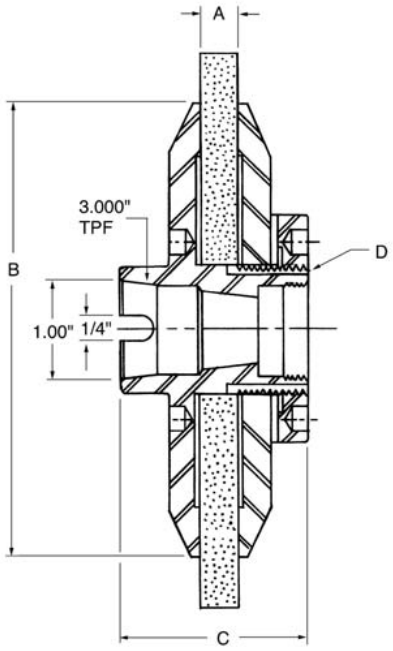


FIG. 2

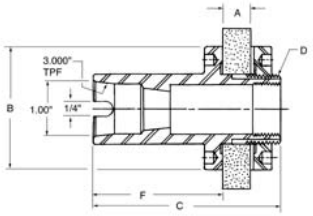


FIG. 3

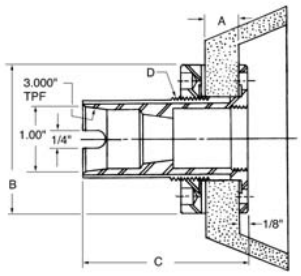


FIG. 4

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Wheel Adapters.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Adapter locked on spindle taper with bolt.



SOPKO CATALOG NO.	FIG	SOPKO PART NO.	DIMENSIONS A	B	C	D
00108**	1	C100-1KW	3/4 to 1	2-1/4	2	1-1/4-16LH
00253**	1	C100-2KW	3/4 to 1	2-1/4	2	1-1/4-16RH
00278*	1	C200-1KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
00239*	1	C200-2KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH
00279*	1	CX200-2KW	1/4 to 1/2	2	1-3/8	1-1/4-16RH
00407**	1	C400-1AKW	2	2-1/4	3	1-1/4-16LH
00408**	1	C400-2AKW	2	2-1/4	3	1-1/4-16RH
00409**	1	C400-1BKW	1 to 2	2-1/4	3	1-1/4-16LH
00411**	1	C400-2BKW	1 to 2	2-1/4	3	1-1/4-16RH
00282*	2	C230-1KW	1/4 to 1/2	3	1-3/8	1-1/4-16LH
00283*	2	C230-2KW	1/4 to 1/2	3	1-3/8	1-1/4-16RH
00284*	2	C235-1KW	1/4 to 1/2	3-1/2	1-3/8	1-1/4-16LH

*Spindle mounting bolt 14362 and retaining ring 04269 included.
**Includes spindle mounting bolt 14362 but no retaining groove or ring.

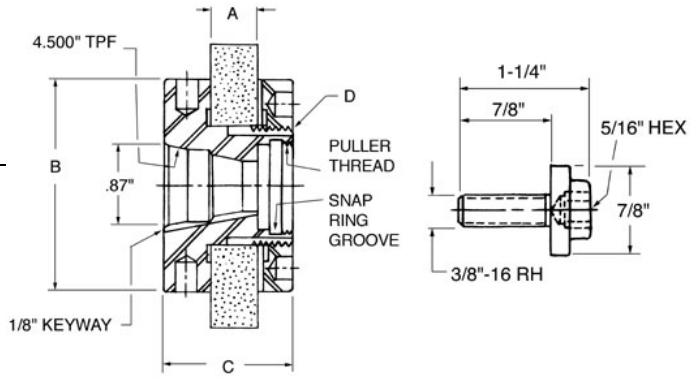


FIG.1

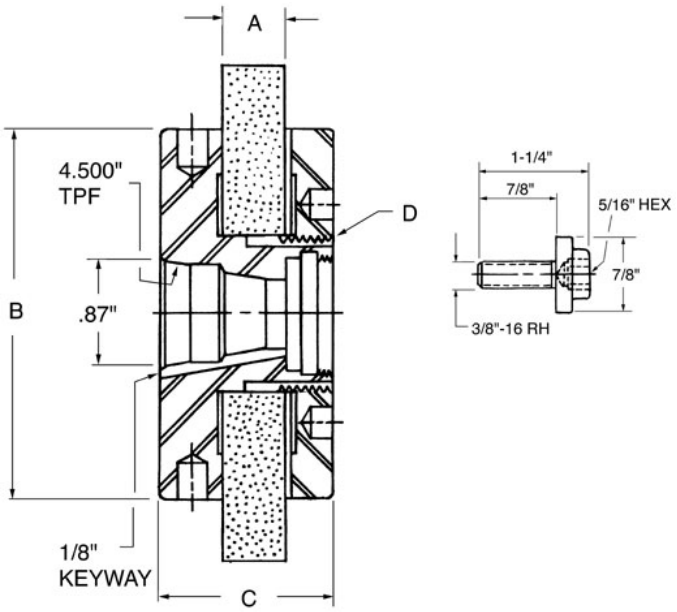


FIG.2

For older style Cincinnati flat belt, center drive spindles. No keyway in taper. Adapter locked on spindle taper with spindle nut.*



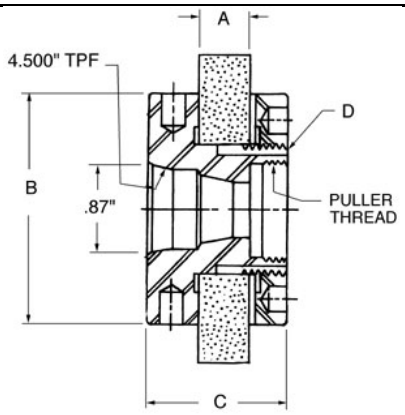


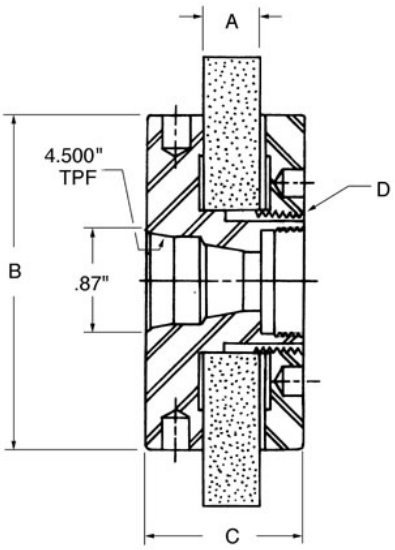
FIG.1

SOPKO CATALOG NO.	FIG	SOPKO PART NO.	DIMENSIONS A	B	C	D
00103	1	C100-1	3/4 to 1	2-1/4	2	1-1/4-16LH
00104	1	C100-2	3/4 to 1	2-1/4	2	1-1/4-16RH
00205	1	C200-1	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
00206	1	C200-2	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH
00280	1	C200-2C	1/2	2-1/4	1-3/8	1-1/4-16RH
00281	1	CX200-2	1/4 to 1/2	2	1-3/8	1-1/4-16RH
00442	1	C400-1A	2	2-1/4	3	1-1/4-16LH
00443	1	C400-2A	2	2-1/4	3	1-1/4-16RH
00444	1	C400-1B	1 to 2	2-1/4	3	1-1/4-16LH
00445	1	C400-2B	1 to 2	2-1/4	3	1-1/4-16RH
00109	2	C130-2	3/4 to 1	3	2	1-1/4-16RH
00287	2	C230-1	1/4 to 1/2	3	1-3/8	1-1/4-16LH
00288	2	C230-2	1/4 to 1/2	3	1-3/8	1-1/4-16RH

*Spindle mounting nut not included.

FIG.2

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

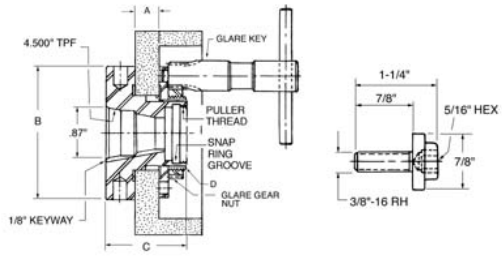
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Wheel Adapters
With Glare Gear Assembly.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Adapter locked on spindle taper with bolt.





01116**

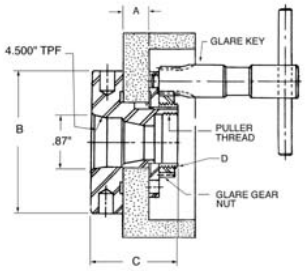
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
01125	GGC100-2KW	3/4 to 1	2-1/4	2	1-1/4-16RH
00571	GGC200-1KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH
01116	GGC200-2KW	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16RH

*Spindle mounting bolt 14362 and retaining ring 04269 included.
**Grinding wheel not included.

For older style Cincinnati flat belt, center drive spindles. No keyway in taper.
Adapter locked on spindle taper with spindle nut.*

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00909**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00909	GGC200-1	1/4 to 1/2	2-1/4	1-3/8	1-1/4-16LH

* Spindle mounting nut not included.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

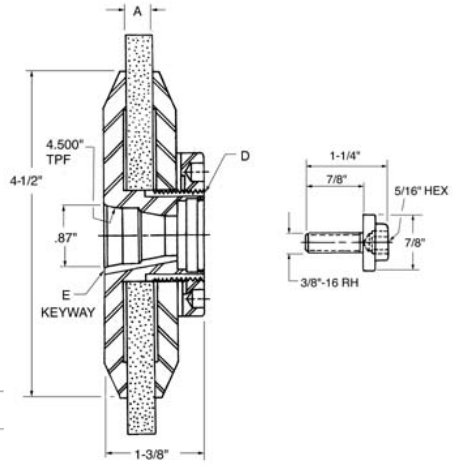
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Flanged and Cup Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 AND NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

Sopko flanged adapters are machined from forged alloy steel. The resulting one-piece hub design distributes mounting pressures away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one-piece design and the precision ground flange provides identical radial load-bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.





00457

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	D	E
00446	C4.5-1	0 to 1/2	1-1/4-16LH	-
00564*	C4.5-1KW	0 to 1/2	1-1/4-16LH	1/8
00158	C4.5-2	0 to 1/2	1-1/4-16RH	-
00457*	C4.5-2KW	0 to 1/2	1-1/4-16RH	1/8

*Spindle mounting bolt 14362 and retaining ring 04269 included.

Sopko cup wheel adapters are made with a THIN-WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED, and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive lock. A hardened nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN during spindle rotation.

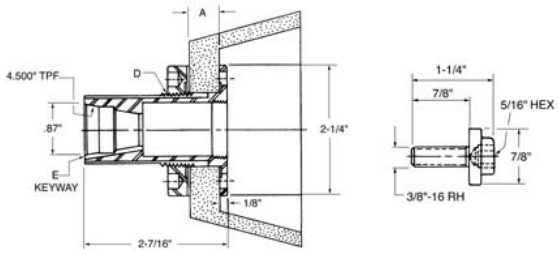
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00289 **00290†**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D	E
00289	C200-2CW	3/8 to 5/8	1-1/4-16RH	-
00290**	C200-2CWKW	3/8 to 5/8	1-1/4-16RH	1/8



** Includes spindle mounting bolt 14362 only.
†Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Cincinnati Taper Long Extended Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. USED ON ALL CINCINNATI NO. 1 OR NO. 2 SPINDLES, COVEL, AND GALLMEYER & LIVINGSTON CUTTER GRINDERS; OR ANY SPINDLES WITH .87" DIAMETER AT LARGE END OF TAPER AND 4.500" TPF.

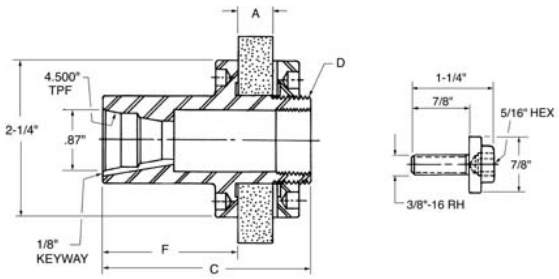
For newer style Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. Cincinnati taper long extended adapters are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinding applications where the operator must reach across a boss or other obstruction. The adapters also have application on cutter grinders and tool grinders.





00242 **00243**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	F
00240*	CE200-1A	1/4 to 3/4	3	1-1/4-16LH	1-15/16
00242*	CE200-2A	1/4 to 3/4	3	1-1/4-16RH	1-15/16
00241*	CE201-1A	1/4 to 3/4	4-7/16	1-1/4-16LH	3-3/8
00243*	CE201-2A	1/4 to 3/4	4-7/16	1-1/4-16RH	3-3/8



*Includes spindle mounting bolt 14362 only.

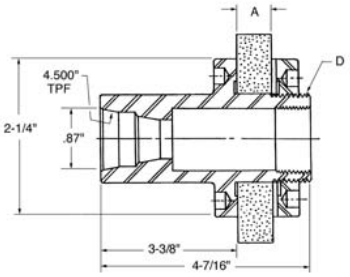
For older style Cincinnati flat belt, center drive spindles.

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00291

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00291	CE202-1A	1/4 to 3/4	1-1/4-16LH
00292	CE202-2A	1/4 to 3/4	1-1/4-16RH



Standard taper (3.000" TPF) long extended wheel adapters on page 14.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

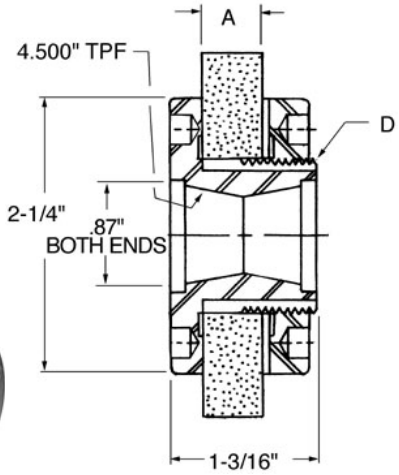
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Reversible Wheel Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way, without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper, and are securely locked against loosening by the wheel rotation. Manufactured from quality steel, then HARDENED AND GROUND to withstand the rigors of daily use.



CINCINNATI TAPER "OLD STYLE" REVERSIBLE WHEEL ADAPTER.
A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the older Cincinnati flat belt center drive spindles, the adapter comes complete with a 1/2-13LH 06074 and a 1/2-13RH 06073 slotted spindle nut.



00122

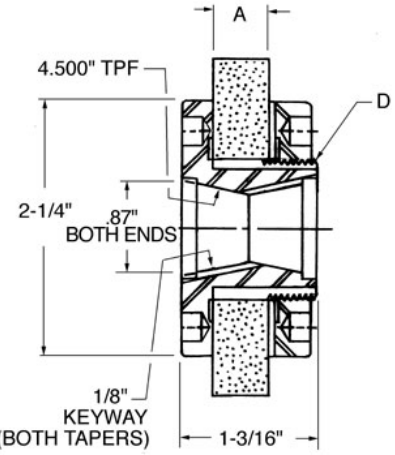
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00122	122RWA	1/4 to 1/2	1-1/4-16RH

CINCINNATI TAPER "NEW STYLE" REVERSIBLE WHEEL ADAPTER.
A precision ground double-taper makes wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. Designed for the newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. The adapter comes

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00123



complete with a 3/8-16RH mounting bolt 14362.

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	D
00123	122CRWA	1/4 to 1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Old Style Male Extensions.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
EXTEND THE REACH OF YOUR CINCINNATI ADAPTERS.

Made for older Cincinnati flat belt, center drive spindles, these extensions offer added reach when standard adapters won't work. Increased utility is achieved because grinding wheels mounted on Cincinnati taper adapters need not be dismounted. Very useful when grinding with diamond wheels, the extensions come complete with a 1/2-13 hex spindle nut to safely secure adapters. A 1-1/16" wrench flat on the body diameter makes installation and removal easy.

TIME-SAVING FEATURES:

- PRECISION internal Cincinnati taper for RELIABLE spindle mounting.
- PRECISION external Cincinnati taper for PROPER adapter mounting.
- GROUND external threads for CONCENTRICITY and SQUARENESS.
- HEAT TREATED for strength and rigidity.

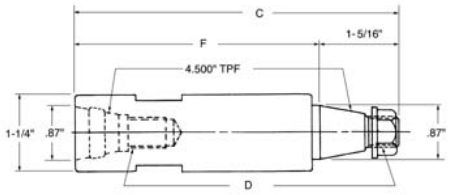


67791



73281

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C	D	F
13457	134517-LH	5-5/16	1/2-13LH	4
67791	67791-RH	5-5/16	1/2-13RH	4
00134	134515-LH	3-3/8	1/2-13LH	2-1/16
73281	73281-RH	3-3/8	1/2-13RH	2-1/16



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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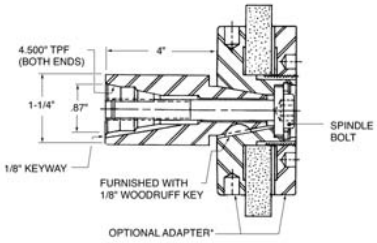
Cincinnati Taper New Style Male Extensions.
4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
EXTEND THE REACH OF YOUR CINCINNATI ADAPTERS.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this extension offers added reach for operations where regular adapters won't work. Increased utility is obtained because mounted grinding wheels need not be dismounted. Very useful when grinding with diamond wheels, the extension comes complete with a 3/8-16RH spindle bolt 15674 that runs through the body and locks the extension and wheel adapter onto the taper.



56173

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS OAL
56173	156173RH	4-13/16

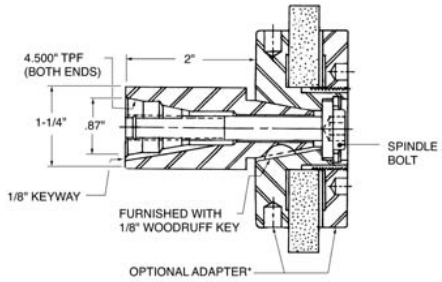


Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this extension offers the same quality features as the 56173 above but 2" shorter OAL. Furnished with 3/8-16RH spindle bolt 15671.



56172

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS OAL
56172	156172RH	2-13/16



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Collet Chuck Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND THE SET-UP TIME OF A HIGH SPEED ATTACHMENT.

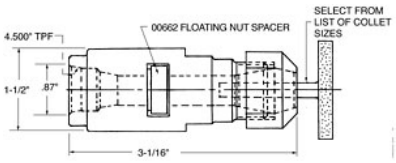
THERE IS A DIFFERENCE WITH SOPKO!

- Made from superior QUALITY alloy steel and heat treated for optimum performance.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- The extension body is GROUND for concentricity.
- The hardened collet nut has a precision internal taper

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that seats PRECISELY against the collet nose-angle to insure PROPER ENGAGEMENT of the grinding wheel shank.





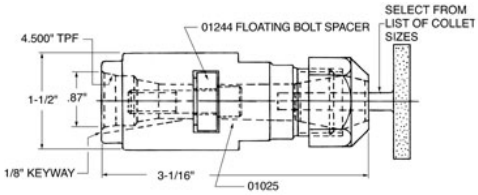
Ideal for older Cincinnati flat belt center drive grinder spindles. The set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.

SOPKO CATALOG NO.	SOPKO PART NO.
00757	C200-CCEA

6000 SERIES COLLETS* RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	COLLET CAPACITY
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

*Additional collet sizes are available on special order.

Ideal for newer style Cincinnati grinders having direct motorized and timing belt driven spindles with a 1/8" keyway in the taper. The set includes a 1/4" 6000 series collet 59108, collet nut 59125, floating bolt spacer 01244 (FN-2), and socket head cap screw 01025 (FN-B). The bolt is dropped into the extension and through the round floating bolt spacer. In this position the bolt acts as a draw thread to pull the collet chuck extension onto the spindle taper. A 1-1/4" wrench flat on the body makes installation and removal easy.





SOPKO CATALOG NO.	SOPKO PART NO.
00679	C200-CCEA-KW

Standard taper (3.000" TPF) collet chuck extension adapters on page 18.
*Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

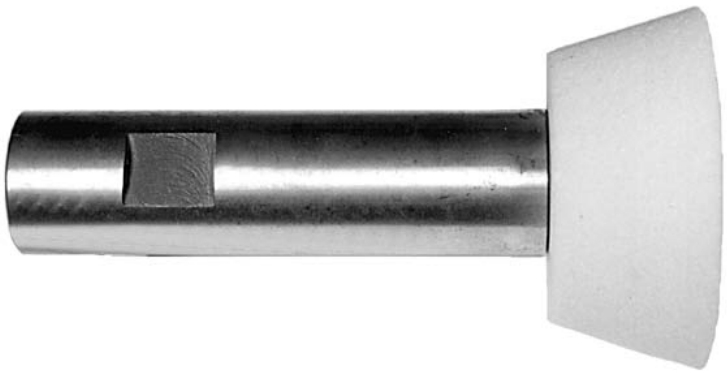
Cincinnati Taper Old Style I.D. Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND THE SET-UP TIME OF A HIGH SPEED ATTACHMENT.

CHECK THESE FEATURES!

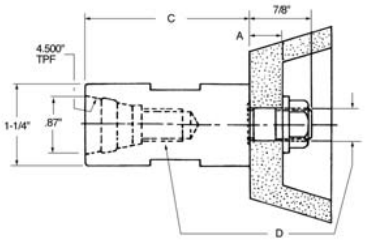
- GROUND diameters for CONCENTRICITY.
- HEAT TREATED for STRENGTH and SAFETY.
- PRECISION GROUND taper for RELIABLE spindle mating.
- IN STOCK for immediate shipment.

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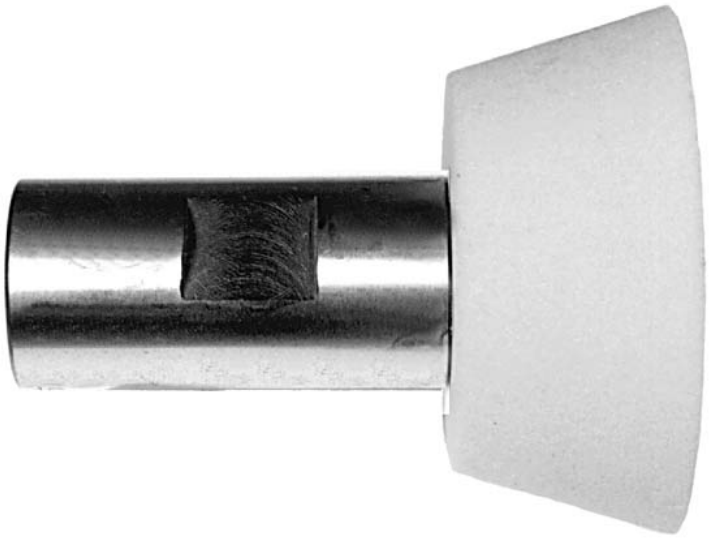
13426*

Designed for added reach, the IDWE comes complete with a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



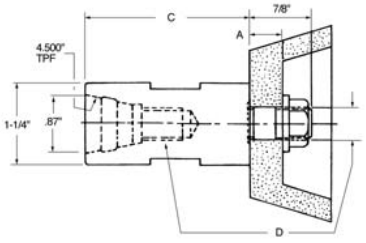
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13458	134518-LH	3/8 to 1/2	4-1/2	1/2-13LH
13426	134269-RH	3/8 to 1/2	4-1/2	1/2-13RH

Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.



78515*

Identical to the long series above but 2" shorter OAL. Has a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13456	134516-LH	3/8 to 1/2	2-1/2	1/2-13LH
78515	78515-RH	3/8 to 1/2	2-1/2	1/2-13RH

Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper New Style I.D. Wheel Extensions.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER. FOR .500" ID WHEELS.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

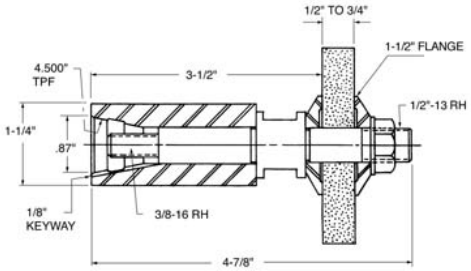
Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper. The 3/8-16RH thread on the arbor 04271 acts as a draw thread to pull the extension onto the taper and a 3/4" wrench flat makes installation and removal

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easy. The extension comes complete with two 1-1/2" mating side flanges 00053 (F4), a 1/2-13RH hex spindle nut 05002, and an extension body 04272.



55000



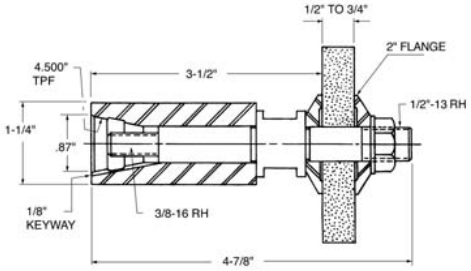
SOPKO CATALOG NO.	SOPKO PART NO.
55000	NS550

Standard taper (3.000 TPF) ID wheel extension adapters on page 16 and 17.

Made for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper and furnished with two 2" mating side flanges 00054 (F1), a 1/2-13RH hex spindle nut 05002, and an extension body 04272. The 3/8-16RH thread on the arbor 04271 acts as a draw thread to pull the extension onto the taper, and a 3/4” wrench flat makes installation and removal easy.



00483



SOPKO CATALOG NO.
00483

Standard taper (3.000 TPF) ID wheel extension adapters on page 16 and 17.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper New Style and Old Style Conversion Adapters.*

ID IS 4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
OD IS 3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
MOUNT STANDARD TAPER ADAPTERS ON CINCINNATI TAPER SPINDLES.

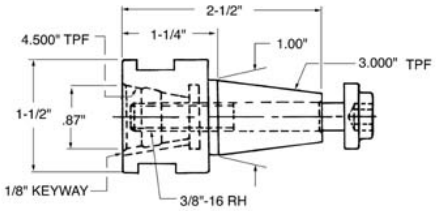
Designed for newer Cincinnati direct motorized and timing belt driven spindles having a 1/8" key in the taper, this conversion adapter allows you to mount any Standard Taper (3.000" TPF) adapter to your Cincinnati Taper spindles. Furnished with special spindle mounting bolt 04249.
A 1-1/4” wrench flat on the body makes installation and removal easy.



50081

SOPKO CATALOG NO.
50081

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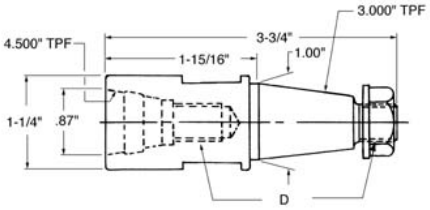


Designed for older Cincinnati flat belt center driven spindles, this conversion adapter features a Cincinnati Taper (4.500" TPF) in the ID and a Standard Taper (3.000" TPF) on the OD.
Now you can confidently mount standard taper adapters on your Cincinnati taper spindles. Furnished with a 1/2-13 hex spindle nut. A 1-1/16" wrench flat on the body makes installation and removal easy.



00114

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
00113	S113	1/2-13LH
00114	S114	1/2-13RH



*For additional double taper conversion quills see page 85, 86, 87, 88 and 89.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters For Metric Bore Wheels.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 32MM (1.217") ID WHEELS.



00174



00176

For 32MM Metric Bore Wheels



00170



00172

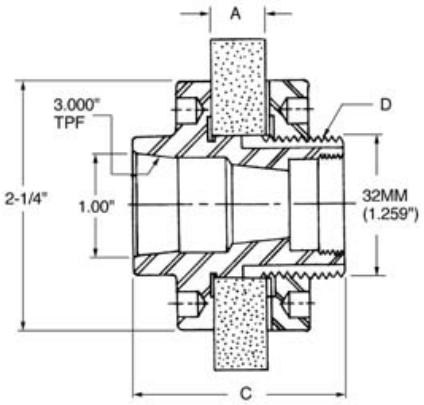


FIG. 1
For 32MM Metric Bore Wheels

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00170	1	1-100-1	1/2 to 3/4	1-7/8	1-1/4-16LH
00171	1	1-100-2	1/2 to 3/4	1-7/8	1-1/4-16RH
00172	1	2-200-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00173	1	2-200-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00174	1	3-300-1	3/4 to 1	2-1/4	1-1/4-16LH
00175	1	3-300-2	3/4 to 1	2-1/4	1-1/4-16RH
00176	2	2-230-1	1/4 to 1/2	1-3/4	1-1/4-16LH

*Other metric sizes quoted on request.

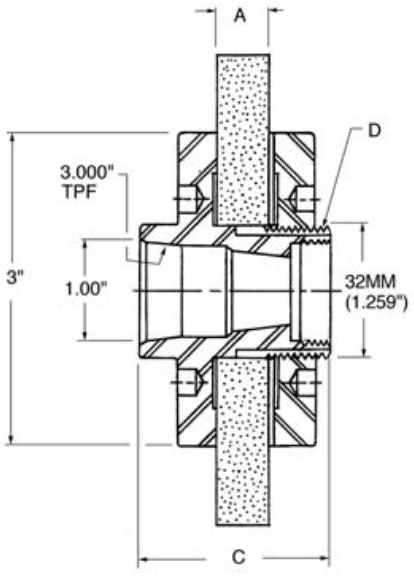


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Wheel Adapters for CNC Tool & Cutter Grinders
Mfg. by Strausak Corporation, Lohn, Switzerland.

11° 25' 16" INC ANGLE TAPER WITH 30MM (1.18”) DIAMETER AT LARGE END OF TAPER.
FOR 38MM (1.496”) AND 1.250" ID WHEELS.

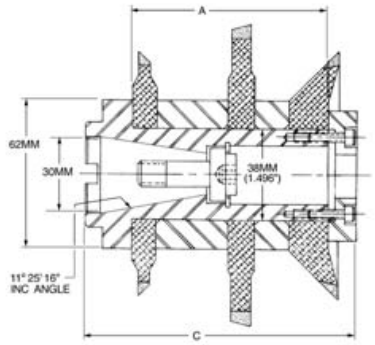
You need adapters that can handle the demanding applications that the Strausak Ecoflex CNC Tool & Cutter Grinder was designed to provide. Engineered specifically for the double ended spindle geometry of the Ecoflex system, Sopko adapters feature a bolt-on flange design that secures the wheel-pack regardless of spindle rotation. A pin-slot at the large end of the taper provides positive hub engagement for bi-directional rotation. Sopko adapters maximize the Strausak Ecoflex performance with precision ground tapers, carburized and hardened component parts for toughness, and ground, square and concentric flange faces that provide identical radial load-bearing surfaces to lock the multi-wheel-pack securely. Adapters are furnished with a M10xP1.5 draw-bolt 00037, bolt-on flange 00607, retaining ring 00486, and six M4xP.70 SHCS 01003 to clamp the flange and wheel-hub together.



(Front Side)



00383 **(Taper Side)**



SOPKO CATALOG NO.	STRAUSAK PART NO.	DIMENSIONS	
		A	C
00383	91-12-902	60MM (2.36”)	79MM (3.11”)
00382	91-12-901	80MM (3.15”)	100MM (3.94”)

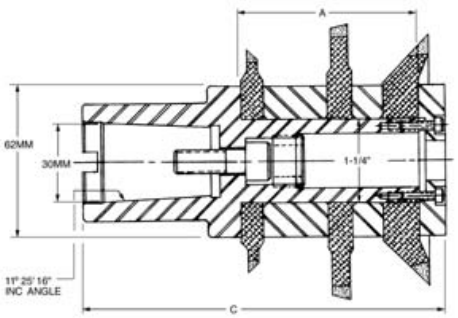
Incorporating all of the quality design features and benefits of the Strausak Ecoflex CNC Tool & Cutter adapters above, these adapters are made for 1-1/4" ID wheels. Now Strausak Ecoflex users have access to the wide variety of “standard bore”, 1-1/4" ID, wheels that are available.
Adapters are furnished with a M10XP1.5RH draw-bolt 02723, bolt-on flange 00588, 3/4-16 RH hollow set screw 02630, and six M4XP.70RH SHCS 01003 to clamp the flange and wheel-hub together.



00026
(Front Side)



00645
(Taper Side)



SOPKO CATALOG NO.	DIMENSIONS	
	A	C
00026	60MM (2.36”)	120MM (4.72”)
00645	80MM (3.15”)	141MM (5.55”)

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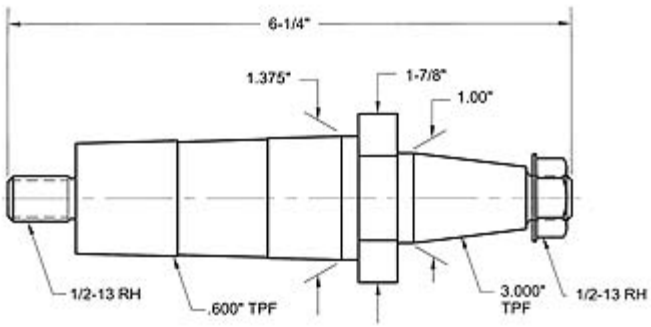
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

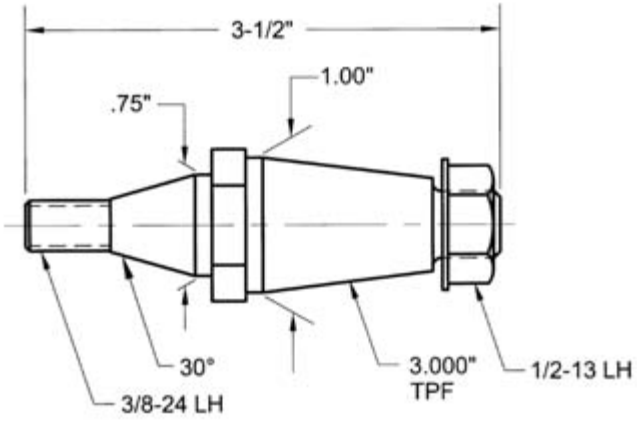
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Spindle Conversion Quills.

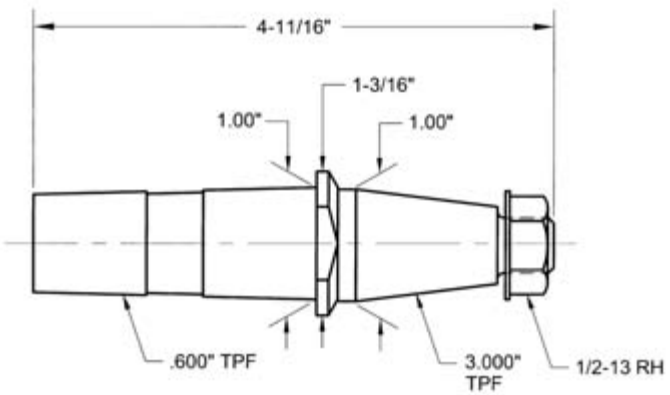
01172 Converts 1.375 Jarno RH Taper to 3" TPF, 1" LE



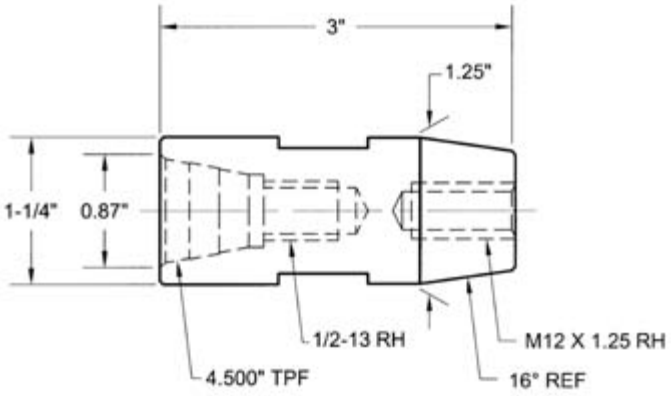
40017 Converts Cincinnati Monoset Taper to 3" TPF, 1" LE



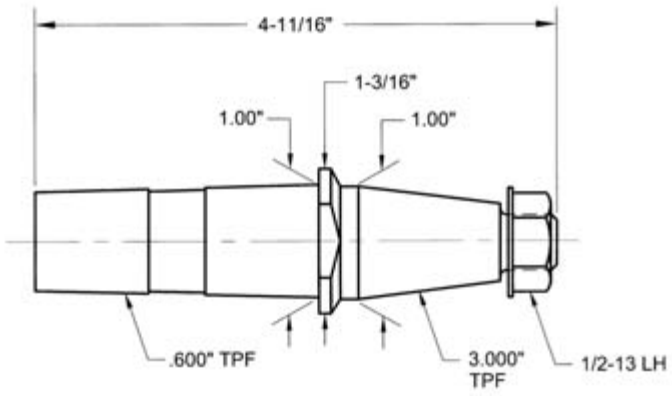
40012 Converts 1.000 Jarno PM to 3" TPF, 1" LE



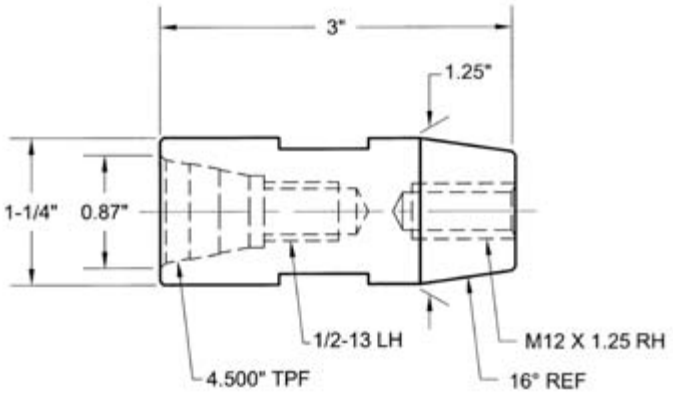
05338 Converts Older RH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE



40014 Converts 1.000 Jarno PM to 3" TPF, 1" LE



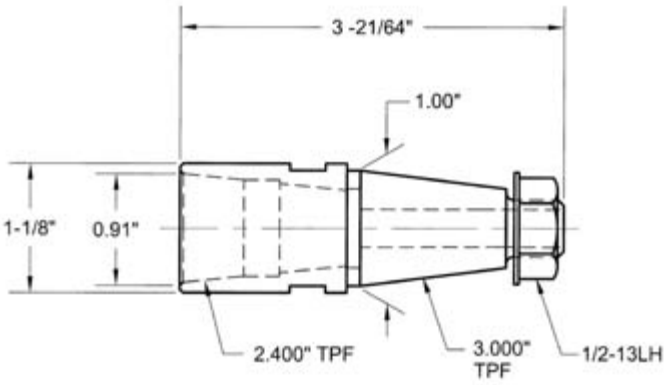
50342 Converts Older LH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE

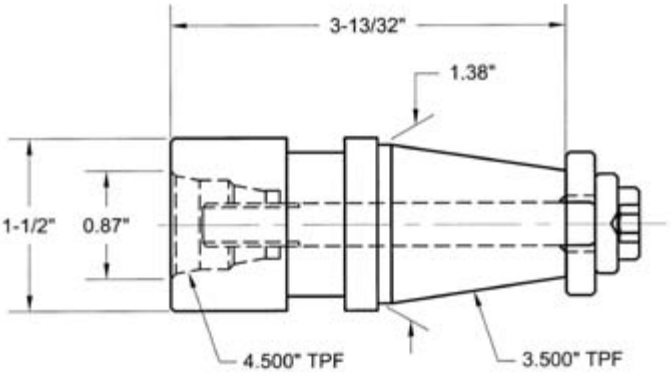


00962 Converts Walter NC50 Taper to 3" TPF, 1" LE

00914 Converts Newer RH Cincinnati 4.5" TPF, .87" LE to ANCA TG7 Taper

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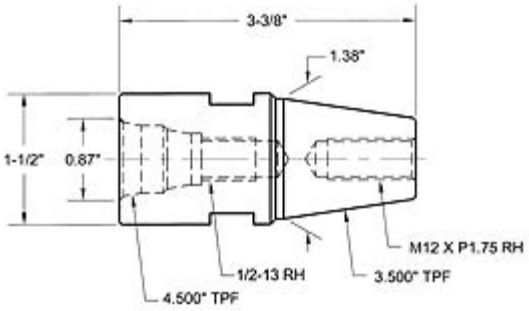
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

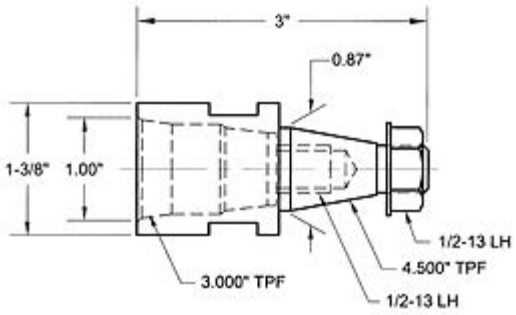
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Spindle Conversion Quills.

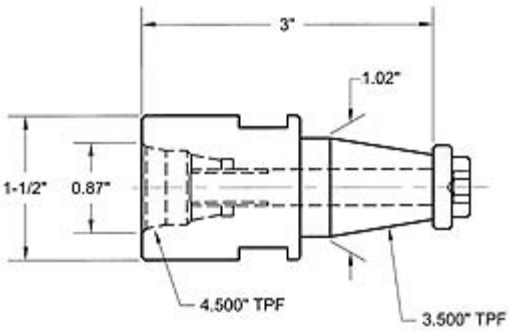
01118 Converts Older RH Cincinnati 4.5" TPF, .87" LE to ANCA TG7 Taper



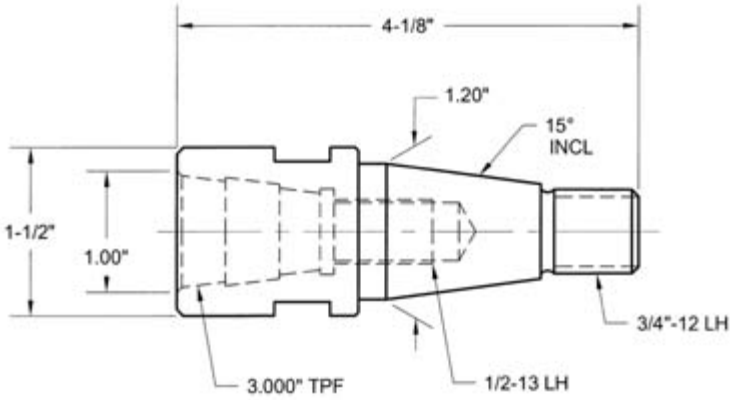
00322 Converts 3" TPF, 1" LE to Cincinnati 4.5" TPF, .87" LE



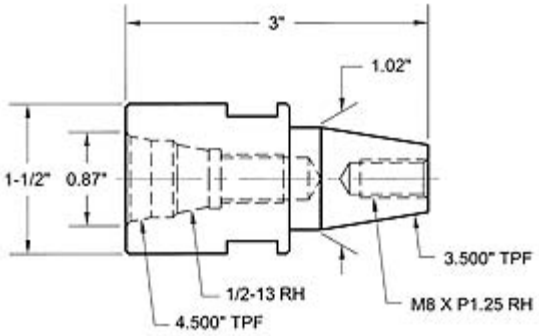
00489 Converts Newer RH Cincinnati 4.5" TPF, .87" LE to ANCA MG7 Taper



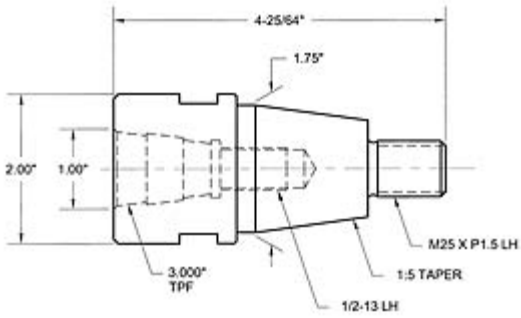
50324 Converts 3" TPF, 1" LE to Myford 15° Ref, 1.024" LE



00809 Converts Older RH Cincinnati 4.5" TPF, .87" LE to ANCA MG7 Taper



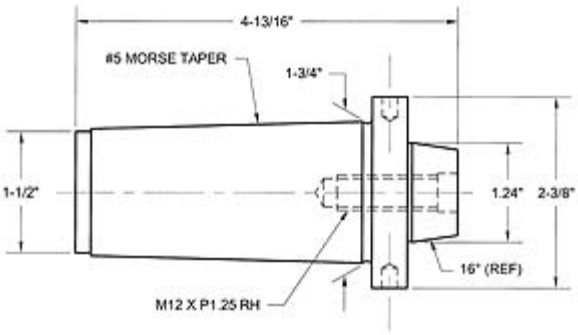
50325 Converts 3" TPF, 1" LE to Okamoto 1:5 Taper Ratio, 1.75" LE

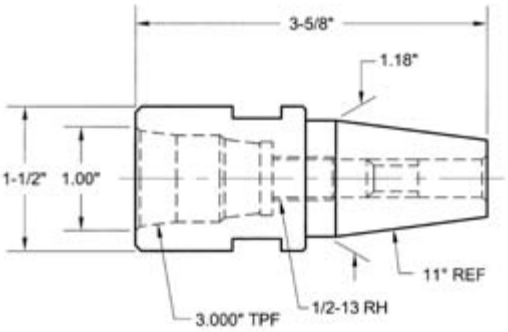


50348 Converts #5 Morse Taper to Walter 16° Ref, 1.25" LE

50366 Converts 3" TPF, 1" LE to Strausak 11° Ref, 30MM LE.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Wheel Adapters for Grinding Machines
Manufactured by ANCA, Victoria, Australia.

19° 05' 06" INC ANGLE TAPER AND 3.500" TPF WITH .85", 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER.

A Sopko innovation, Double Taper ANCA Conversion Adapters offer convenience and flexibility. Now, you can use conventional machines to accurately dress wheel-packs mounted on ANCA adapters without losing valuable production time. Two precision ground tapers provide reliable spindle and adapter mounting. Made from quality alloy steel, ANCA Double Taper Conversion Adapters are heat treated for strength, long-life, and rigidity. Diameters are ground for concentricity and squareness. These fine Sopko features combine to maintain the original high quality standards of the ANCA Fastgrind system. A 1-1/4” wrench flat on the body makes installation and removal easy.



50193

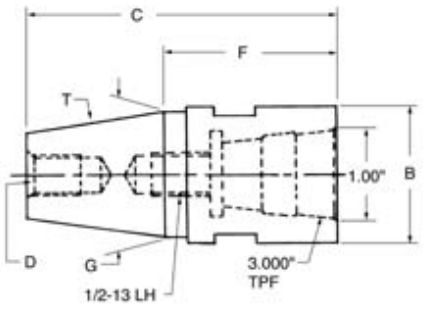


FIG. 1

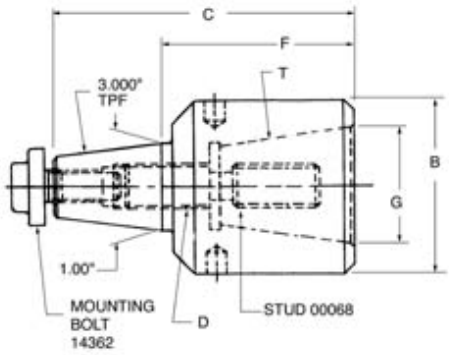


FIG. 2

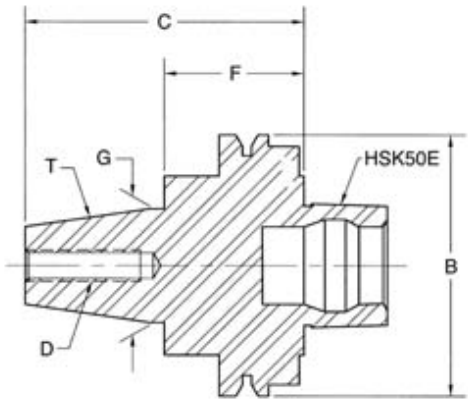


FIG. 3

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		B	C	D	F	G	T	MACHINE
50194	1	1-1/2	3	3/8-16RH	2-1/4	.85	19° 05' 06"	TG4
50354	1	1-1/2	3-3/8	M12X1.75RH	1-7/8	1.38	3.500	TG7/DM7
50192	1	1-1/2	3-3/8	M12X1.75RH	1-7/8	1.38	3.500	TG7/DM7
50178	2	2	3-1/2	M12X2.0RH	2-1/4	1.38	3.500	TG7/DM7
01150	3	80MM (3.15”)	3-7/16	M12X1.75RH	1-15/16	1.38	3.500	TG7/DM7
50193	1	1-1/2	3	M8X1.25RH	1-15/16	1.02	3.500	MG7/RG7/RGX
00497	1	1-1/2	3-23/32	M8X1.25RH	2-5/8	1.02	3.500	MG7/RG7/RGX

See ANCA spacers on page 75 and accessories on page 81 and 83.
See ANCA Mount/Dismount fixture on page 94.

SPINDLE MOUNTING BOLT AND LOCK WASHER SETS

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SOPKO CATALOG NO.	MACHINE	THREAD	LENGTH
00664	TG4 (00621)	3/8-16RH	2-3/4
00897	TG4 (00622)	3/8-16RH	4
01034	TG4 (00623)	3/8-16RH	1-3/4
01053	TG4 (00624)	3/8-16RH	3/4
01101	TG4 (00620)	3/8-16RH	4-1/2
00665	TG7/DM7	M12XP1.75RH	30MM (1.18”)
00667	TG7 (50163)	M12XP1.75RH	100MM (3.94”)
00666	MG7/RG7	M8XP1.25RH	30MM (1.18”)




00664 **00666**




00665 **00667**

RECESSED WASHERS

SOPKO CATALOG NO.	MACHINE	OD	ID	THICKNESS
00162	TG4	21MM (.83”)	10MM (.39”)	6MM (.24”)
00163	TG7/DM7	33MM (1.30”)	13MM (.51”)	7MM (.28”)
00164	MG7/RG7	22MM (.87”)	8.5MM (.33”)	15MM (.59”)



00164 **00163** **00162**

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Tools and Accessories for Wheel Adapters.

FLOATING NUT SPACERS, BOLTS, RINGS, STUDS, AND SET SCREWS.

00662 (FN-1) Floating nut spacer. 11/16" ID hex. Black oxide finish. For standard taper collet chuck extension adapters, long and short IDWEs, male extensions, and older style Cincinnati collet chuck extensions.



00663 (ENFN-1) Same as 00662 above but Electroless Nickel finish.



01244 (FN-2) Floating bolt spacer for new style Cincinnati collet chuck extension adapter 00679 (C200-CCEA-KW). 3/8" bore. Black oxide finish.



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01025 (FN-B) 3/8-16RH bolt for new style Cincinnati collet chuck extension adapter 00679 (C200-CCEA-KW). 1-1/4" long, 5/16" hex socket. Black oxide finish.



14362 (143627) 3/8-16RH spindle mounting bolt for new style Cincinnati adapters with 1/8" keyway in taper. 1-1/4" long, 5/16" hex, flanged head. Black oxide finish.



15671 (156171) 3/8-16RH flanged spindle mounting bolt for short new style Cincinnati extension 56172 (156172RH) with 1/8" keyway in taper. 3-1/4" OAL, 5/16" hex. Black oxide finish.



15674 (156174) 3/8-16RH flanged spindle mounting bolt for long new style Cincinnati extension 56173 (156173RH) with 1/8" keyway in taper. 5-1/4" OAL, 5/16" hex. Black oxide finish.



04249 3/8-16RH flanged spindle mounting bolt for conversion style Cincinnati adapter 50081,
2-7/8" OAL, 5/16" hex socket. Black oxide finish.



01829 This Cincinnati conversion stud allows use of “old style” adapters on new style spindles. 1/2-13RH thread, .69” long steps to 3/8-16RH thread, .81” long. 1-1/2” OAL. 3/16” hex socket on both ends.



04269 Series 4000 retaining ring for new style Cincinnati adapters.



04278 #29 music wire lock ring to hold spindle nuts in Pope style adapters.



Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

00825 Cup-Point 3/8-24 alloy socket set screws for Pope balancing weights.



00939 #10-32 nylon-tipped socket set screw for BR1 balancing rings, 00186 and 00187 nuts.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Sopko Mounting Brackets for any 3” Diameter Cartridge Spindles.

DESIGNED FOR HEALD MACHINE MODELS 70, 70A, 72, 72A, 75, 75A, AND 271, 272, 273A, 274, 275, 276, 280, 280A, 281, 290, 290A, 291, 170A, 180A, AND 190A.
Fits Okamoto IGM-2M and IGM-15CNC.

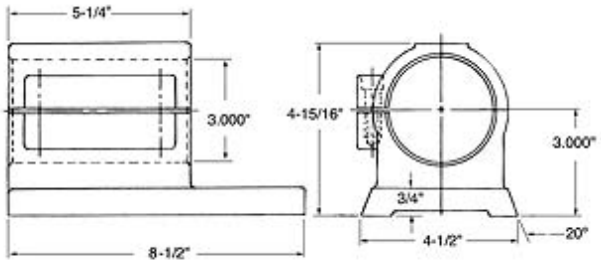
Sopko Mounting Brackets are made of aged cast iron to provide an anchor-like support for any 3" diameter cartridge spindle. Rigid by design, Sopko brackets feature a large surface area base plate for solid member contact. The accurately machined dovetail base provides positive alignment, easy positioning, and secure clamping for operator safety. A two bolt quick mount/dismount system keeps any spindle parallel to the mounting base during operation. The mounting bore is precisely finished for uniform clamping contact across the full diameter of the spindle for vibration-free operation.

01246 (HC30) MOUNTING BRACKET

Fits Heald machine models 70, 70A, 72, 72A, and 75A requiring a 3" center line distance from the base. Unit weight 14.15 lbs.



01246

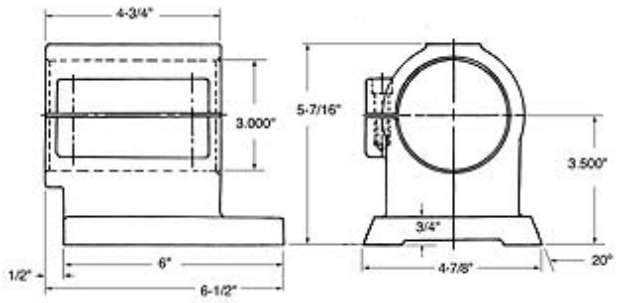


01178 (HC35) MOUNTING BRACKET

Fits Heald machine models 271, 272, 273A, 274, 275, 276, 280, 280A, 281, 290, 291, 170A, 180A, 280A, 281, 290, 291, 170A, 180A, and 190A requiring a 3-1/2" center line distance from the base. Unit weight 13 lbs. Fits Okamoto IGM-2M and IGM-15CNC machine models.



01178



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Sopko High Speed Attachment.

INCREASE THE USE OF YOUR SURFACE GRINDER.
USED ON HARIG, REID, K.O. LEE, PARKER MAJESTIC, AND MANY MORE.



08000

08000 Used to finish radii on dies or other parts requiring small contour grinding, this unit is perfect for the tool room, job shop, or any number of occasional use applications. Designed for long life and heavy use, the Sopko High Speed Attachment kit increases the productivity of your surface grinder. When attached, it's like having an extra machine in the shop at only a fraction of the cost. The center distance between the surface grinder spindle and the attachment spindle is held to a minimum with our latest bracket design. The attachment spindle is shorter in length than competitive units, allowing maximum over-table use horizontally or vertically. The High Speed Attachment is furnished as a complete kit including all standard items listed below. Unit net weight 30.1 LB. Shipping weight 34 LB.

Standard unit includes:

08001	Bracket.
08002	3" Diameter eccentric bushing for Harig, Reid No. 2, K.O. Lee, Parker Majestic, Hammond No. 2, and others with 3" diameter spindles.
08003	17,500 RPM grease lubricated spindle with 1-3/16" diameter pulley.
08004	5-9/16" Diameter flat belt pulley.
00200	(200-1) Adapter. Pulley is mounted on the adapter and balanced.
10197	5/8" X 20-1/4" Sopko flat belt (2 pcs).
00630	(630) 11/16" Open end wrench for series 4000 collet chuck nut.
00631	(603A) 5/8" Open end wrench for collet chuck quill wrench flat.
00640	(604A) 3/4" Open end wrench for end of spindle.
08005	1/8" Short arm hex wrench.
08006	1/4" Short arm hex wrench.
35135	Spanner-socket wrench.
08007	Wooden storage box.

Maintain safe speeds, refer to grinding wheel manufacturers' instructions and ANSI B7.1 or DIN 69170 safety standards.



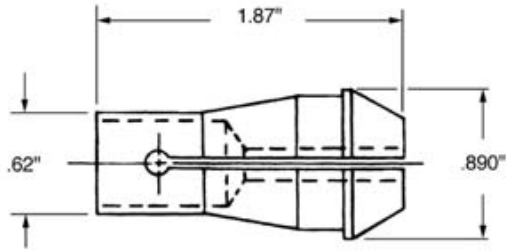
Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Double Taper Collets and Collet Nuts.*
SERIES 1000 and 2000.





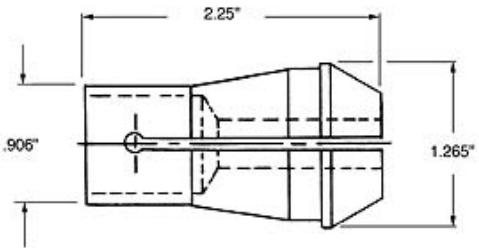
20143



20158

SERIES 1000 - RANGE 1/8" TO 1/2"

SOPKO CATALOG NO.	COLLET CAPACITY
20143	1/8
20147	3/16
20151	1/4
20152	17/64
20153	5/16
20154	21/64
20155	3/8
20156	13/32
20158	7/16
20161	1/2
20162	NUT





20193



20141



SERIES 2000 - RANGE 1/16" TO 3/4"

SOPKO CATALOG NO.	COLLET CAPACITY
20193	1/16
20192	1/8
20135	5/16
20136	3/8
20137	7/16
20138	1/2
20139	9/16
20140	5/8
20141	3/4
20142	NUT

* All sizes subject to manufacturers' availability.

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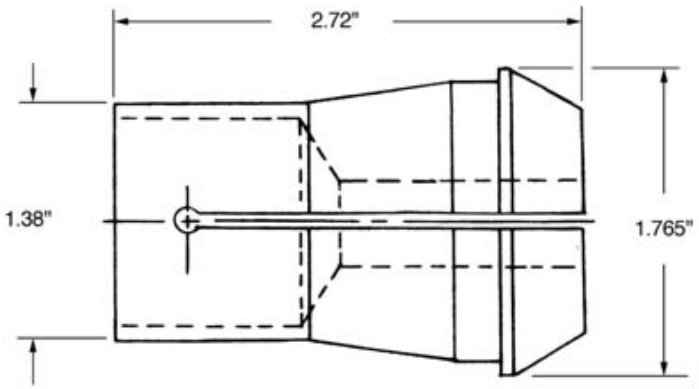
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Double Taper Collets and Collet Nuts.*

SERIES 3000.





20164



20175

SERIES 3000 - RANGE 3/8" TO 1-1/4"

SOPKO CATALOG NO.	COLLET CAPACITY
20164	25/64
20165	13/32
20167	17/32
20170	5/8
20171	11/16
20173	23/32
20174	3/4
20175	25/32
20178	27/32
20179	7/8
20180	29/32
20181	1
20182	1-1/16
20184	1-1/8
20185	1-3/16
20186	1-1/4
20187	NUT



20186



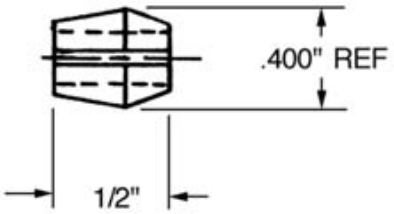
20187

* All sizes subject to manufacturers' availability.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Double Taper Collets and Collet Nuts.*

Series 4000 and 5000.



4000 SERIES - RANGE 1/16" TO 9/32"

SOPKO CATALOG NO.	COLLET CAPACITY
20000	1/16
20001	5/64
20002	3/32
20003	7/64
20004	1/8
20005	9/64
20006	5/32
20007	11/64
20008	3/16
20009	13/64
20010	7/32
20011	15/64
20012	1/4
20200	9/32
20013	NUT



20004



20000



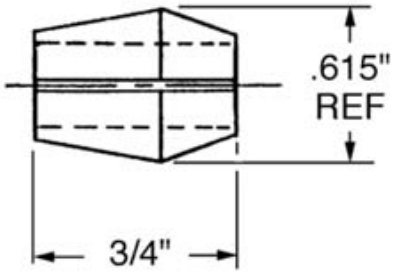
20008



20012



20013



5000 SERIES - RANGE 1/8" TO 3/8"

SOPKO CATALOG NO.	COLLET CAPACITY
20014	1/8
20015	9/64
20016	5/32
20017	11/64
20018	3/16
20019	13/64



20014



20018



20022

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20020	7/32
20021	15/64
20022	1/4
20023	17/64
20024	9/32
20025	19/64
20026	5/16
20027	21/64
20028	11/32
20029	23/64
20030	3/8
20031	NUT



20030



20031

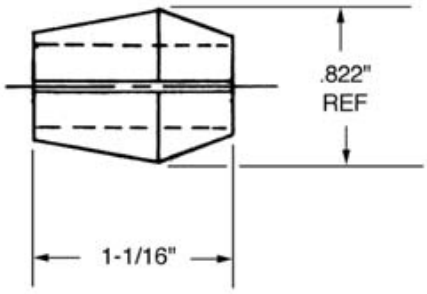
* Available in metric, letter, and number sizes within range.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Double Taper Collets and Collet Nuts.*

Series 6000.



6000 SERIES - RANGE 1/8" TO 1/2"

SOPKO CATALOG NO.	COLLET CAPACITY
59100	1/8
59101	9/64
59102	5/32
59103	11/64
59104	3/16
59105	13/64
59106	7/32
59107	15/64
59108	1/4
59109	17/64
59110	9/32
59111	19/64
59112	5/16
59113	21/64
59114	11/32
59115	23/64
59116	3/8
59117	25/64
59118	13/32
59119	27/64
59120	7/16
59121	29/64
59122	15/32
59123	31/64
59124	1/2
59125	NUT



59100



59108



59112



59116



59120



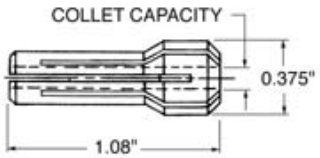
59125

*Available in metric, letter, and number sizes within range.

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Double Angle Collets and Collet Nuts.

Series 200 and 300.

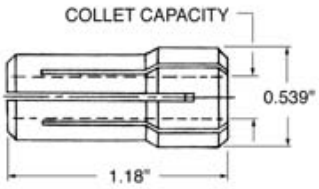


300 SERIES - RANGE 1/32" TO 1/4"

SOPKO CATALOG NO.	COLLET CAPACITY
20058	1/32
20059	3/64
20060	1/16
20061	5/64
20062	3/32
20063	7/64
20064	1/8
20065	9/64
20066	5/32
20067	11/64
20068	3/16
20069	13/64
20070	7/32
20071	15/64
20072	1/4
20189	SLEEVE
20073	NUT



Collet



200 SERIES - RANGE 3/64" TO 25/64"

SOPKO CATALOG NO.	COLLET CAPACITY
20074	3/64
20075	1/16
20076	5/64
20077	3/32
20078	7/64
20079	1/8
20080	9/64
20081	5/32
20082	11/64
20083	3/16
20084	13/64
20085	7/32
20086	15/64
20087	1/4
20088	7/64
20089	9/32
20090	19/64
20091	5/16
20092	21/64
20093	11/32
20094	23/64
20095	3/8
20096	25/64
20190	SLEEVE
20097	NUT



Sleeve



Nut

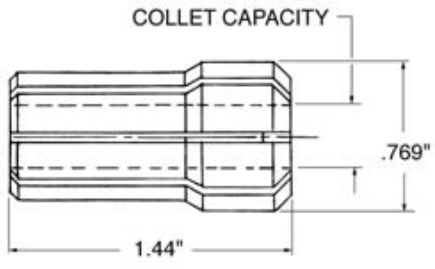
ROTATION:
RH: Right-hand threads for CCW spindle rotation.

CAUTION!

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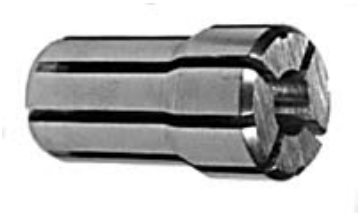
Double Angle Collets and Collet Nuts.

Series 100.



SERIES 100 - RANGE 3/64" TO 9/16"

SOPKO CATALOG NO.	COLLET CAPACITY
20098	3/64
20099	1/16
20100	5/64
20101	3/32
20102	7/64
20104	9/64
20105	5/32
20106	11/64
20107	3/16
20108	13/64
20109	7/32
20110	15/64
20111	1/4
20112	17/64
20113	9/32
20114	19/64
20115	5/16
20116	21/64
20117	11/32
20118	23/64
20119	3/8
20120	25/64
20121	13/32
20122	27/64
20123	7/16
20124	29/64
20125	15/32
20126	31/64
20127	1/2
20128	33/64
20129	17/32
20130	35/64
20131	9/16
20191	SLEEVE
20132	NUT



Collet



Sleeve



Nut

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Wheel Adapter Parts.

Nuts.



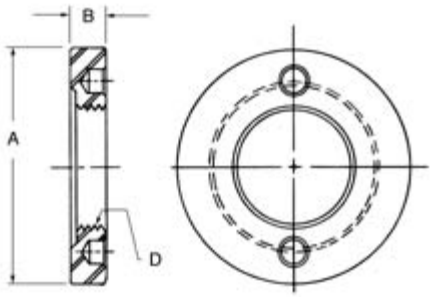
00020



00186



00599



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			DESCRIPTIONS
		A	B	D	
00024	S-110NR	1-3/8	1/4	3/4-16RH	For S-110 Monoset adapter
05529	-	1-5/8	1/4	1-20LH	For 1" ID wheel extension
05530	-	1-5/8	1/4	1-20RH	For 1" ID wheel extension
00155	X-200-NL	1-3/4	1/4	1-1/4-16LH	For X-200-1 adapter
00185	X-200-NR	1-3/4	1/4	1-1/4-16RH	For X-200-2 adapter
00296	913-0-00-1006	1.85	.39	1-1/4-16RH	For ANCA MG7 series adapters
00067	-	50 MM (1.97")	10 MM (0.39")	1-1/4-16RH	For ANCA RGX adapters, has two #10-32 00939 nylon-tipped set screws on O.D.
04284	-	1-7/8	1/4	11/16-24LH	For Wickman adapter 00676, two #10-32 tapped holes in face
05113	-	2	1/4	3/4-16RH	For S-111 Monoset adapter
04276	-	2	5/16	1-1/4-16LH	For Wickman adapter 00677, 00678 & 50074, two #10-32 tapped holes in face
00145	-	2	9/32	1-1/4-16LH	For Wickman adapter 00677 with two #10-32 tapped holes in face.
00416	W-401-NL	2-1/8	5/16	1-1/4-16LH	For Pope adapters 00529 and 00532
00425	W-401-NR	2-1/8	5/16	1-1/4-16RH	For Pope adapters 00530, 00531, and 00533
00020	200-NL	2-1/4	5/16	1-1/4-16LH	
00186	AN-200NL	2-1/4	5/16	1-1/4-16LH	Has two #10-32 00939 nylon-tipped set screws on O.D.
00187	AN-200NR	2-1/4	5/16	1-1/4-16RH	Has two #10-32 00939 nylon-tipped set screws on O.D.
00599 *	EN-200-NL	2-1/4	5/16	1-1/4-16LH	Electroless nickel plated
01238	SS-200-NL	2-1/4	5/16	1-1/4-16LH	Stainless steel
00021	200-NR	2-1/4	5/16	1-1/4-16RH	
00796 *	EN-200-NR	2-1/4	5/16	1-1/4-16RH	Electroless nickel plated
01229	SS-200-NR	2-1/4	5/16	1-1/4-16RH	Stainless steel
04279	-	2-1/4	3/8	1-1/2-16LH	For Abrasive adapter 00813
00643	-	2-5/16	1/4	1-1/4-16RH	

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00682	-	2-3/8	5/16	1-1/4-16RH	
00223	220-NL	2-7/16	3/8	1-1/4-16LH	
00224	220-NR	2-7/16	3/8	1-1/4-16RH	
01228 *	EN-220-NR	2-7/16	3/8	1-1/4-16RH	Electroless nickel plated
01243	EU230NL	3	5/16	1-1/4-16LH	For ball location adapter 00738 (has clearance angle on OD)
00273	230-NL	3	3/8	1-1/4-16LH	
01110 *	EN-230-NL	3	3/8	1-1/4-16LH	Electroless nickel plated
00274	230-NR	3	3/8	1-1/4-16RH	
00703 *	EN-230-NR	3	3/8	1-1/4-16RH	Electroless nickel plated
00156	96.5301.5001	3	3/8	2-16RH	For ANCA TG7 series adapters
04253	-	3	7/16	2-16LH	For Huffman adapters
04252	-	3	7/16	2-16RH	For Huffman adapters

* In stock, but Electroless nickel plating is available for all nuts at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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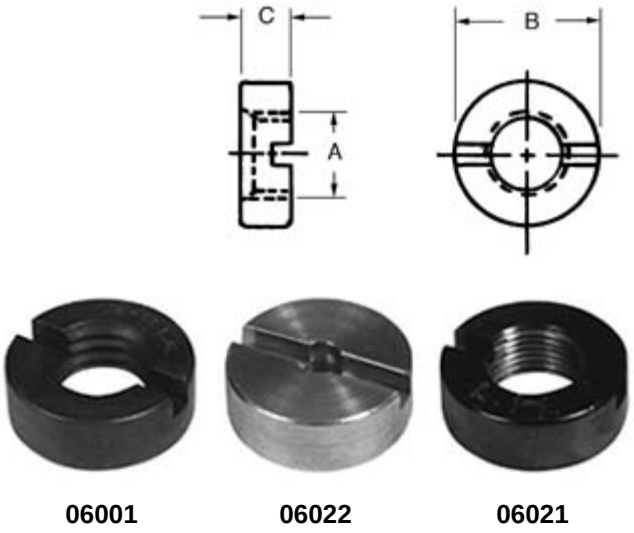
Wheel Adapter Parts.

Slotted Spindle Nuts.

Made from quality alloy steel and heat treated for strength, these spindle nuts feature a flange face precisely perpendicular to the thread for maximum clamping surface. The milled slot provides solid wrench engagement for safety. Right-hand and left-hand threads are easily identified with RH and LH designations stamped on the face. Nuts have black oxide finish.

Slotted Spindle Nuts

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	B	C
06001	S500-1	1/2-13LH	7/8	5/16
06002	S500-2	1/2-13RH	7/8	5/16
06003	S500-3	31/64-14LH	7/8	5/16
06004	S500-4	31/64-14RH	7/8	5/16
06005	S500-5	3/8-16LH	7/8	5/16
06006	S500-6	3/8-16RH	7/8	5/16
06007	S500-7	1/2-16LH	7/8	5/16
06008	S500-8	1/2-16RH	7/8	5/16
06009	S500-9	9/16-18LH	7/8	5/16
06010	S500-10	1/4-20RH	7/8	5/16
06011	S500-11	5/16-18RH	7/8	5/16
06012	S500-12	1/2-20LH	7/8	5/16
06013	S500-13	1/2-20RH	7/8	5/16
06022	S500-14	#5 DRILL (SOFT)	7/8	5/16
06015	S500-15	7/16-14LH	7/8	5/16
06016	S500-16	7/16-14RH	7/8	5/16
06021*	-	M12XP1LH	22MM (0.87”)	13MM (0.51”)

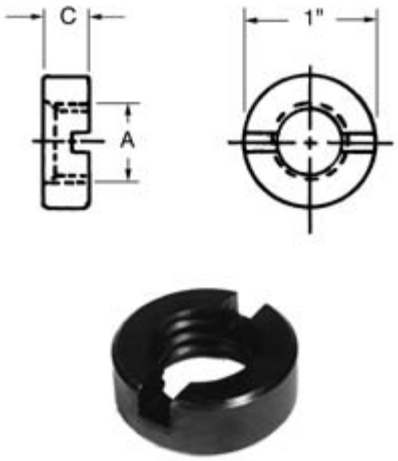


06001 **06022** **06021**

*Okamoto

Larger Slotted Spindle Nuts

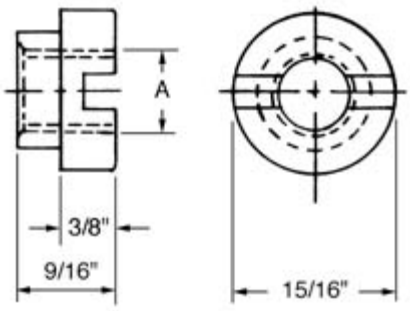
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	C
00948	S501-1	1/2-13LH	1/4
00949	S501-2	1/2-13RH	1/4
00954	S501-7	1/2-16LH	1/4
00952	S501-5	3/8-16LH	1/4
00953	S501-6	3/8-16RH	1/4
06018	-	5/8-11LH	3/8
06017	-	5/8-11RH	3/8
00950	S501-3	31/64-14LH	1/4
00951	S501-4	31/64-14RH	1/4



06018

Slotted Spindle Nuts for Old Style Cincinnati Reversible Adapters

SOPKO CATALOG NO.	DIMENSIONS
	A



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06073	1/2-13RH
06074	1/2-13LH



06073

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters.

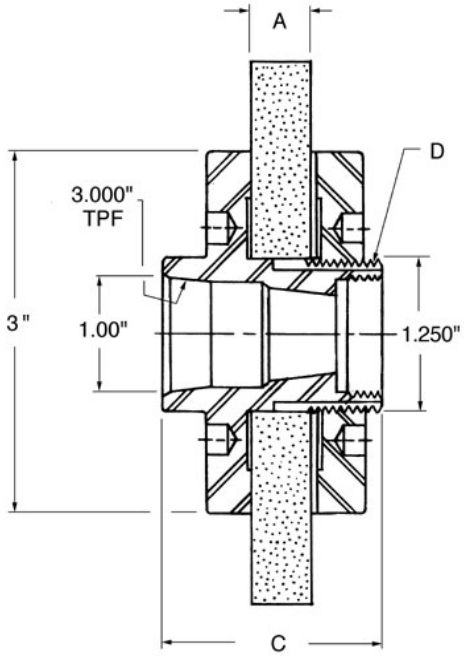
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250", 1.500", AND 2.000" ID WHEELS.



00130



00430

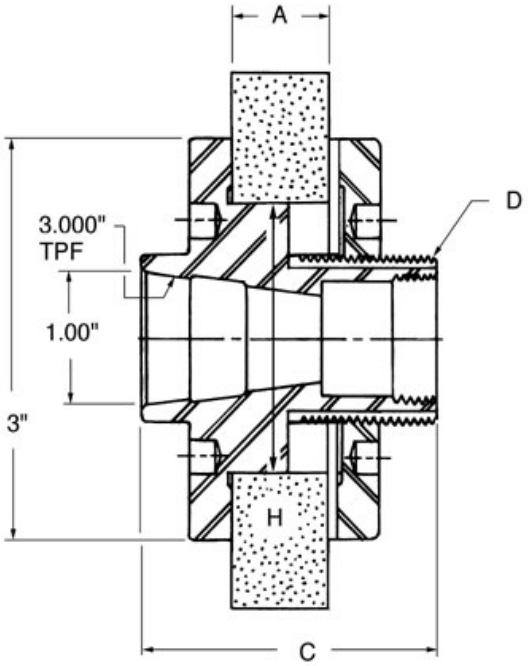


SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D
00130	130-1	3/4	1-15/16	1-1/4-16LH
00132	130-2	3/4	1-15/16	1-1/4-16RH
00230	230-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00232	230-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00330	330-1	3/4 to 1	2-1/4	1-1/4-16LH
00332	330-2	3/4 to 1	2-1/4	1-1/4-16RH
00331	330-1S	3/8 to 1	2-1/4	1-1/4-16LH
00386	330-2S	3/8 to 1	2-1/4	1-1/4-16RH
00430	430-1A	2	3-1/4	1-1/4-16LH
00432	430-2A	2	3-1/4	1-1/4-16RH
00431	430-1B	1 to 2	3-1/4	1-1/4-16LH
00433	430-2B	1 to 2	3-1/4	1-1/4-16RH
00434	430-1D	2-1/4 to 2-1/2	3-3/4	1-1/4-16LH
00435	430-1E	1-1/2 to 2	3-1/4	1-1/4-16LH

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00334



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	H
00333	330-1-1.500	1/2 to 1	2-1/4	1-1/4-16LH	1.500
00334	330-1-2.000	1/2 to 1	2-1/4	1-1/4-16LH	2.000

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Okamoto DX Series Grinders.

3.000" TPF AND 1:5 TAPER RATIO WITH 1.00" AND 1.75" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 5.000" ID WHEELS.

Standard adapter for 6.18DX and 8.20DX saddle type surface grinders.

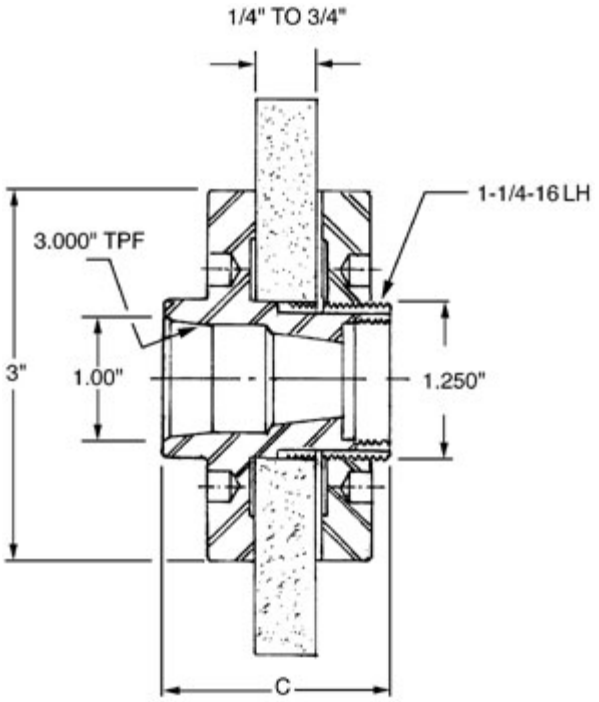
SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS C
00129	A521	1-15/16
02681*	-	2-3/64

* Balancing style adapter includes weight set 00862.



00129

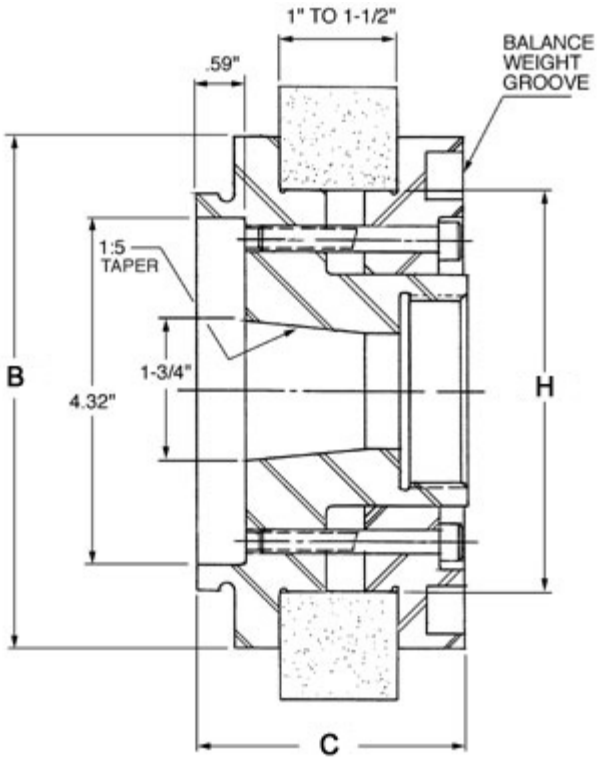
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Bolt-on flange balancing adapter for 12.24DX, 16.24DX, 16.32DX, 20.24DX, 20.36DX and 20.40DX saddle type surface grinders.



00636



SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS		
		B	C	H
00908†	A621-3	5	3-1/4	3.000
00636**	A621-5	6-3/8	3-3/8	5.000

† Includes balancing weight set 00831 and 6 piece SHCS set 00614.
** Includes balancing weight set 00864 and 6 piece SHCS set 00614.

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
00636	27MM to 38MM (1" to 1.50")	01834	5/16-18 X 2-1/4	6
00908	1"	00614	5/16-18 X 1-1/4	6

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1-1/2"	00615	5/16-18 X 1-1/2 6

** Includes balancing weight set 00864.

Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Optional Accessories for 01247 Cartridge Insert Spindle.

WRENCH, COLLET CHUCK QUILLS, OD GRINDING INSERT, AND PULLEYS.

00583 (583) 3/8" Square wrench.



29702* Collet chuck quill for 1/16" to 1/4" dia. shanks.
Furnished with 4000 series nut, 1/8", and 1/4" collets.



29704* Collet chuck quill for 1/8" to 3/8" dia. shanks.
Furnished with 5000 series collet nut only.



00144 (TX) Insert for OD grinding, 5" max dia. wheels.
Comes with 2 wheel collars and 3 general purpose wheels.



00297 (671-0225) 0.735" Crown face flat belt pulley.



00036 (671-0226) 0.985" Crown face flat belt pulley.



00166 (671-0227) 1.235" Crown face flat belt pulley.



00642 (671-0228) 1.985" Crown face flat belt pulley.



00507 (671-0229) 2.975" Crown face flat belt pulley.



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00484 (671-0230) 3.985" Crown face flat belt pulley.



00461 (671-0231) 5.000" Crown face flat belt pulley.



* Jarno taper quill extensions available, ask for brochure No. 49948.
Flat belts available in most sizes, ask for brochure No. 49890.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Sopko High Speed Attachment.

INCREASE THE USE OF YOUR SURFACE GRINDER.
USED ON HARIG, REID, K.O. LEE, PARKER MAJESTIC, AND MANY MORE.



08000

08000 Used to finish radii on dies or other parts requiring small contour grinding, this unit is perfect for the tool room, job shop, or any number of occasional use applications. Designed for long life and heavy use, the Sopko High Speed Attachment kit increases the productivity of your surface grinder. When attached, it's like having an extra machine in the shop at only a fraction of the cost. The center distance between the surface grinder spindle and the attachment spindle is held to a minimum with our latest bracket design. The attachment spindle is shorter in length than competitive units, allowing maximum over-table use horizontally or vertically. The High Speed

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Attachment is furnished as a complete kit including all standard items listed below. Unit net weight 30.1 LB. Shipping weight 34 LB.



Standard unit includes:

08001 Bracket.
08002 3" Diameter eccentric bushing for Harig, Reid No. 2, K.O. Lee, Parker Majestic, Hammond No. 2, and others with 3" diameter spindles.
08003 17,500 RPM grease lubricated spindle with 1-3/16" diameter pulley.
08004 5-9/16" Diameter flat belt pulley.
00200 (200-1) Adapter. Pulley is mounted on the adapter and balanced.
10197 5/8" X 20-1/4" Sopko flat belt (2 pcs).
00630 (630) 11/16" Open end wrench for series 4000 collet chuck nut.
00631 (603A) 5/8" Open end wrench for collet chuck quill wrench flat.
00640 (604A) 3/4" Open end wrench for end of spindle.
08005 1/8" Short arm hex wrench.
08006 1/4" Short arm hex wrench.
35135 Spanner-socket wrench.
08007 Wooden storage box.

Maintain safe speeds, refer to grinding wheel manufacturers' instructions and ANSI B7.1 or DIN 69170 safety standards.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Wheel Adapters for Grinding Machines
Manufactured by ANCA, Victoria, Australia.

19° 05' 06" INC ANGLE TAPER AND 3.500" TPF WITH .85", 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER.

A Sopko innovation, Double Taper ANCA Conversion Adapters offer convenience and flexibility. Now, you can use conventional machines to accurately dress wheel-packs mounted on ANCA adapters without losing valuable production time. Two precision ground tapers provide reliable spindle and adapter mounting. Made from quality alloy steel, ANCA Double Taper Conversion Adapters are heat treated for strength, long-life, and rigidity. Diameters are ground for concentricity and squareness. These fine Sopko features combine to maintain the original high quality standards of the ANCA Fastgrind system. A 1-1/4” wrench flat on the body makes installation and removal easy.



50193

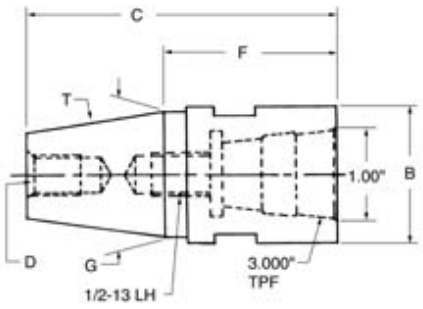


FIG. 1

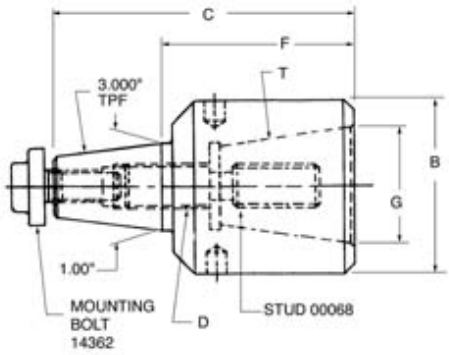


FIG. 2

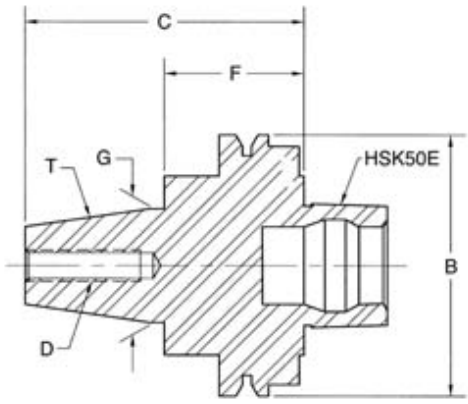


FIG. 3

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		B	C	D	F	G	T	MACHINE
50194	1	1-1/2	3	3/8-16RH	2-1/4	.85	19° 05' 06"	TG4
50354	1	1-1/2	3-3/8	M12X1.75RH	1-7/8	1.38	3.500	TG7/DM7
50192	1	1-1/2	3-3/8	M12X1.75RH	1-7/8	1.38	3.500	TG7/DM7
50178	2	2	3-1/2	M12X2.0RH	2-1/4	1.38	3.500	TG7/DM7
01150	3	80MM (3.15”)	3-7/16	M12X1.75RH	1-15/16	1.38	3.500	TG7/DM7
50193	1	1-1/2	3	M8X1.25RH	1-15/16	1.02	3.500	MG7/RG7/RGX
00497	1	1-1/2	3-23/32	M8X1.25RH	2-5/8	1.02	3.500	MG7/RG7/RGX

See ANCA spacers on page 75 and accessories on page 81 and 83.
See ANCA Mount/Dismount fixture on page 94.

SPINDLE MOUNTING BOLT AND LOCK WASHER SETS

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SOPKO CATALOG NO.	MACHINE	THREAD	LENGTH
00664	TG4 (00621)	3/8-16RH	2-3/4
00897	TG4 (00622)	3/8-16RH	4
01034	TG4 (00623)	3/8-16RH	1-3/4
01053	TG4 (00624)	3/8-16RH	3/4
01101	TG4 (00620)	3/8-16RH	4-1/2
00665	TG7/DM7	M12XP1.75RH	30MM (1.18”)
00667	TG7 (50163)	M12XP1.75RH	100MM (3.94”)
00666	MG7/RG7	M8XP1.25RH	30MM (1.18”)



00664



00666



00665



00667

RECESSED WASHERS

SOPKO CATALOG NO.	MACHINE	OD	ID	THICKNESS
00162	TG4	21MM (.83”)	10MM (.39”)	6MM (.24”)
00163	TG7/DM7	33MM (1.30”)	13MM (.51”)	7MM (.28”)
00164	MG7/RG7	22MM (.87”)	8.5MM (.33”)	15MM (.59”)



00164 **00163** **00162**

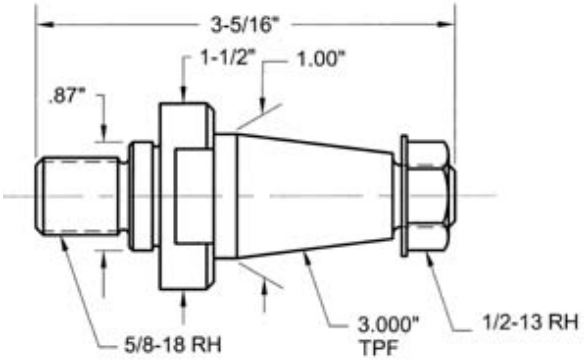
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

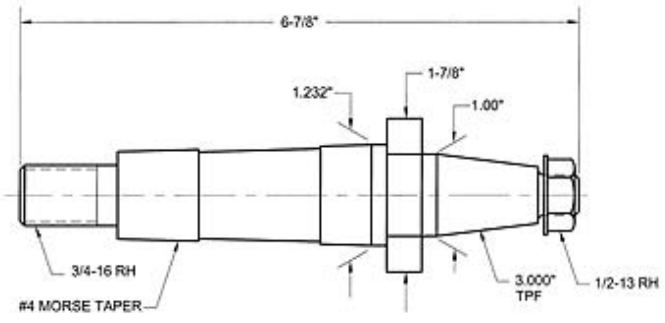
Spindle Conversion Quills.

The innovative Double-Taper Conversion Quill design offers the convenience and flexibility of using internal grinding spindles for external grinding applications. What a great tool to increase productivity and eliminate the cost and delay of making a special adapter! Sopko provides Double-Taper Quills to convert a wide variety of spindle types for use with Sopko standard adapters having a 3.000" TPF with 1.00" LE. Featuring two precision ground tapers for reliable spindle and adapter mounting, Sopko conversion quills are made from quality alloy steel, then heat treated for strength, long-life, and rigidity. Diameters and threads are ground for concentricity and squareness to optimize grinding conditions.

01450 Converts Heald 7-187 Straight Shank to 3" TPF, 1" LE



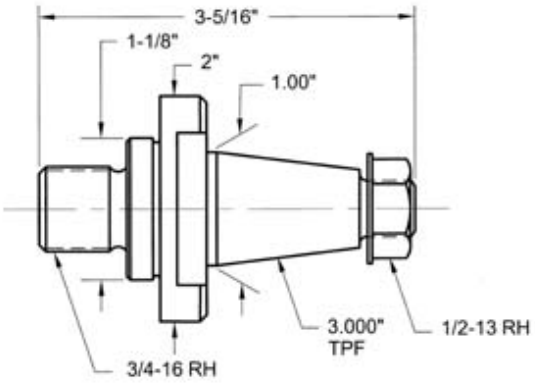
31019 Converts Heald #49 Taper to 3" TPF, 1" LE

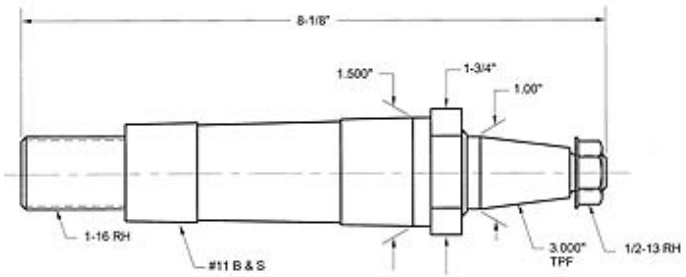


01381 Converts Heald 9-189 Straight Shank to 3" TPF, 1" LE

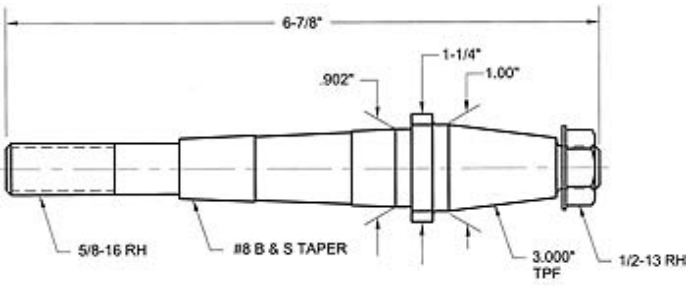
40019 Converts Heald #51 Taper to 3" TPF, 1" LE

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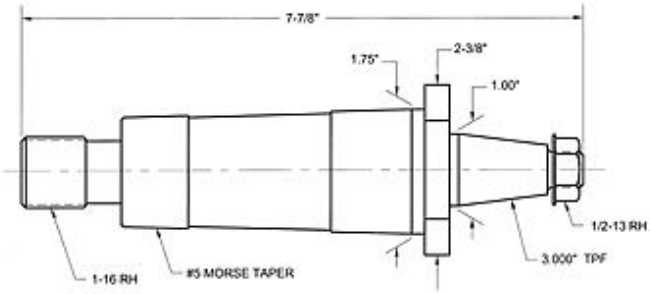




31018 Converts Heald #47 Taper to 3" TPF, 1" LE



01226 Converts Heald #53 Taper to 3" TPF, 1" LE



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Sopko 5 Star Spindle Rebuilding Service.

Experience-Service-Quality-Economy

Almost fifty years of EXPERIENCE in precision spindle rebuilding has given us the expertise to handle all your rebuilding needs. That experience is more than engineering, tooling, and technique; it's tempered with PRIDE. You can count on Sopko for performance.

Whether it's routine preventive maintenance or an unexpected spindle failure, our service department is dedicated to fast turnaround. An extensive inventory of spindle parts, including ABEC 7 and ABEC 9 precision bearings combined with our "Do It Right the First Time" philosophy...That's what we call SERVICE.

You can trust Sopko to deliver what you really want - QUALITY RESULTS. Craftsmanship has been the hallmark of our spindle rebuilding service. Sopko precision spindle specialists have rebuilt most of the world's sophisticated spindle systems. We understand precision tapers, tolerances, and bearing preloads, and we have perfected the process management that assures only the highest standard of QUALITY.

At Sopko we're constantly aware of providing customers with value. We offer a fair, no-charge quotation of services before work begins. Nothing is more cost effective than reliable workmanship; after all, downtime is expensive. You can count on Sopko to do the job right, first time, every time. That's real ECONOMY.

- **Disassembly.** We completely disassemble, clean, and carefully inspect each component part.
- **Evaluation.** The spindle is systematically evaluated and you are quoted a firm price for rebuilding.
- **Restoration.** As needed, restoration includes hard chrome plating, regrinding of bearing journals and housing bearing bores. Our grinding professionals hold an accuracy of less than fifty millionths of an inch on internal diameters. Finished spindle shafts are balanced on a computerized Hofmann H10BK.
- **Assembly.** We use ABEC7 and ABEC9 precision bearings. All assembly is done in an environmentally controlled "clean room." A run-in period tests every spindle at rated RPM for balancing, bearing temperature, and critical runouts.
- **Shipping.** We use a High Density Foam-in-Place packaging system to protect your spindle during shipment. This high performance system blocks and braces your investment to provide superior shipping protection.

Spindles From Around The World



Abrasive	Foote Burt-	Niagara
Acer	Hammond	Norton
Agathon	Fortuna	Oberg
Anca	Gallmeyer &	Okamoto
ASV	Livingston	Okuma
Blanchard	Gamfior	Overbeck
Blohm	Gardner	Parker Majestic
Blombach	GMN	Pope
Boneham -	Harig	Precise
Turner	Harvill	Reid
Boyar -	Heald	Rivett
Schultz	Hertlein	Rockwell
Bridgeport	Huffman, SE	R.O. Grinder
Brown &	HYBCO	Rush
Sharpe	IBAG	Schütte
Bryant	Ingersoll	Seneca Falls
Chevalier	Jones &	Setco
Churchill	Lamson	Sopko
Cincinnati	Jones &	Springfield
Clausing	Shipman	Studer
Coborn	Jungner	Summit
Covel	Kao Ming	Taft Pierce
Deckel	Kent	Thompson
DeVlieg	K.O. Lee	Toshiba
DoAll	Landis	Toyoda
Drake	Leach	Unison
Dresser	Leadwell	Uva
Dumore	Loewe	Ward
Elb	Makino	Waida
Elox	Matech	Walter
Engis	Matrix	Warner &
Ex-Cell-O	McDonough	Swasey
Fadal	Millport	Wasino
Favretto	Mitsui	Wendt
Felker	Mohawk	Westwind
Fischer	Monoset	Whitnon
	Moore	Wickman
	New Britain	And More...

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Before



After

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Standard Taper Reversible Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

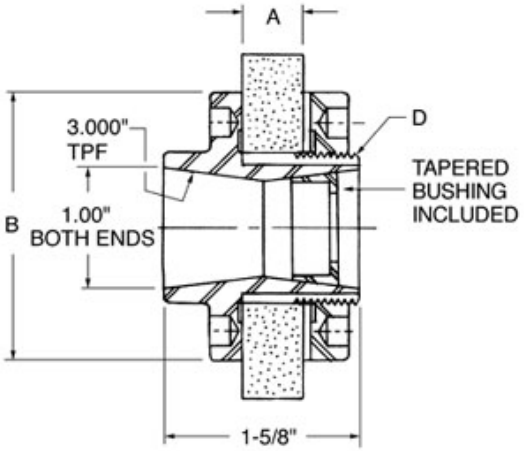
- Formed wheels are used either way without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for
  BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper and are securely locked against loosening by the wheel rotation.
- Manufactured from quality steel to withstand the rigors of daily use, then HARDENED and GROUND.

For use on all spindles having a 3.000" TPF with 1.00" diameter at large end of taper. Including: Boyar-Schultz, Bridgeport, Brown & Sharpe, DoAll, Excello, Foote Burt-Hammond, Harig, Norton, Parker Majestic, Pope, Reid, Sanford, Setco, Taft Pierce, and Whitnon.



00222

A precision ground double-taper and removable bushing make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. LH thread is standard.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00222	222RWA	1/4 to 1/2	2-1/4	1-1/4-16LH
00255	222RWA-R	1/4 to 1/2	2-1/4	1-1/4-16RH
00256	4.5-2RWA	0 to 1/2	4-1/2	1-1/4-16RH
00022	22-W	Replacement tapered bushing.		

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Standard Taper Male Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

SHORT MALE EXTENSIONS provide increased utility because grinding wheels already mounted do not need to be dismounted. This feature is especially useful when grinding with diamond wheels. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut. A 1-1/8” wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

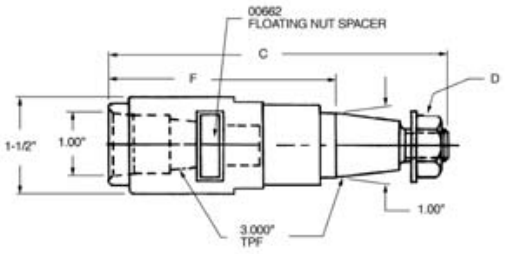


00237

LONG MALE EXTENSIONS are designed for even greater clearance possibilities with their added reach. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut.



00257



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F

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00237	200-3-1/2LH	5-1/4	1/2-13LH	HEX 3-1/2
00238	200-3-1/2RH	5-1/4	1/2-13RH	HEX 3-1/2
00257	200-5LH	6-5/8	1/2-13LH	HEX 4-7/8
00258	200-5RH	6-5/8	1/2-13RH	HEX 4-7/8

* See page 76 for available hex spindle nut sizes.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

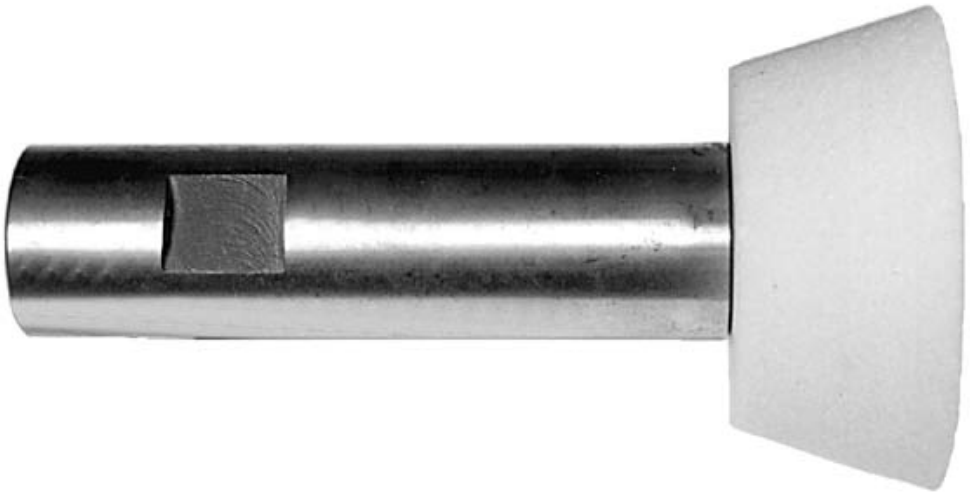
CAUTION!
Always Wear Safety Goggles When Griding.

Cincinnati Taper Old Style I.D. Wheel Extension Adapters.

4.500" TPF WITH .87" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND THE SET-UP TIME OF A HIGH SPEED ATTACHMENT.

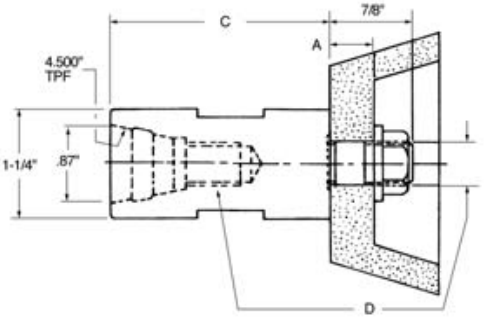
CHECK THESE FEATURES!

- GROUND diameters for CONCENTRICITY.
- HEAT TREATED for STRENGTH and SAFETY.
- PRECISION GROUND taper for RELIABLE spindle mating.
- IN STOCK for immediate shipment.



13426*

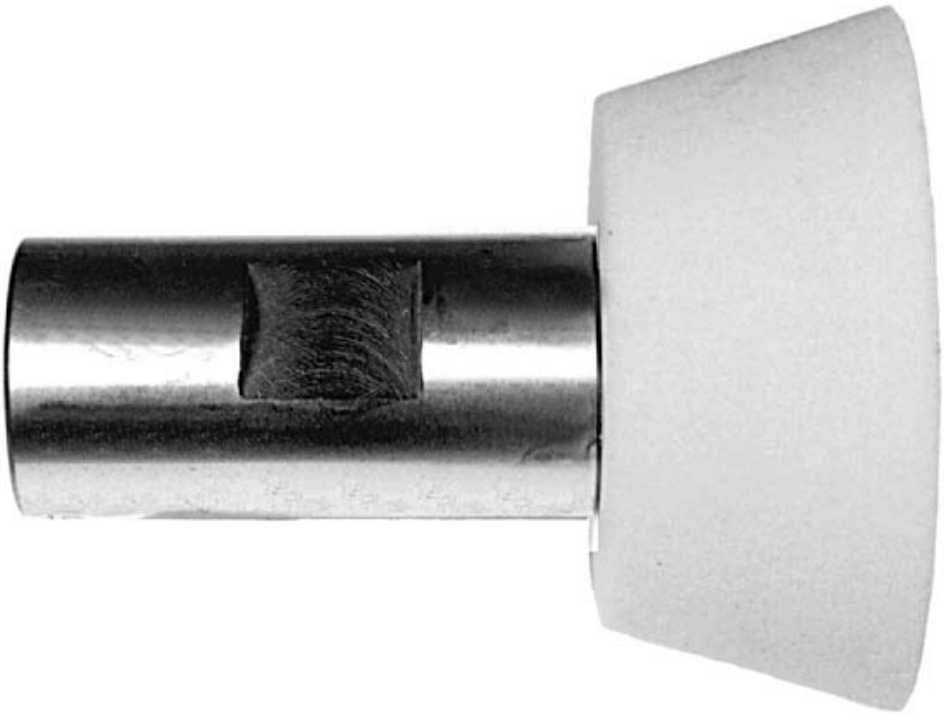
Designed for added reach, the IDWE comes complete with a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13458	134518-LH	3/8 to 1/2	4-1/2	1/2-13LH
13426	134269-RH	3/8 to 1/2	4-1/2	1/2-13RH

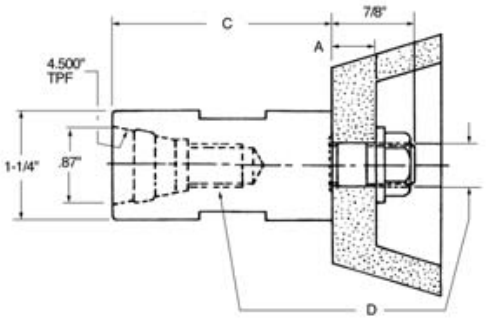
Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.

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78515*

Identical to the long series above but 2" shorter OAL. Has a 1/2-13 hex spindle nut.
A 1/2-13 draw thread locks the extension onto the spindle.
A 1-1/16" wrench flat on the body makes installation and removal easy.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
13456	134516-LH	3/8 to 1/2	2-1/2	1/2-13LH
78515	78515-RH	3/8 to 1/2	2-1/2	1/2-13RH

Standard taper (3.000" TPF) ID wheel extension adapters on page 16 and 17.
*Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

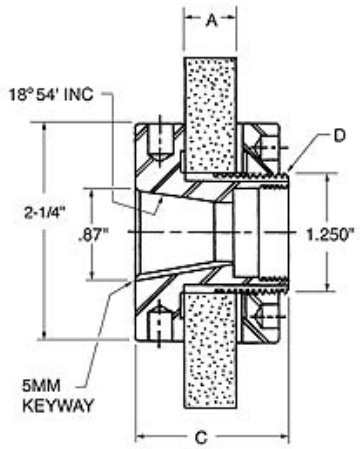
Wheel Adapters for Older Makino (Kao Ming) Grinders.

18° 54' INC ANGLE TAPER WITH .87" DIAMETER AT LARGE END OF TAPER.*
FOR .500" AND 1.250" ID WHEELS.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com



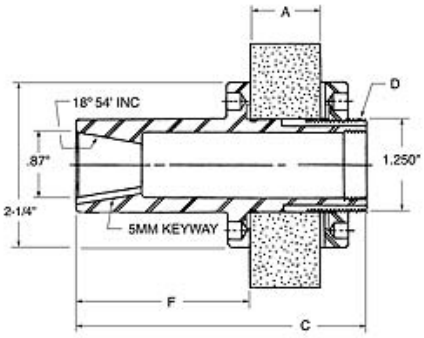
05254



SOPKO CATALOG NO.	DIMENSIONS		
	A	C	D
05254	1/2 to 3/4	1-13/16	1-1/4-16RH
05267	1/2	1-5/16	1-1/4-16RH
05273	3/4 to 1	2	1-1/4-16LH
05265	3/4 to 1	2	1-1/4-16RH



50046

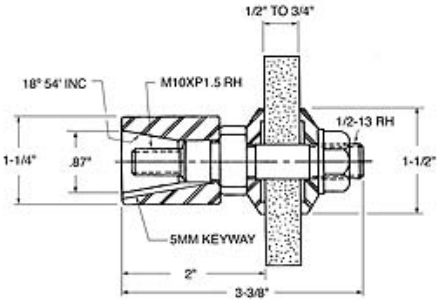


SOPKO CATALOG NO.	DIMENSIONS			
	A	C	D	F
50046	3/4 to 1	3	1-1/4-16RH	1-7/16
50047	3/4 to 1	3-7/8	1-1/4-16RH	2-5/16

This older Makino ID wheel extension adapter is furnished complete with two 1-1/2” diameter flanges 00053 (F-4), a 1/2-13RH hex spindle nut 05002 (500-2), arbor 00638, and body 01837. A 3/4” wrench flat on the arbor makes installation and removal easy.



05266



SOPKO CATALOG NO.
05266

* New Makino grinders use 4.500” TPF with .87” diameter at large end. See page 31 through 41.

ROTATION:

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Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000", AND 5.000" ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01337

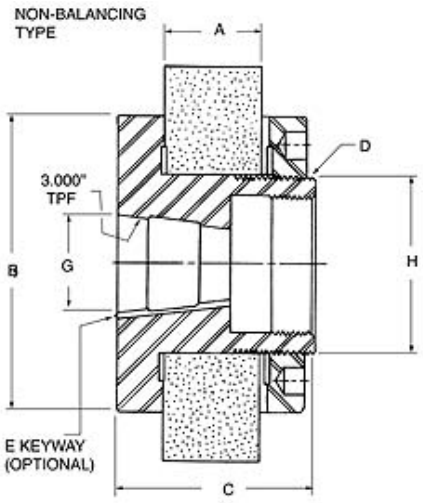


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
50328	2	1 to 1-1/2	5	3-1/4	3-16LH	1/4	1.62	3.000
01330	2	1-1/4 to 2	5	3-9/16	3-16LH	1/4	1.62	3.000
01324	2	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01325	1	1-1/4 to 2	5	3-9/16	2-16LH	1/4	1.62	2.000
01326	1	1-1/4 to 2	5	3-3/8	3-16RH	1/4	1.62	3.000
01327	2	3/4 to 2	5	3-3/8	3-16LH	-	1.62	3.000
01328	2	3/4 to 2	5	3-3/8	3-16RH	-	1.62	3.000
01329	1	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01332 *	2	1-1/4 to 2	7	3-9/16	3-16LH	1/4	1.62	3.000
01331 *	2	1-1/4 to 2	7	3-9/16	3-16RH	1/4	1.62	3.000
01333	2	3/4 to 2	6	3-3/8	4-16LH	-	1.62	4.000
01334	2	3/4 to 2	6	3-3/8	4-16RH	-	1.62	4.000
01335	2	3/4 to 2	7	3-3/8	5-16LH	-	1.62	5.000
01336	2	3/4 to 2	7	3-3/8	5-16RH	-	1.62	5.000
01337	2	1 to 2-1/2	5	4-1/4	3-16RH	1/4	2.25	3.000
01338	2	1 to 2-1/2	5	4-1/4	3-16LH	1/4	2.25	3.000
01339 *	2	1 to 2-1/2	7	4-1/4	3-16RH	1/4	2.25	3.000
01340 *	2	1 to 2-1/2	7	4-1/4	3-16LH	1/4	2.25	3.000

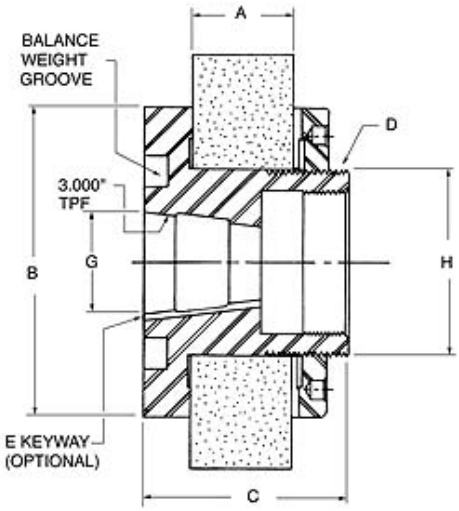


FIG. 2

00831	Three piece bronze balancing weight set for 01324, 01330, 01331, 01332, 01337, 01338, 01339, 01340.
00834	Three piece bronze balancing weight set for 01326.



00831

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* 5" diameter nut.

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Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000” TPF WITH 1.62” AND 2.25” DIAMETER AT LARGE END OF TAPER.
FOR 5.000” AND 8.000” ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use.



01342

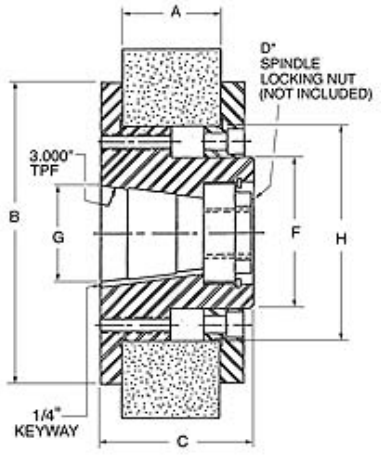


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS A	B	C	D*	F	G	H	SNAP RING
01341	1	3/4 to 1-1/2	7	2-9/16	3/4-16	3-1/2	1.62	5.000	04248
01357	1	1 to 2-1/2	7	3-9/16	1-1/8-12	3-1/2	2.25	5.000	04358
01342	2	3/4 to 1-3/4	7	2-13/16	3/4-16	3-5/8	1.62	5.000	01830
01343	2	1 to 2-1/2	7	3-9/16	1-1/8-12	3-5/8	2.25	5.000	01830
01344	2	1-3/4 to 3	10	4-1/16	1-1/8-12	4	2.25	8.000	01830

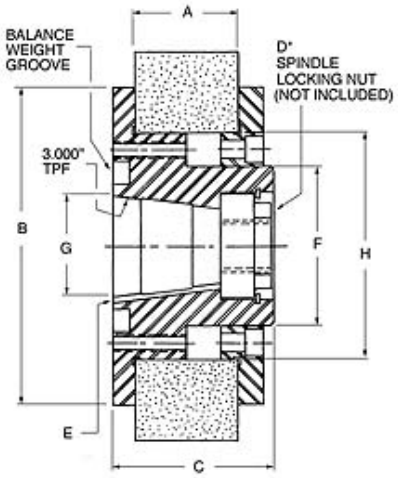


FIG. 2

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01341	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
01342	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
	1-1/2 to 1-3/4	01797	3/8-16X2-1/4	4
	1 to 1-1/2	01798	3/8-16X1-1/2	4

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01343	1-3/4 to 2	01797	3/8-16X2-1/4	4
01357	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	1-3/4 to 2	01797	3/8-16X2-1/4	4
01344	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	2-3/4 to 3	01800	3/8-16X3-1/4	4



01797



00828

00828	Three piece bronze balancing weight set for 01342 and 01343.
00826	Three piece bronze balancing weight set for 01344.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 3.000" AND 5.000" ID WHEELS.



01353 (Front Side)



01351 (Taper Side)

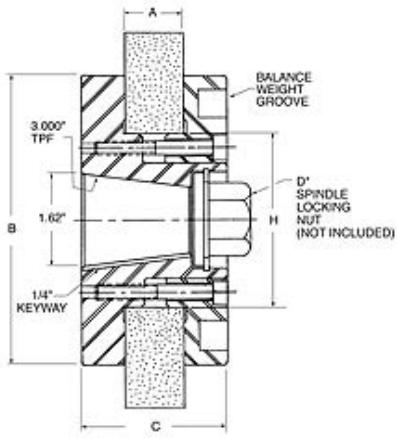


FIG. 1

SOPKO FIG.	DIMENSIONS

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CATALOG NO.		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

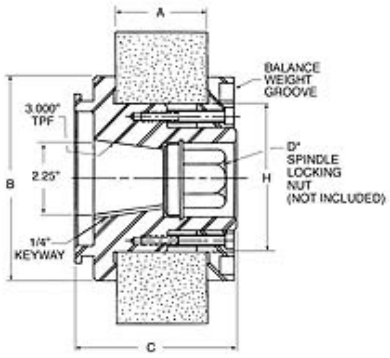


FIG. 2

OPTIONAL SOCKET HEAD CAP SCREW SETS.

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.
00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000" TPF WITH 2.62", 3.00" AND 3.75" DIAMETER AT LARGE END OF TAPER.
FOR 5.000", 8.000" AND 12.000" ID WHEELS.

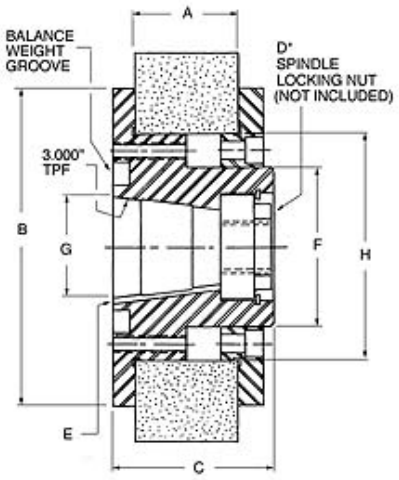
The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision

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ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use. And of course, the high quality internal taper is unsurpassed for precision spindle mounting.



01345



SOPKO CATALOG NO.	DIMENSIONS								SNAP RING
	A	B	C	D*	E	F	G	H	
01345	1-1/2 to 2-3/4	7	4-3/16	1-1/2-12	1/4	3-5/8	2.62	5.000	01830
01346	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	2.62	12.000	01830
01347	1-3/4 to 3	7	4-11/16	1-1/2-12	1/4	3-5/8	3.00	5.000	01830
01348	1-3/4 to 3	10	4-5/16	1-1/2-12	1/4	5-1/2	3.00	8.000	01830
01349	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	3.00	12.000	01830
01350	2-1/4 to 4	10	5-1/2	2-1/4-12	3/8	5-1/2	3.75	8.000	04331



01801

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01345	1-1/2 to 2	01801	3/8-16X2-1/2	4
	2-1/4 to 2-3/4	01800	3/8-16X3-1/4	4
01346	1-3/4 to 2-1/4	01811	3/8-16X3	6
01347	2-1/2 to 3	01802	3/8-16X3-1/2	4
01349	6			
01348	1-3/4 to 2-1/4	01803	1/2-13X3	6
	2-1/2 to 3	01804	1/2-13X3-1/2	6
	2-1/4 to 2-3/4	01805	1/2-13X2-1/2	6
01350	3 to 3-1/2	01806	1/2-13X3-1/4	6
	4	01807	1/2-13X4	6



00829

00829	Three piece bronze balancing weight set for 01346 and 01349.
00826	Three piece bronze balancing weight set for 01345, 01347, 01348, and 01350.

All balancing style adapters include the three piece bronze balancing weight set.

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See page 12 and 13 for standard taper balancing adapters.
* See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Sopko Cartridge Insert Spindle for Internal and External Grinding.

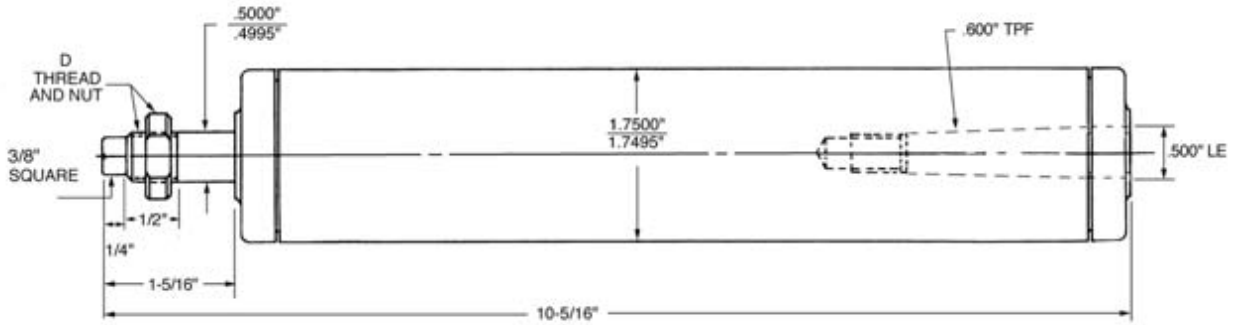
THREE BEARING DESIGN PROVIDES MAXIMUM VIBRATION DAMPENING FOR ID GRINDING.
INSERTS AND ACCESSORIES ALLOW YOU TO DO BOTH OD AND ID GRINDING.
HEAVY DUTY REPLACEMENT SPINDLE FOR SERIES 5, 55, AND 57 DUMORE TOOL POST GRINDERS.
ALSO IDEAL FOR CUTTING COMMUTATORS, ARMATURES, AND CARBIDE.

01247 (500T300) FEATURES AND SPECIFICATIONS:

- Made with ABEC 7 precision bearings.
- 32,500 RPM maximum.
- Grease sealed lubrication allows for horizontal or vertical operation.
- Duplex wheel end bearing. Two precision matched bearings spaced for optimum rigidity. Duplex bearings eliminate end-play and prevent movement at the wheel end of the spindle.
- Spindle assembly dynamically balanced for smooth operation at all spindle speeds.
- Spindle housing machined from solid bar stock for rigidity even after thousands of hours of operation.
- Nilos rings on bearing races help keep out dirt, abrasive particles and coolant, and hold grease in bearings by forming a complete labyrinth seal prolonging bearing life.
- Maximum spindle runout .0001 T.I.R.
- Floating pulley end bearing floats against spring tension to permit thermal expansion of the shaft.
- Unit net weight 5.15 lb. Shipping weight 6 lb.



01247



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS
		D
01247	500T300	1/2-20RH
01222	-	1/2-20LH

Maintain safe speeds, refer to grinding wheel manufacturers' instructions and ANSI B7.1 or DIN 69170 safety standards.
See our complete line of accessories on page 103 and 104.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Sopko Cartridge Spindle 3.000” TPF
With 1.00” Diameter at Large End of Taper.

FITS ANY 1-3/4" OR 2" DIAMETER HOUSING, INCLUDING CURRENT SERIES 57 AND OLDER OBSOLETE SERIES 5, 55, 7, AND 77 DUMORE TOOL POST GRINDERS. LARGE BEARING DESIGN SUPPORTS THE STANDARD TAPER MAKING IT IDEAL FOR GRINDING CARBIDE.

These Sopko cartridge spindles are machined from solid bar stock for complete rigidity, even after thousands of hours of operation. An ultra-precision replacement spindle with oversized nose bearing design to provide maximum support of the tapered shaft. Two pair of ABEC 7 bearings are spaced for optimum rigidity. The end bearing floats against spring tension to permit thermal expansion of the shaft during operation. Grease-packed bearings require no additional lubrication.

Features and specifications:

- Made with ABEC 7 precision bearings.
- 7,200 rpm maximum.
- Grease sealed lubrication allows for horizontal or vertical operation.
- Duplex wheel-end bearing design.
- Spindle assembly dynamically balanced.
- Spindle housing machined from solid bar stock for rigidity and strength.



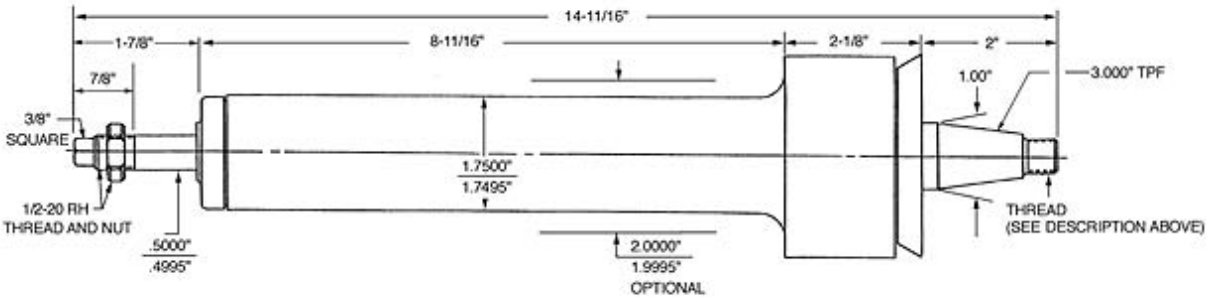
01179 (285-003-0012RH) 1-3/4" diameter barrel. Furnished with 1/2-13RH hex spindle nut. Unit net weight 9.65 LB. Shipping weight 12 LB.

01180 (285-003-0012LH) 1-3/4" diameter barrel. Furnished with 3/8-16LH hex spindle nut. Unit net weight 9.65 LB. Shipping weight 12 LB.

01181 (285-003-0010RH) 2" diameter barrel. Furnished with 1/2-13RH hex spindle nut. Unit net weight 11.5 LB. Shipping weight 14 LB.

01182 (285-003-0010LH) 2" diameter barrel. Furnished with 3/8-16LH hex spindle nut. Unit net weight 11.5 LB. Shipping weight 14 LB.

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Maintain safe speeds, refer to grinding wheel manufacturers' instructions, ANSI B7.1 or DIN 69170 safety standards.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

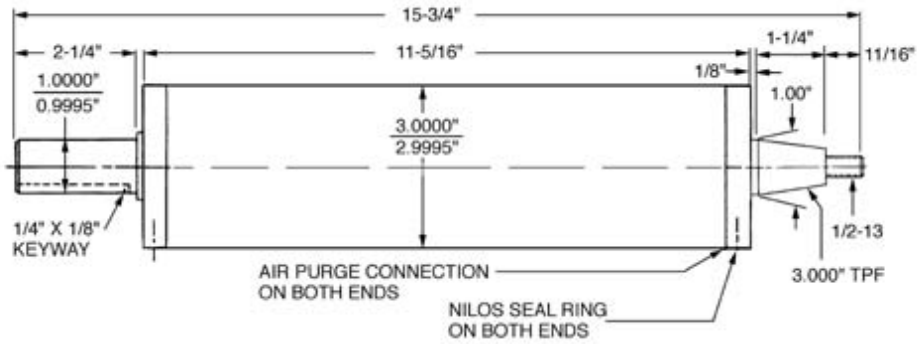
William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Sopko General Purpose Belt Driven Cartridge Spindles. 3.000" TPF With 1.00" Diameter At Large End Of Taper.

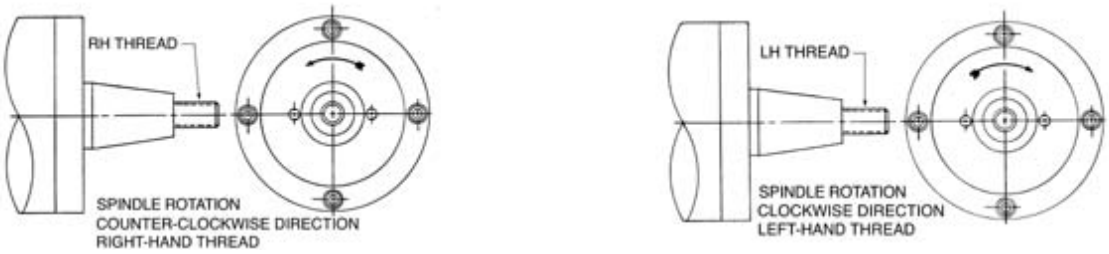
For almost fifty years Sopko has been rebuilding spindles; ALL TYPES OF SPINDLES!
We've learned a few things about design, what works and what does not. You could say, "we've seen it all." That broad experience and our manufacturing expertise has been combined to produce the finest cartridge spindle on the market. Today's metal cutting professionals expect productivity and performance from their spindle investment. From spindle-nose to pulley-end this Sopko cartridge spindle is loaded with features that assure a level of customer satisfaction that only DEPENDABILITY can provide.



01109



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Wheel End View in Horizontal Operation

FEATURES AND SPECIFICATIONS:

- Heavy duty design.
- The nose end has a precision double row roller bearing and the pulley end has a pair of ABEC7 precision ball bearings.
- Air purge at both ends of spindle keep contaminants out.
- 10 H.P. rating.
- 7,000 RPM standard.
- Optional 10,000 RPM spindle with 2 pair ABEC7 precision ball bearings.
- Grease lubrication.
- Nilos rings on bearing races help keep out dirt, abrasive particles, coolant, and hold grease in bearings by forming a complete labyrinth seal prolonging bearing life.
- Electroless nickel plated housing covers and flinger nuts for corrosion resistance.
- Stainless steel screws.
- Spindle runout to .000050 max. TIR.
- Dynamically balanced.
- Unit weight 19.55 lbs.
- Shipping weight 22 lb.

01216 (CCW33100) Right-hand belt driven cartridge spindle for counter-clockwise rotation. Standard 7,000 RPM furnished with
1/2-13RH hex spindle nut.
01109 (CW33100) Left-hand belt driven cartridge spindle for clockwise rotation. Standard 7,000 RPM furnished with 1/2-13LH hex spindle nut.
01036 Right-hand belt driven cartridge spindle for counter-clockwise rotation. Optional 10,000 RPM furnished with 1/2-13RH hex spindle nut.
01874 Left-hand belt driven cartridge spindle for clockwise rotation. Optional 10,000 RPM furnished with 1/2-13LH hex spindle nut.

Maintain safe speeds, refer to grinding wheel manufacturers' instructions, ANSI B7.1 safety codes or DIN 69170 safety standards.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Sopko High Speed Attachment.

INCREASE THE USE OF YOUR SURFACE GRINDER.
USED ON HARIG, REID, K.O. LEE, PARKER MAJESTIC, AND MANY MORE.

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08000

08000 Used to finish radii on dies or other parts requiring small contour grinding, this unit is perfect for the tool room, job shop, or any number of occasional use applications. Designed for long life and heavy use, the Sopko High Speed Attachment kit increases the productivity of your surface grinder. When attached, it's like having an extra machine in the shop at only a fraction of the cost. The center distance between the surface grinder spindle and the attachment spindle is held to a minimum with our latest bracket design. The attachment spindle is shorter in length than competitive units, allowing maximum over-table use horizontally or vertically. The High Speed Attachment is furnished as a complete kit including all standard items listed below. Unit net weight 30.1 LB. Shipping weight 34 LB.



Standard unit includes:

08001 Bracket.
08002 3" Diameter eccentric bushing for Harig, Reid No. 2, K.O. Lee, Parker Majestic, Hammond No. 2, and others with 3" diameter spindles.
08003 17,500 RPM grease lubricated spindle with 1-3/16" diameter pulley.
08004 5-9/16" Diameter flat belt pulley.
00200 (200-1) Adapter. Pulley is mounted on the adapter and balanced.
10197 5/8" X 20-1/4" Sopko flat belt (2 pcs).
00630 (630) 11/16" Open end wrench for series 4000 collet chuck nut.
00631 (603A) 5/8" Open end wrench for collet chuck quill wrench flat.
00640 (604A) 3/4" Open end wrench for end of spindle.
08005 1/8" Short arm hex wrench.
08006 1/4" Short arm hex wrench.
35135 Spanner-socket wrench.
08007 Wooden storage box.

Maintain safe speeds, refer to grinding wheel manufacturers' instructions and ANSI B7.1 or DIN 69170 safety standards.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapter Parts.

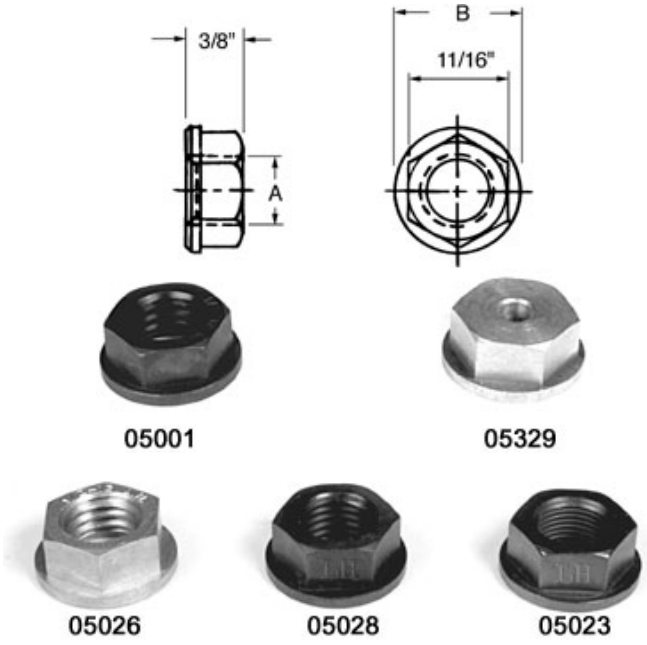
Hex Spindle Nuts.

Made from quality alloy steel and heat treated for strength, these spindle nuts feature a flange face precisely perpendicular to the thread for maximum clamping surface. The milled hex provides solid wrench engagement for safety. Left-hand threads are easily identified with LH designations stamped on the face. Nuts have black oxide finish.

HEX SPINDLE NUTS

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B
05001	500-1	1/2-13LH	7/8
05026 **	SS500-1	1/2-13LH	7/8
05002	500-2	1/2-13RH	7/8
00944	501-2	1/2-13RH	1
00947	501-7	1/2-16LH	1
05003 *	500-3	31/64-14LH	7/8
05004 *	500-4	31/64-14RH	7/8
00945	501-3	31/64-14LH	1
00946	501-4	31/64-14RH	1
05005	500-5	3/8-16LH	7/8
05006	500-6	3/8-16RH	7/8
05007	500-7	1/2-16LH	7/8
05008	500-8	1/2-16RH	7/8
05009	500-9	9/16-18LH	7/8
05010	500-10	1/4-20RH	7/8
05011	500-11	5/16-18RH	7/8
05012	500-12	1/2-20LH	7/8
05013	500-13	1/2-20RH	7/8
05329	500-14	#5 DRILL (SOFT)	7/8
05015	500-15	7/16-14LH	7/8
05016	500-16	7/16-14RH	7/8
05017	500-17	9/16-18RH	7/8
05023†	500-23	M12XP1LH	7/8
05024	500-24	M12XP1RH	7/8
05027	500-25	M12XP1.25LH	7/8
05028	-	M12XP1.5LH	7/8

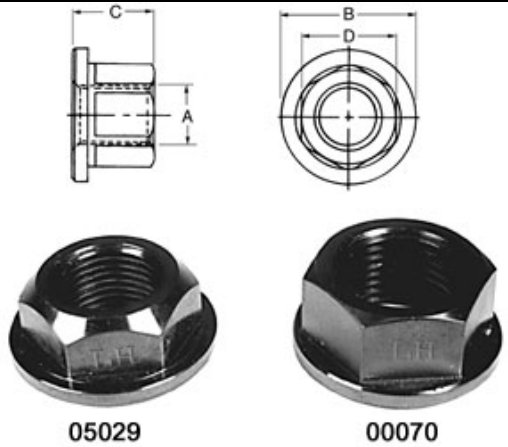
*Excello **Stainless Steel †Okamoto



LARGER HEX SPINDLE NUTS

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
05029	-	5/8-18LH	1-1/4	1/2	15/16
05025	-	5/8-18RH	1-1/4	1/2	15/16
00070 •	-	3/4-16LH	1-1/4	9/16	1
00071 •	-	3/4-16RH	1-1/4	9/16	1
05030	DP500	3/4-10LH	1-5/8	1	1-1/8
05020	500-20	3/4-16LH	1-5/8	1	1-1/8
05021	500-21	3/4-16RH	1-5/8	1	1-1/8
05018	500-18	3/4-16LH	1-3/8	3/4	1-1/16
05019	500-19	3/4-16RH	1-3/8	3/4	1-1/16
05116	-	7/8-14LH	2-7/16	2	1-3/4
05117	-	7/8-14RH	2-7/16	2	1-3/4
05032	-	7/8-14LH	1-1/2	5/8	1-1/8
05327	-	7/8-14RH	1-1/2	5/8	1-1/8

• IDWE



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05020

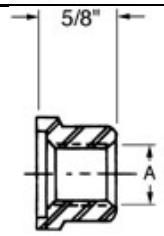


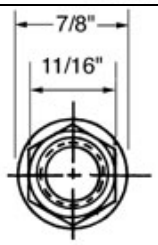
05030

POPE STYLE HEX SPINDLE NUTS

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A
04013	400-13HL	1/2-13LH
04014	400-13HR	1/2-13RH
04016	400-16HL	1/2-16LH
04017	400-16HR	1/2-16RH

Electroless nickel plating available on all spindle nuts at additional cost.







04013



04016

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

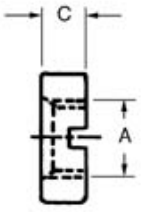
Wheel Adapter Parts.

Slotted Spindle Nuts.

Made from quality alloy steel and heat treated for strength, these spindle nuts feature a flange face precisely perpendicular to the thread for maximum clamping surface. The milled slot provides solid wrench engagement for safety. Right-hand and left-hand threads are easily identified with RH and LH designations stamped on the face. Nuts have black oxide finish.

Slotted Spindle Nuts

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C
06001	S500-1	1/2-13LH	7/8	5/16
06002	S500-2	1/2-13RH	7/8	5/16
06003	S500-3	31/64-14LH	7/8	5/16
06004	S500-4	31/64-14RH	7/8	5/16
06005	S500-5	3/8-16LH	7/8	5/16
06006	S500-6	3/8-16RH	7/8	5/16
06007	S500-7	1/2-16LH	7/8	5/16
06008	S500-8	1/2-16RH	7/8	5/16
06009	S500-9	9/16-18LH	7/8	5/16
06010	S500-10	1/4-20RH	7/8	5/16
06011	S500-11	5/16-18RH	7/8	5/16
06012	S500-12	1/2-20LH	7/8	5/16
06013	S500-13	1/2-20RH	7/8	5/16
06022	S500-14	#5 DRILL (SOFT)	7/8	5/16
06015	S500-15	7/16-14LH	7/8	5/16
06016	S500-16	7/16-14RH	7/8	5/16
06021*	-	M12XP1LH	22MM (0.87")	13MM (0.51")







06001



06022



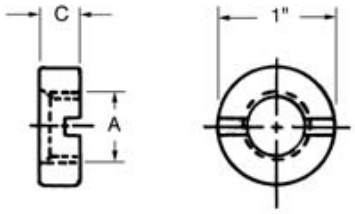
06021

*Okamoto

Larger Slotted Spindle Nuts

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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	C
00948	S501-1	1/2-13LH	1/4
00949	S501-2	1/2-13RH	1/4
00954	S501-7	1/2-16LH	1/4
00952	S501-5	3/8-16LH	1/4
00953	S501-6	3/8-16RH	1/4
06018	-	5/8-11LH	3/8
06017	-	5/8-11RH	3/8
00950	S501-3	31/64-14LH	1/4
00951	S501-4	31/64-14RH	1/4

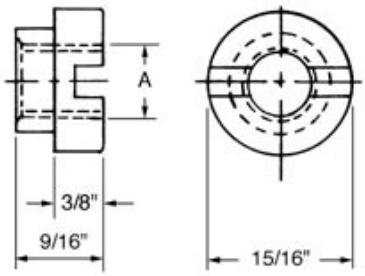




06018

Slotted Spindle Nuts for Old Style Cincinnati Reversible Adapters

SOPKO CATALOG NO.	DIMENSIONS
	A
06073	1/2-13RH
06074	1/2-13LH





06073

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapter Parts.

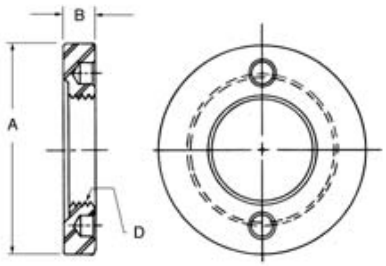
Nuts.



00285



04264



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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D	DESCRIPTIONS
00285	235-NL	3-1/2	3/8	1-1/4-16LH	
00286	235-NR	3-1/2	3/8	1-1/4-16RH	
04266	-	3-1/2	5/16	2-18RH	For large taper adapter 01312
05114	-	3-7/16	5/16	1-1/4-16LH	For Gallmeyer & Livingston adapters 00526, 00527, and 00528
05042	25-1569-1	4-1/8	1/2	3-16LH	For shrouded adapter 00183
05043	-	4-1/8	1/2	2-16LH	For shrouded adapter 00182
04260	-	4-1/4	7/16	2-18RH	For large taper balancing adapter 01313
04263	-	4-1/4	9/16	3-16LH	
04265	-	4-1/4	9/16	3-16RH	
04287	-	4-1/4	13/32	1-1/4-16LH	
04288	-	4-1/4	13/32	1-1/4-16RH	
04285	-	4-1/4	5/8	2-3/4-16RH	
04262	-	4-1/2	7/16	3-16LH	For Clausing and Covel adapter 00693
04294	-	4-3/4	7/16	3-16LH	For Norton S-3 balancing adapter 00824
04267	-	4-3/4	1/2	3-16LH	
04300	-	5	7/16	3-16LH	
04270	-	5	7/16	3-16RH	For large taper adapter 01329, 01324
04264	-	5	9/16	3-16LH	For large taper balancing adapters 01330, 01338, 01332, and 01340
04261	-	5	9/16	3-16RH	For large taper balancing adapter 01337

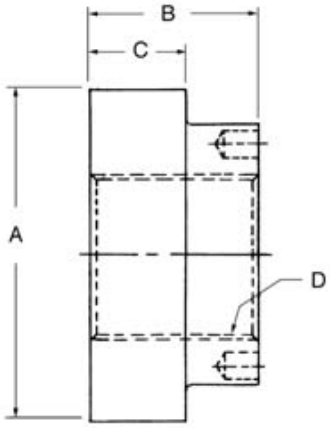
This style nut, used to lock wheel adapters onto the spindle, and secured in the adapter with a snap-ring, is referred to as a CAPTIVE Spindle locking nut.



05108



05111



SOPKO CATALOG NO.	DIMENSIONS A	B	C	D	DESCRIPTIONS
05108	2-15/16	7/8	0.60	3/4-16RH	For adapter 01342
05115	2-15/16	1-1/8	0.81	1-1/8-12RH	For adapter 01341
05109	2-15/16	1-1/4	0.81	1-1/8-12RH	For adapter 01343
05110	2-15/16	1-5/8	0.81	1-1/8-12RH	For adapter 01344
05111	2-15/16	1-1/2	0.81	1-1/2-12RH	For adapters 01345, 01346, 01347, 01348, and 01349
05112	4-1/2	2-1/4	1.025	2-1/4-12RH	For adapter 01350

Electroless nickel plating is available for all nuts at additional cost.

ROTATION:

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Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Optional Accessories for 01247 Cartridge Insert Spindle.

WRENCH, COLLET CHUCK QUILLS, OD GRINDING INSERT, AND PULLEYS.

00583 (583) 3/8" Square wrench.



29702* Collet chuck quill for 1/16" to 1/4" dia. shanks.
Furnished with 4000 series nut, 1/8", and 1/4" collets.



29704* Collet chuck quill for 1/8" to 3/8" dia. shanks.
Furnished with 5000 series collet nut only.



00144 (TX) Insert for OD grinding, 5" max dia. wheels.
Comes with 2 wheel collars and 3 general purpose wheels.



00297 (671-0225) 0.735" Crown face flat belt pulley.



00036 (671-0226) 0.985" Crown face flat belt pulley.



00166 (671-0227) 1.235" Crown face flat belt pulley.



00642 (671-0228) 1.985" Crown face flat belt pulley.



00507 (671-0229) 2.975" Crown face flat belt pulley.

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00484 (671-0230) 3.985" Crown face flat belt pulley.



00461 (671-0231) 5.000" Crown face flat belt pulley.



* Jarno taper quill extensions available, ask for brochure No. 49948.
Flat belts available in most sizes, ask for brochure No. 49890.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

Standard Taper Balancing Wheel Adapters for Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

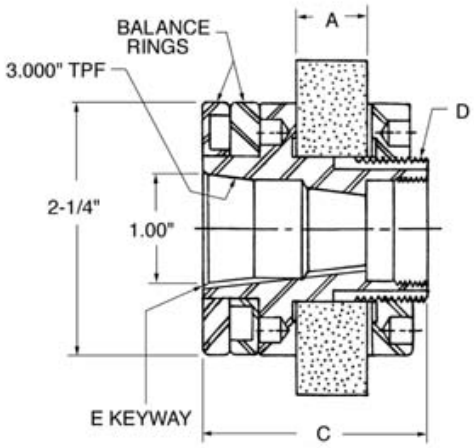
Sopko balancing rings have milled pockets with 180° arc-length. One end of the arc is permanently stamped with a reference line and arrow to designate direction of rotation. Unlike some balancing rings, Sopko “sandwiches” the milled pockets together inside the mated faces. Grinding grit can’t build up! Rings are lapped flat and ground for a precision fit. A nylon-tipped set screw secures each ring to the adapter hub. All balancing adapters furnished with a 3/32" hex wrench 00938.



00565



00106



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	E
00106	B100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00107	B100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00260	B200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00262	B200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00310	B300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00311	B300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00313	B300-1C	1	2-1/4	1-1/4-16LH	-
00312	B300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
50331**	ANB300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00338	B300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00404	B400-1A	2	3-3/16	1-1/4-16LH	-
00405	B400-2A	2	3-3/16	1-1/4-16RH	-
00410	B400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00412	B400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00504	B500-1A	3	4-3/16	1-1/4-16LH	-
00565	B500-1B	2 to 3	4-3/16	1-1/4-16LH	-
00505	B500-2A	3	4-3/16	1-1/4-16RH	-
50305	B600-1B	3 to 4	5-3/16	1-1/4-16LH	-
50393	B1000-1A	8	9-3/16	1-1/4-16LH	-

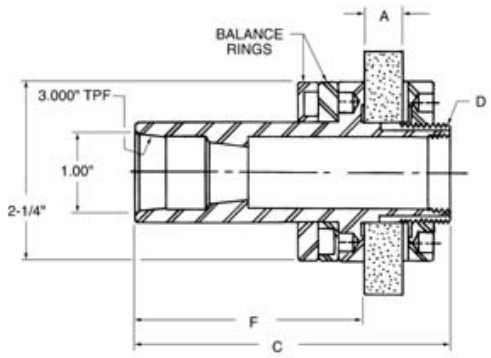
Use Sopko Balancing Adapters to:

- Increase productivity.
- Reduce downtime and maintenance.
- Produce low micro-finishes.
- Reduce wheel wear and truing frequency.
- Reduce costly spindle failures.

**Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.



00228



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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	F
00228	B200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00229	B200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00244	B200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00219	B200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16

*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

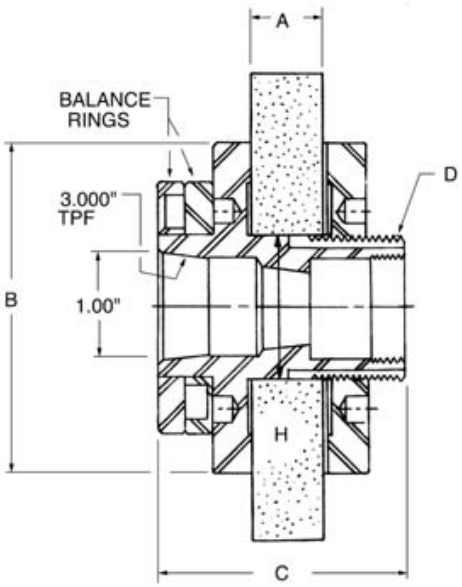
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.





00460

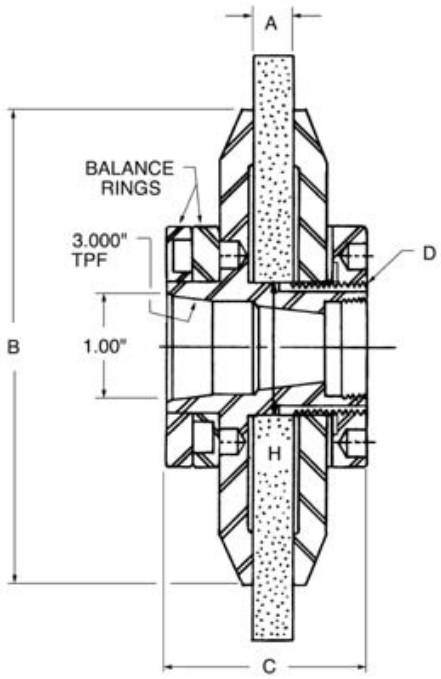


00248
(Front Side)

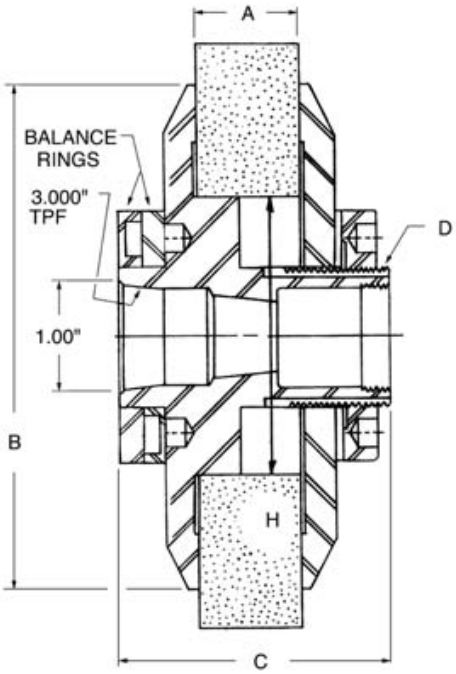


00251
(Taper Side)

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SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000



*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

Call Rapp Industrial for your discounted pricing 724 (789-7853) - 888 (789-7277) E-mail us - sales@rappindustrialsales.com

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.



01112



00651



00358



00360

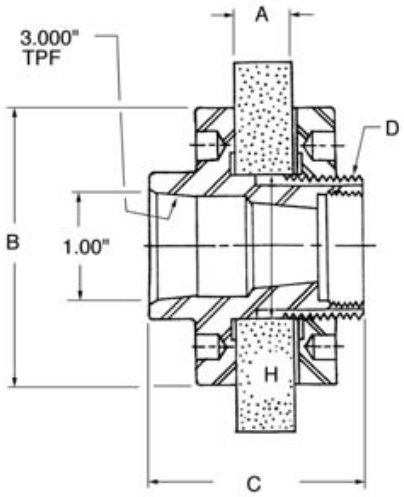


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250

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00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250

Electroless nickel plating available on all Sopko adapters at additional cost.
*Balancing style adapter.

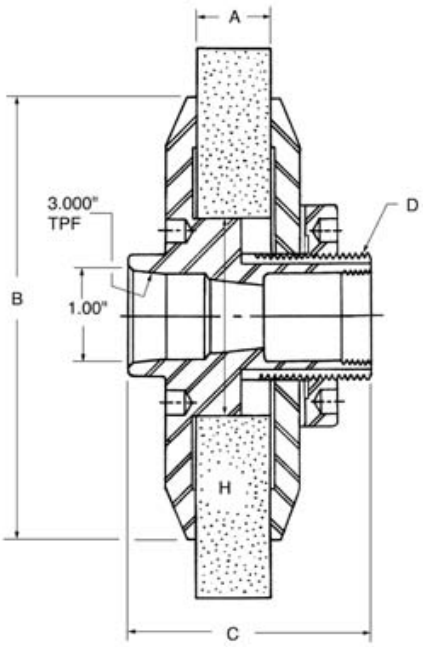


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32” Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



00719



00716

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00721

Note: 3/32" Keyway in small end of taper only

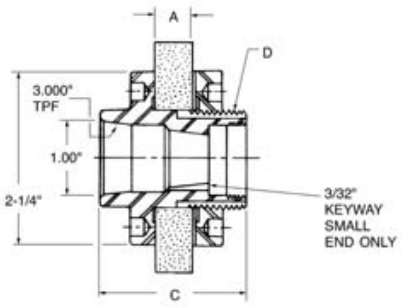


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	F
00716	1	U200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00717**	1	BU200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00718	1	U200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00719	2	U200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00720	2	U200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00721	2	U200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00423	2	U200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16
00722	1	U300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00709	1	U300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00723	1	U300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00193**	1	BU300-1	3/4 to 1	2-1/4	1-1/4-16LH	-

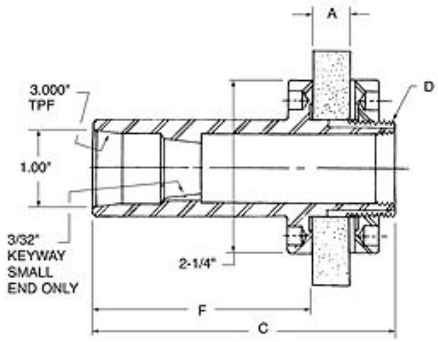


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32” Keyway in Small End of Taper.*

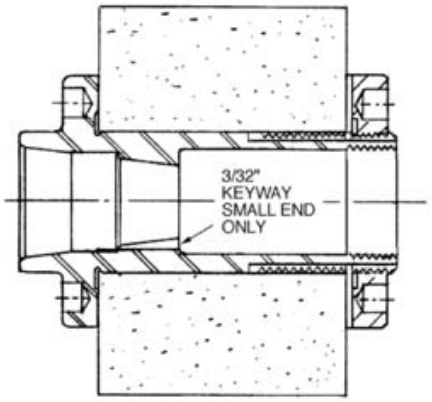
FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250” ID WHEELS.

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Note: 3/32" Keyway in small end of taper only

00725



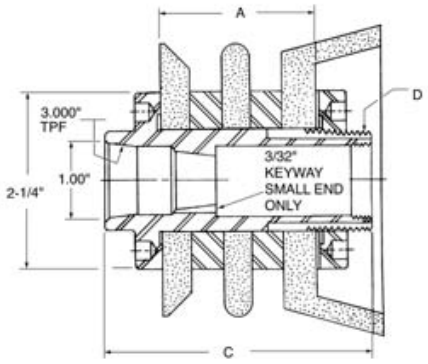


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00724	1	U400-1A	2	3-3/16	1-1/4-16LH
00725	1	U400-1B	1 to 2	3-3/16	1-1/4-16LH
00726	1	U400-2A	2	3-3/16	1-1/4-16RH
00727**	1	BU400-1B	1 to 2	3-3/16	1-1/4-16LH
00728	1	U500-1A	3	4-3/16	1-1/4-16LH
50320	1	U500-2A	3	4-3/16	1-1/4-16RH
00729	1	U500-1B	2 to 3	4-3/16	1-1/4-16LH
00730	1	U600-1A	4	5-3/16	1-1/4-16LH
00606	1	U600-1B	3 to 4	5-3/16	1-1/4-16LH
00732	2	U330-1	3/4 to 1	2-1/4	1-1/4-16LH
00733	2	U430-1A	2	3-1/4	1-1/4-16LH
00734	2	U430-1B	1 to 2	3-1/4	1-1/4-16LH

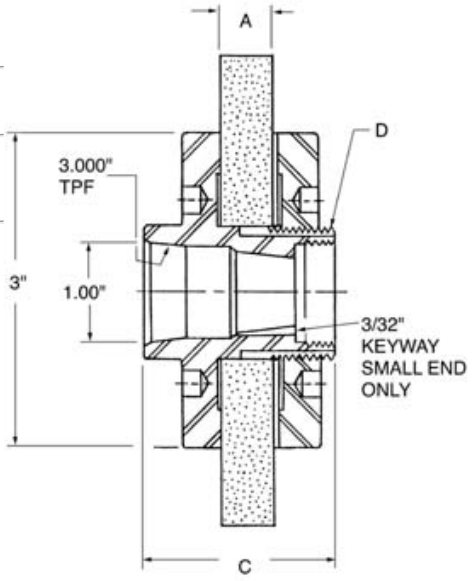


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

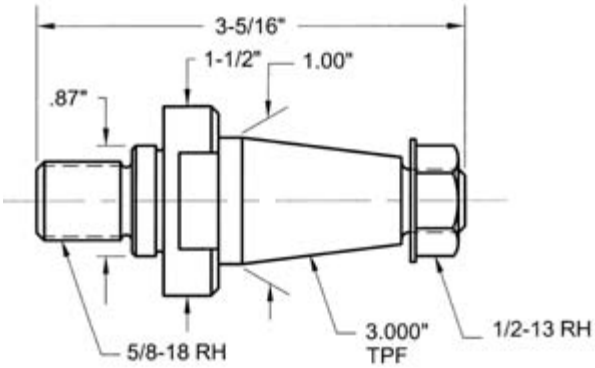
CAUTION!
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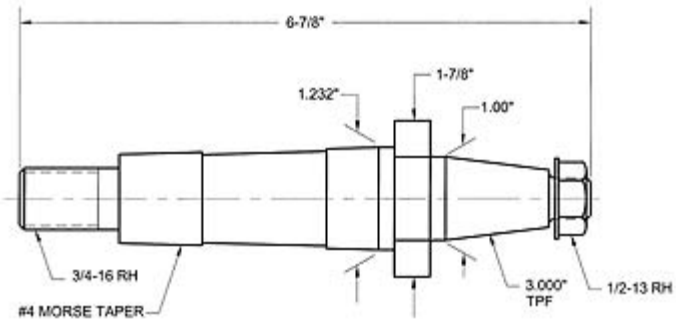
Spindle Conversion Quills.

The innovative Double-Taper Conversion Quill design offers the convenience and flexibility of using internal grinding spindles for external grinding applications. What a great tool to increase productivity and eliminate the cost and delay of making a special adapter! Sopko provides Double-Taper Quills to convert a wide variety of spindle types for use with Sopko standard adapters having a 3.000" TPF with 1.00" LE. Featuring two precision ground tapers for reliable spindle and adapter mounting, Sopko conversion quills are made from quality alloy steel, then heat treated for strength, long-life, and rigidity. Diameters and threads are ground for concentricity and squareness to optimize grinding conditions.

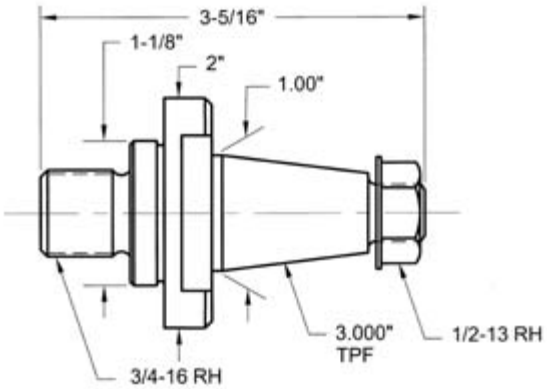
01450 Converts Heald 7-187 Straight Shank to 3" TPF, 1" LE



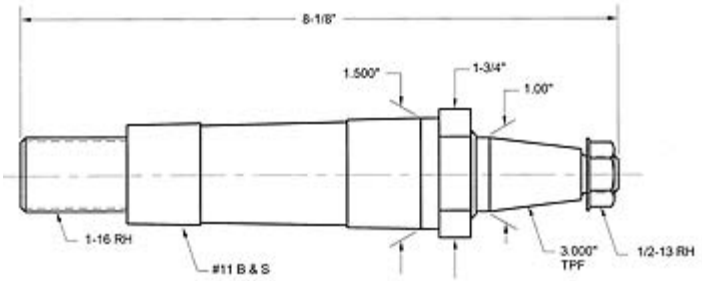
31019 Converts Heald #49 Taper to 3" TPF, 1" LE



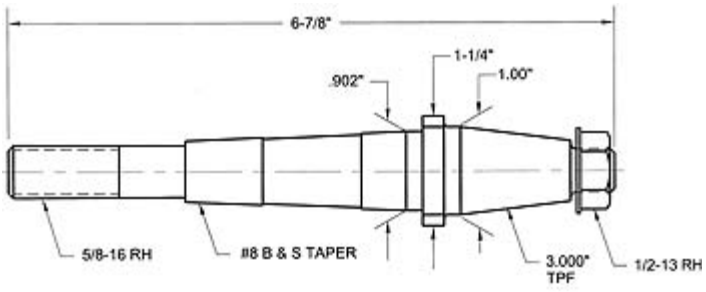
01381 Converts Heald 9-189 Straight Shank to 3" TPF, 1" LE



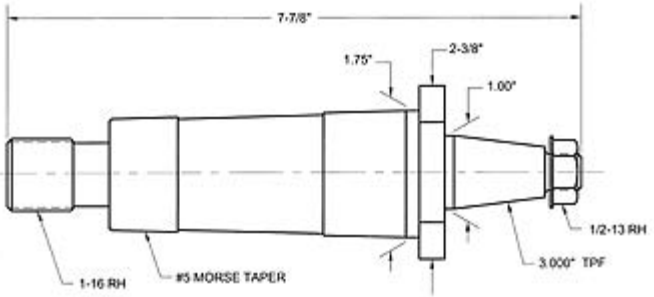
40019 Converts Heald #51 Taper to 3" TPF, 1" LE



31018 Converts Heald #47 Taper to 3" TPF, 1" LE



01226 Converts Heald #53 Taper to 3" TPF, 1" LE



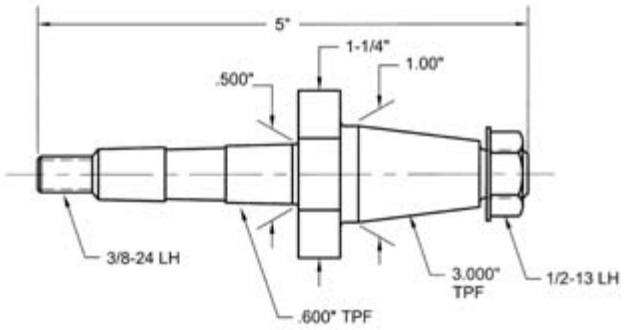
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

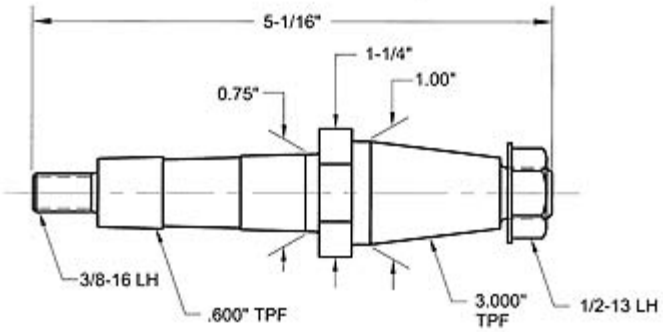
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Spindle Conversion Quills.

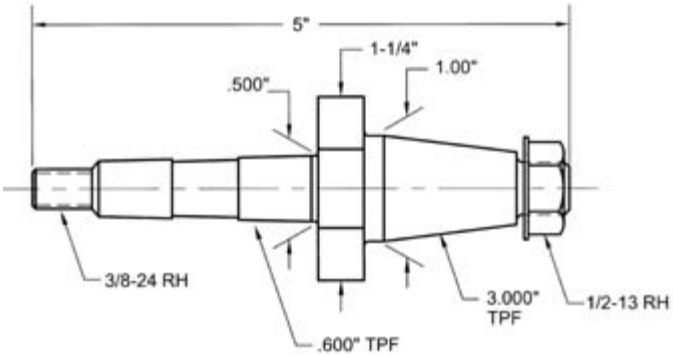
40005 Converts 0.500 Jarno LH Taper to 3" TPF, 1" LE



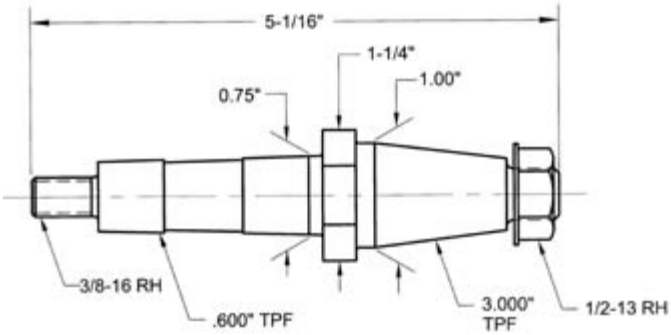
40009 Converts 0.750 Jarno LH Taper to 3" TPF, 1" LE



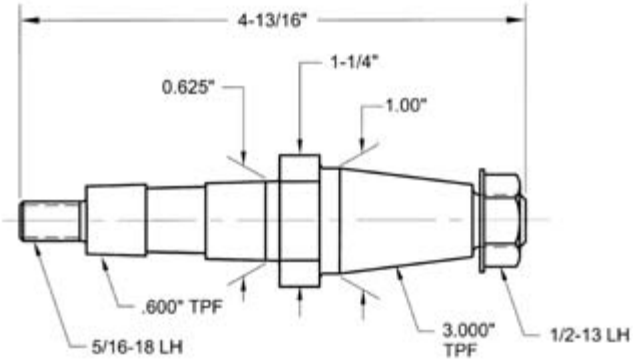
40006 Converts 0.500 Jarno RH Taper to 3" TPF, 1" LE



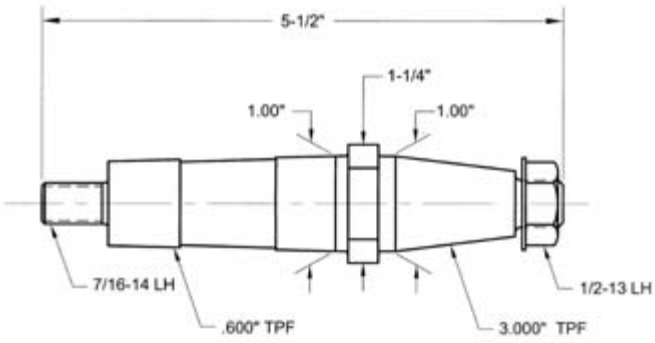
40010 Converts 0.750 Jarno RH Taper to 3" TPF, 1" LE



40007 Converts 0.625 Jarno LH Taper to 3" TPF, 1" LE



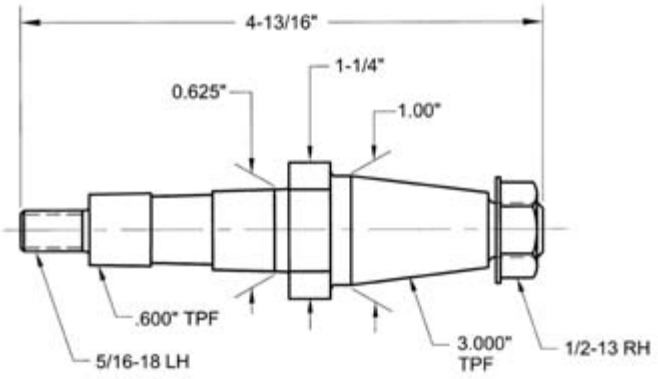
40001 Converts 1.000 Jarno LH Taper to 3" TPF, 1" LE

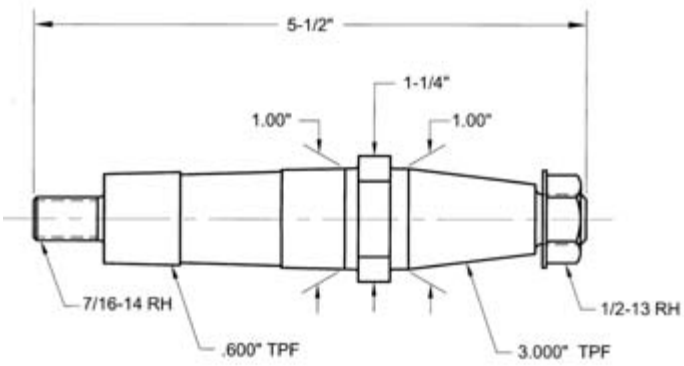


40008 Converts 0.625 Jarno RH Taper to 3" TPF, 1" LE

40000 Converts 1.000 Jarno RH Taper to 3" TPF, 1" LE

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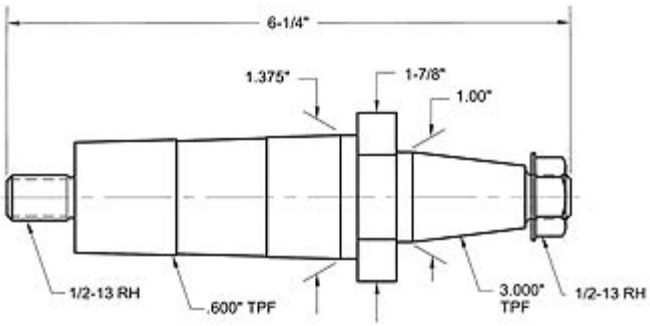


ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

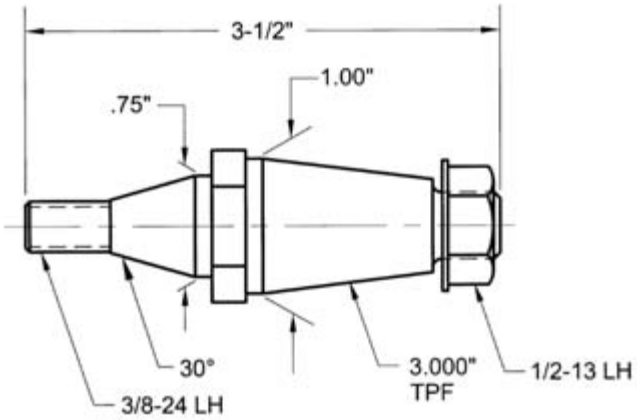
CAUTION!
Always Wear Safety Goggles When Griding.

Spindle Conversion Quills.

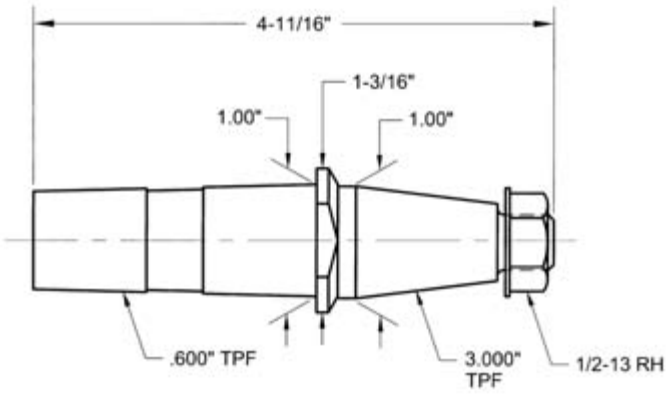
01172 Converts 1.375 Jarno RH Taper to 3" TPF, 1" LE



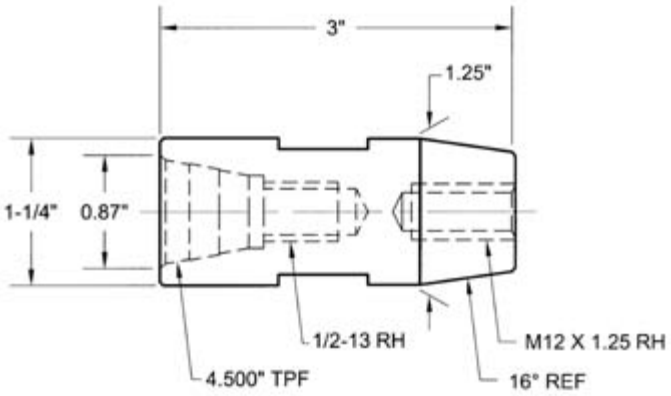
40017 Converts Cincinnati Monoset Taper to 3" TPF, 1" LE



40012 Converts 1.000 Jarno PM to 3" TPF, 1" LE

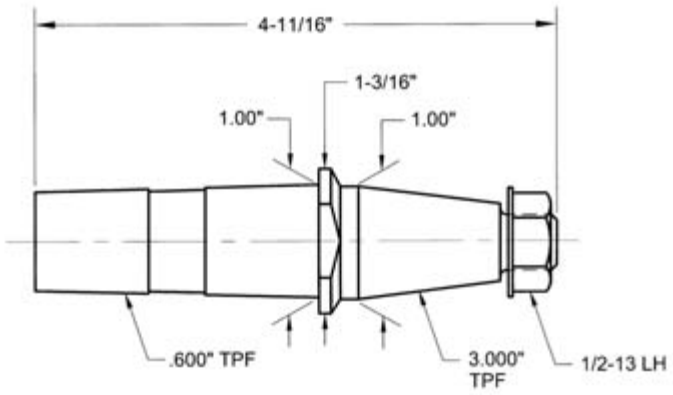


05338 Converts Older RH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE

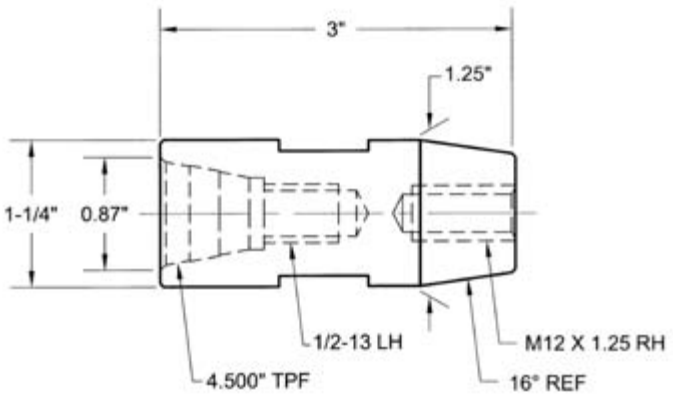


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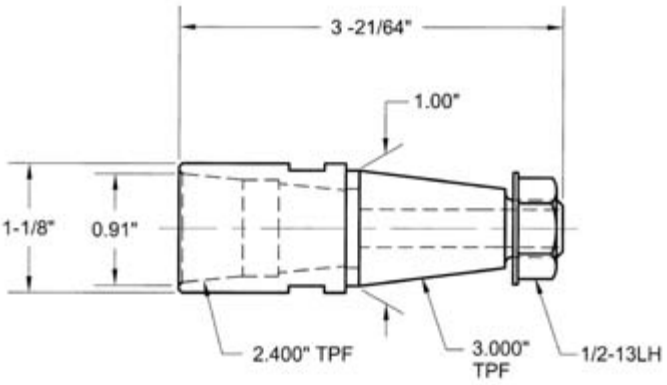
40014 Converts 1.000 Jarno PM to 3" TPF, 1" LE



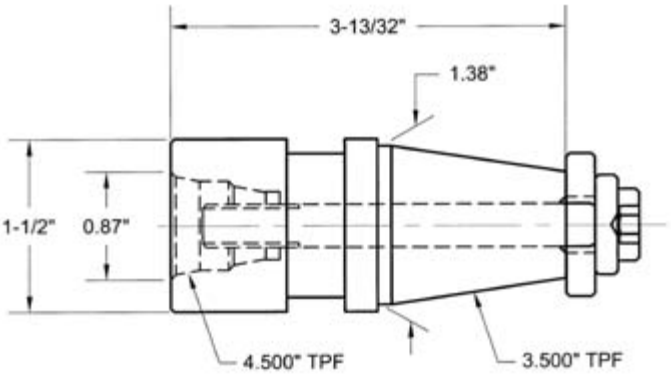
50342 Converts Older LH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE



00962 Converts Walter NC50 Taper to 3" TPF, 1" LE



00914 Converts Newer RH Cincinnati 4.5" TPF, .87" LE to ANCA TG7 Taper

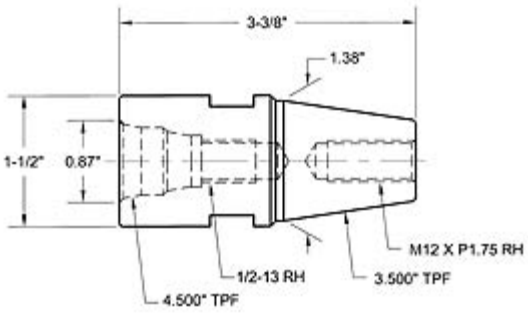


ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

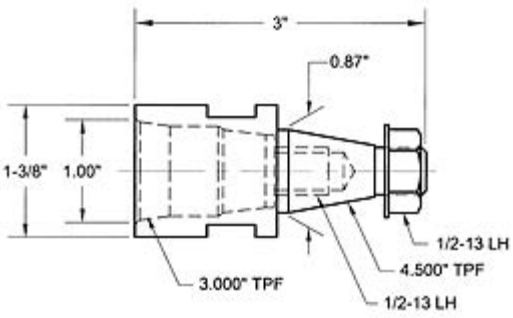
CAUTION!
Always Wear Safety Goggles When Griding.

Spindle Conversion Quills.

01118 Converts Older RH Cincinnati 4.5" TPF, .87" LE to ANCA TG7 Taper

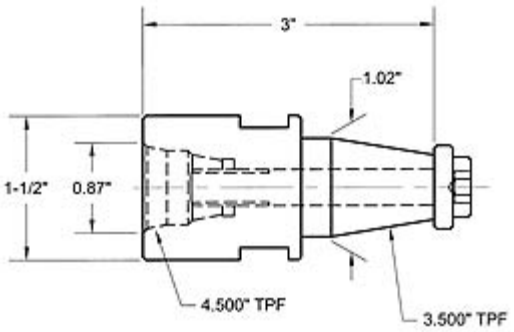


00322 Converts 3" TPF, 1" LE to Cincinnati 4.5" TPF, .87" LE

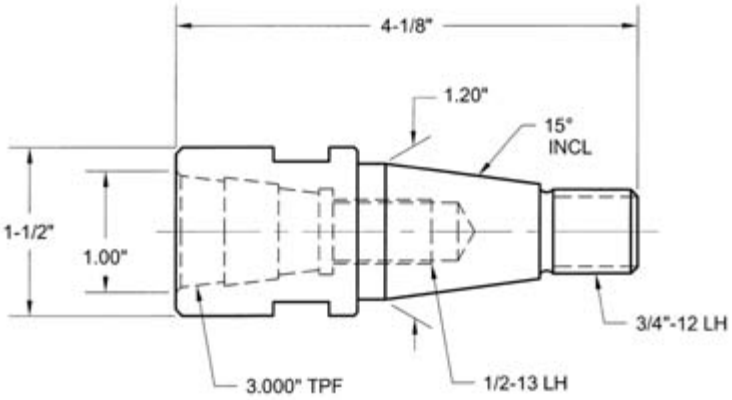


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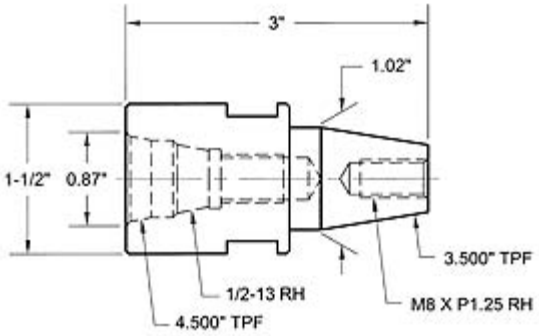
00489 Converts Newer RH Cincinnati 4.5" TPF, .87" LE to ANCA MG7 Taper



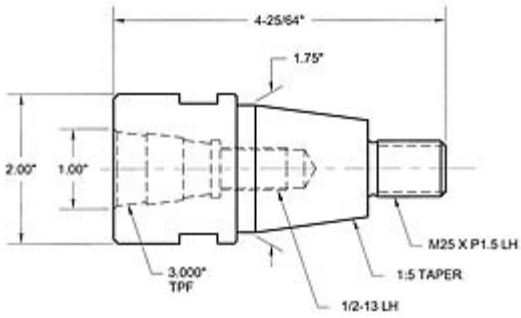
50324 Converts 3" TPF, 1" LE to Myford 15° Ref, 1.024" LE



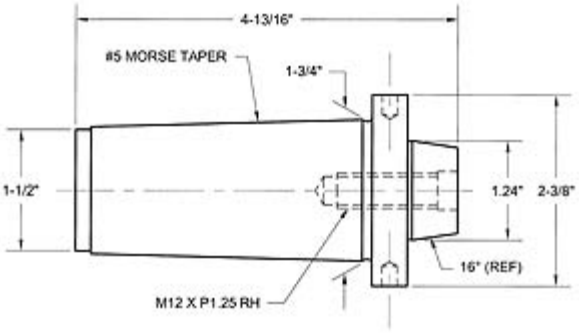
00809 Converts Older RH Cincinnati 4.5" TPF, .87" LE to ANCA MG7 Taper



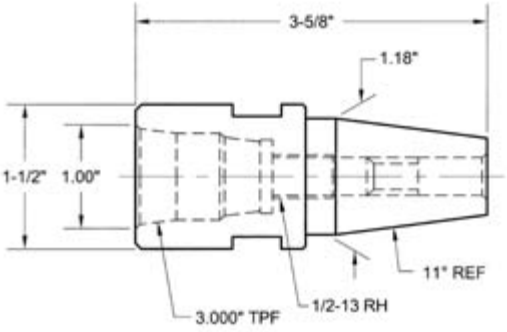
50325 Converts 3" TPF, 1" LE to Okamoto 1:5 Taper Ratio, 1.75" LE



50348 Converts #5 Morse Taper to Walter 16° Ref, 1.25" LE



50366 Converts 3" TPF, 1" LE to Strausak 11° Ref, 30MM LE.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

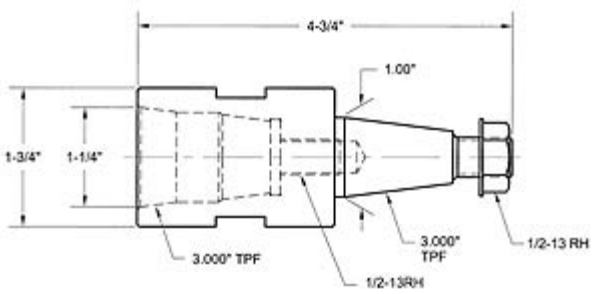
CAUTION!
Always Wear Safety Goggles When Griding.

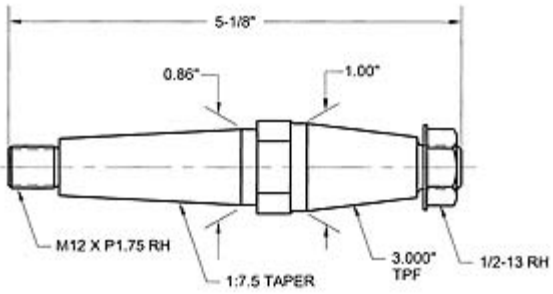
Spindle Conversion Quills.

50312 Converts 3" TPF, 1.25" LE to 3" TPF, 1" LE

50190 Converts Schütte 1:7.5 Taper Ratio to 3" TPF, 1" LE

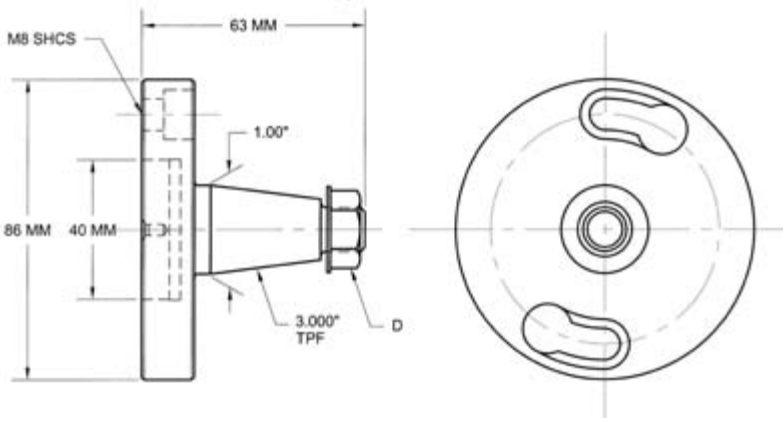
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Converts Schütte WU400-5C RH Spindle to 3" TPF, 1" LE





SOPKO CATALOG NO.	DIMENSIONS D
50045	1/2-13RH
50203	1/2-13LH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

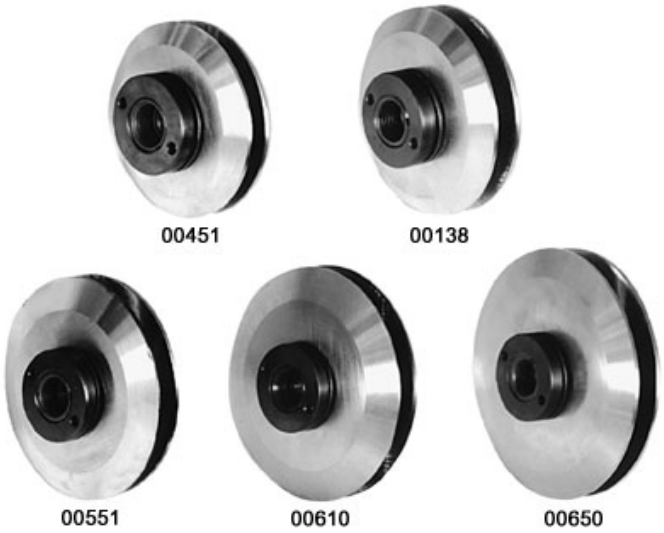
CAUTION!
Always Wear Safety Goggles When Griding.

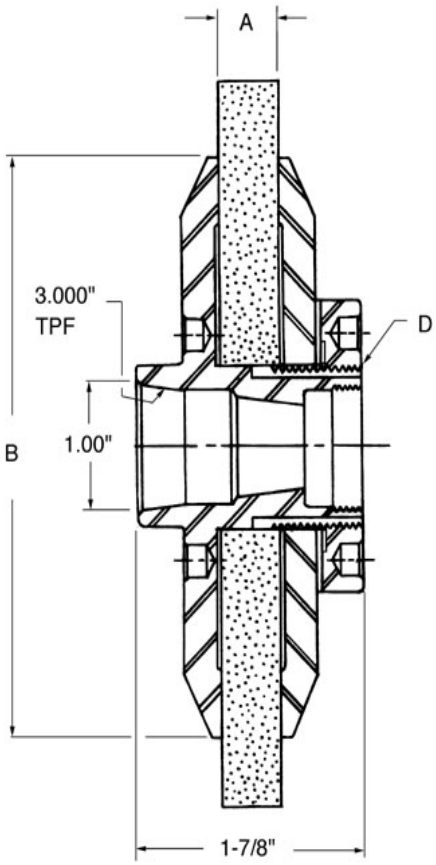
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Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. DESIGNED FOR THIN CUT-OFF WHEELS AND DIAMOND WHEELS.

Sopko flanged adapters are machined from alloy steel. The resulting one piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design, and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.





SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00451	4.5-1	0 to 1/2	4-1/2	1-1/4-16LH
00452	4.5-2	0 to 1/2	4-1/2	1-1/4-16RH
00138	5.0-1	0 to 1/2	5	1-1/4-16LH
00139	5.0-2	0 to 1/2	5	1-1/4-16RH
00551	5.5-1	0 to 1/2	5-1/2	1-1/4-16LH
00552	5.5-2	0 to 1/2	5-1/2	1-1/4-16RH
00610	6.0-1	0 to 1/2	6	1-1/4-16LH
00612	6.0-2	0 to 1/2	6	1-1/4-16RH
00650	6.5-1	0 to 1/2	6-1/2	1-1/4-16LH
00652	6.5-2	0 to 1/2	6-1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

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All the quality features you expect from Sopko are built into these larger diameter flanged wheel adapters too...

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.



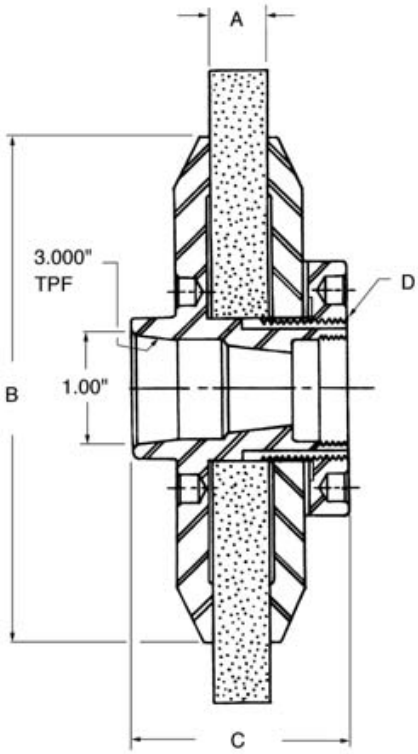


00710

(Front Side) **(Taper Side)**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00710 00712	7.0-1 7.0-2	0 to 1/2 0 to 1/2	7 7	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00750 00752	7.5-1 7.5-2	0 to 1/2 0 to 1/2	7-1/2 7-1/2	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00810 00812	8.0-1 8.0-2	0 to 1/2 0 to 1/2	8 8	2 2	1-1/4-16LH 1-1/4-16RH

See page 74 for available flanges.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.* FOR 2.000" AND 3.000" ID WHEELS.

Now you can extend the useful working life of 2.000" and 3.000" ID grinding wheels. There is no need to waste money by throwing worn wheels away. Extend wheel life, use Sopko 4-1/2" flanged diameter wheel adapters! Machined from forged alloy steel, the one-piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

All the quality features you expect from Sopko are built into these flanged wheel adapters for 2.000" ID and 3.000" ID grinding wheels.

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.
- Not for larger surface grinders (taper is 1.00" at LE).



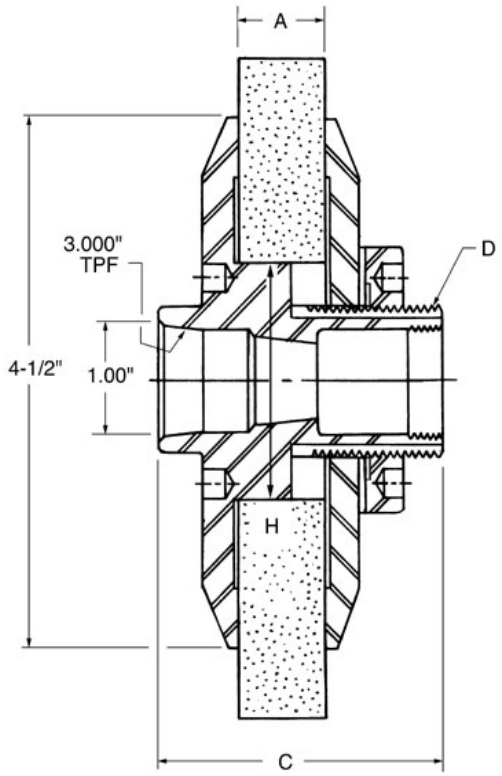
00453



00455

SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D	H
00453	4.5-1-2	3/8 to 3/4	2-1/8	1-1/4-16LH	2.00
00454	4.5-2-2	3/8 to 3/4	2-1/8	1-1/4-16RH	2.00

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00455	4.5-1-3	3/8 to 1	2-3/8	1-1/4-16LH	3.00
00456	4.5-2-3	3/8 to 1	2-3/8	1-1/4-16RH	3.00

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

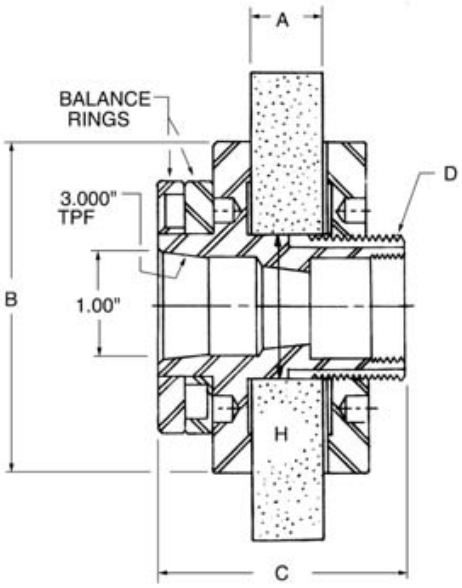
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.



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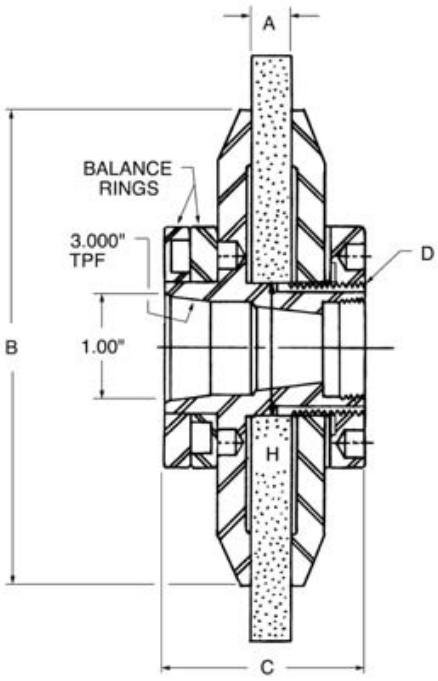
00460



00248
(Front Side)

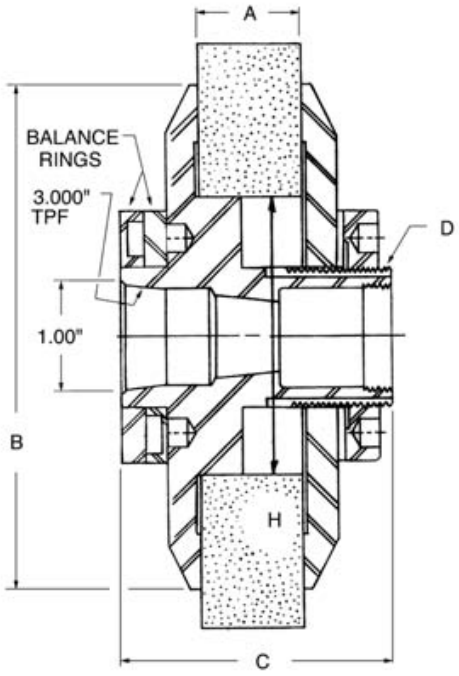


00251
(Taper Side)



SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000

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*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Reversible Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way without redressing.
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper and are securely locked against loosening by the wheel rotation.
- Manufactured from quality steel to withstand the rigors of daily use, then HARDENED and GROUND.

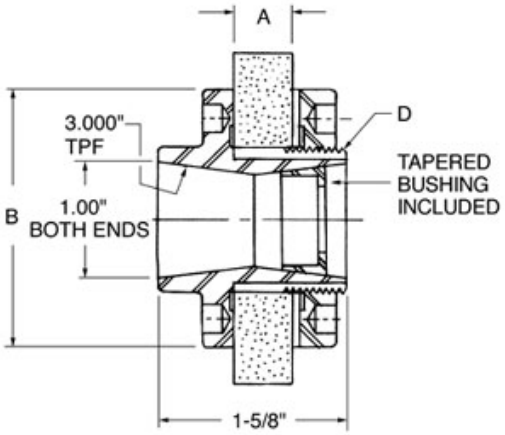
For use on all spindles having a 3.000" TPF with 1.00" diameter at large end of taper. Including: Boyar-Schultz, Bridgeport, Brown & Sharpe, DoAll, Excello, Foote Burt-Hammond, Harig, Norton, Parker Majestic,

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Pope, Reid, Sanford, Setco, Taft Pierce, and Whitnon.



A precision ground double-taper and removable bushing make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. LH thread is standard.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00222	222RWA	1/4 to 1/2	2-1/4	1-1/4-16LH
00255	222RWA-R	1/4 to 1/2	2-1/4	1-1/4-16RH
00256	4.5-2RWA	0 to 1/2	4-1/2	1-1/4-16RH
00022	22-W	Replacement tapered bushing.		

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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01112



00651



00358



00360

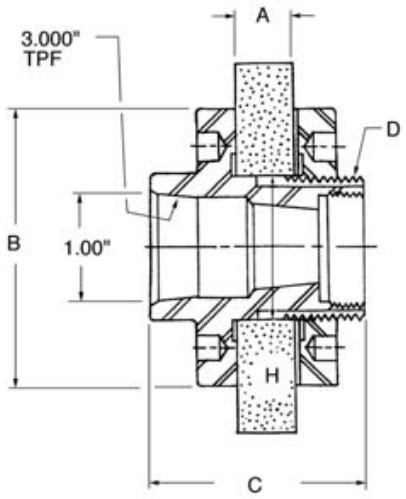


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250
00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250

Electroless nickel plating available on all Sopko adapters at additional cost.
*Balancing style adapter.

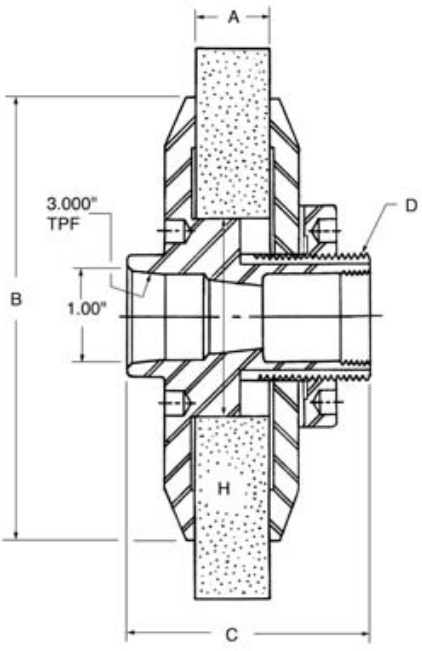


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.



00739



00738



00737

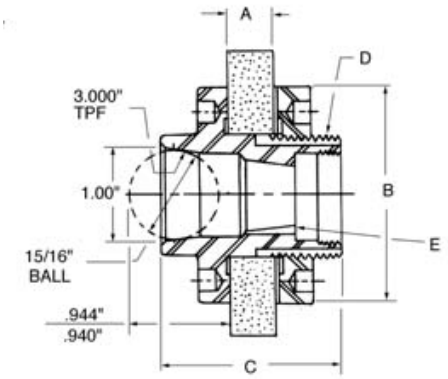


FIG. 1

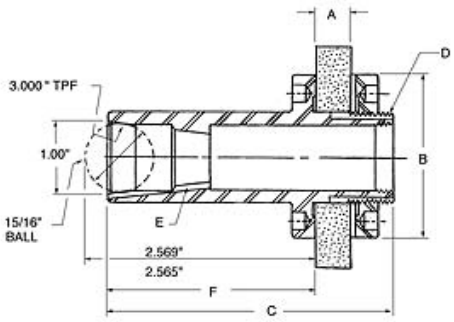


FIG. 2

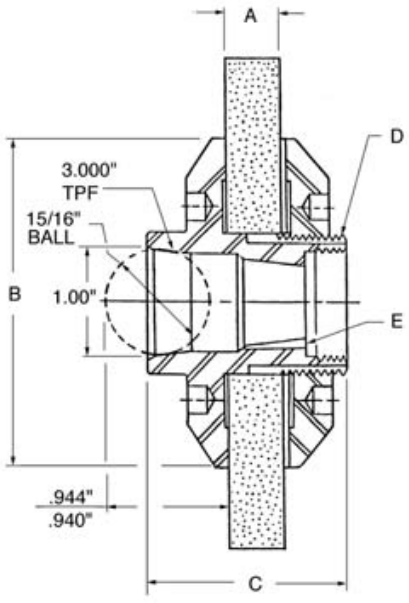


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

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* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

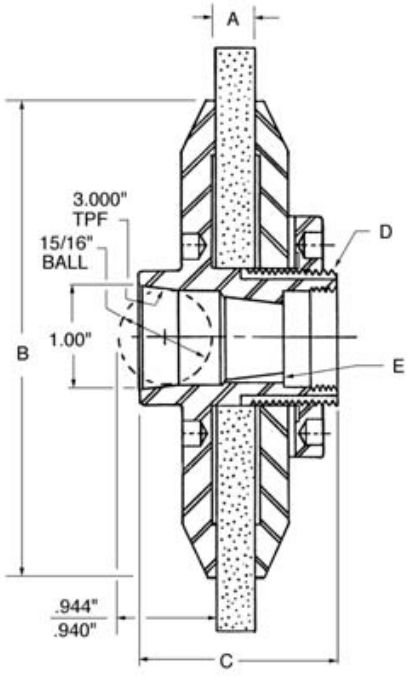


FIG. 4

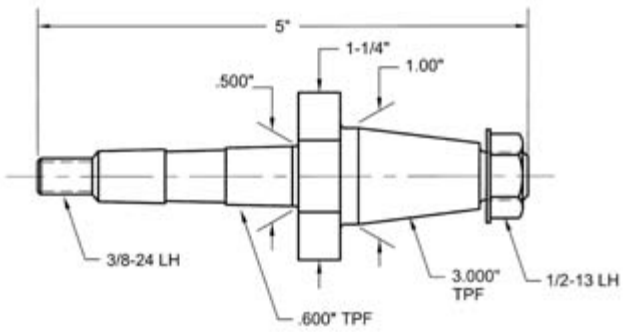
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

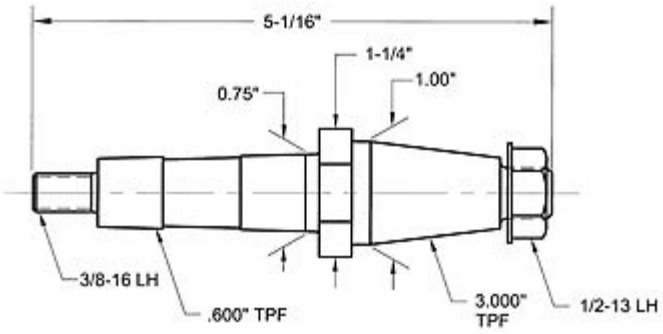
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Spindle Conversion Quills.

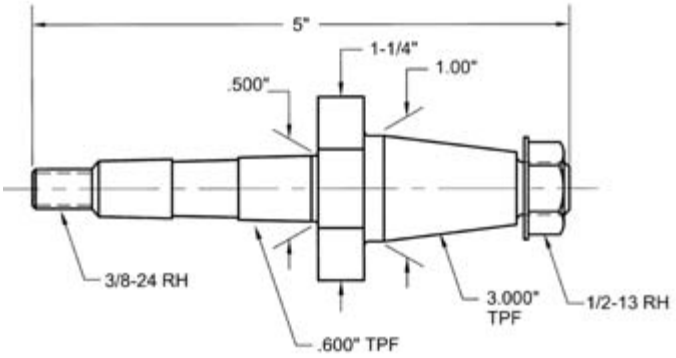
40005 Converts 0.500 Jarno LH Taper to 3" TPF, 1" LE



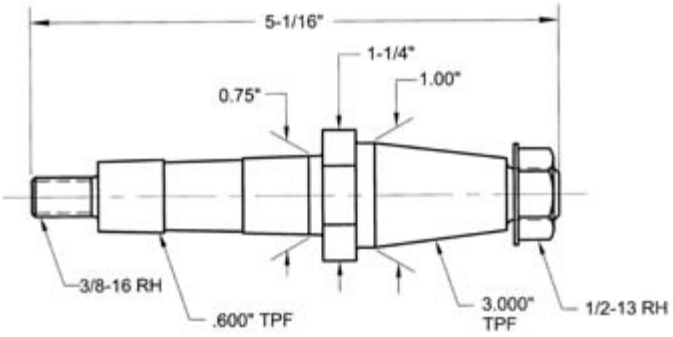
40009 Converts 0.750 Jarno LH Taper to 3" TPF, 1" LE



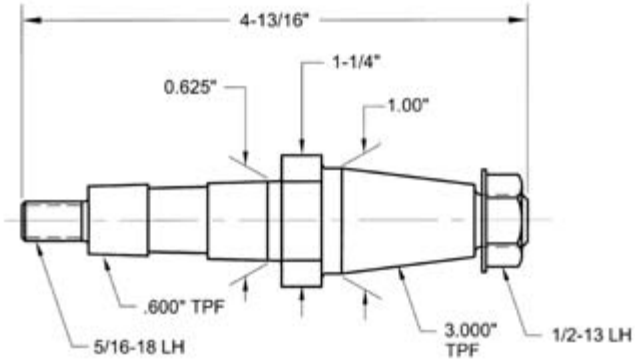
40006 Converts 0.500 Jarno RH Taper to 3" TPF, 1" LE



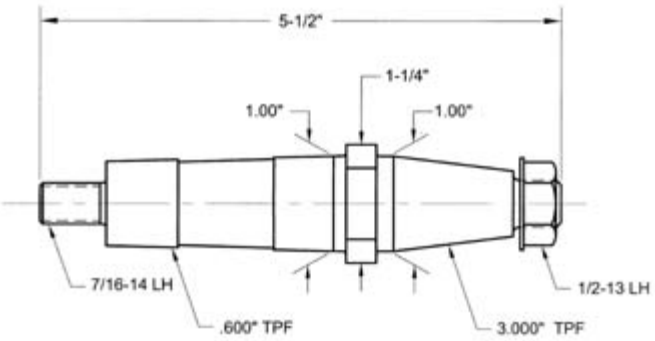
40010 Converts 0.750 Jarno RH Taper to 3" TPF, 1" LE



40007 Converts 0.625 Jarno LH Taper to 3" TPF, 1" LE



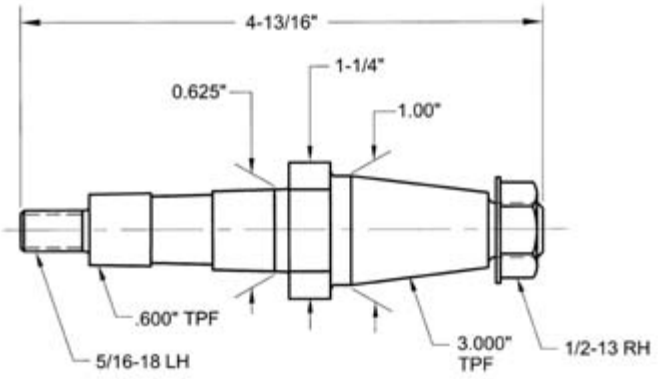
40001 Converts 1.000 Jarno LH Taper to 3" TPF, 1" LE

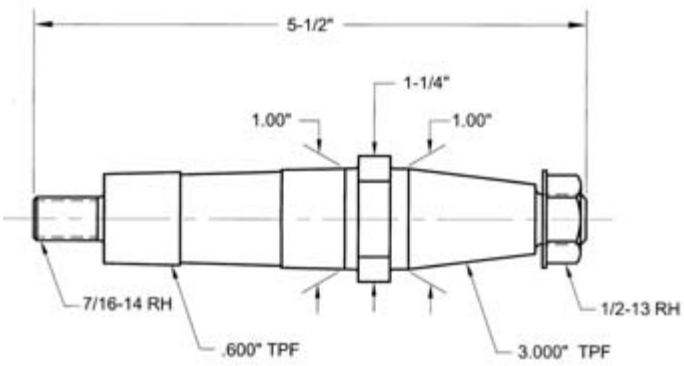


40008 Converts 0.625 Jarno RH Taper to 3" TPF, 1" LE

40000 Converts 1.000 Jarno RH Taper to 3" TPF, 1" LE

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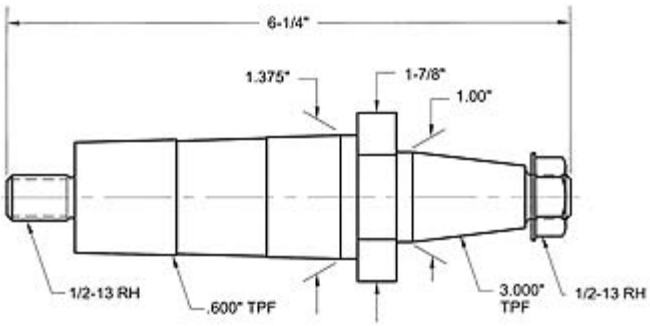


ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

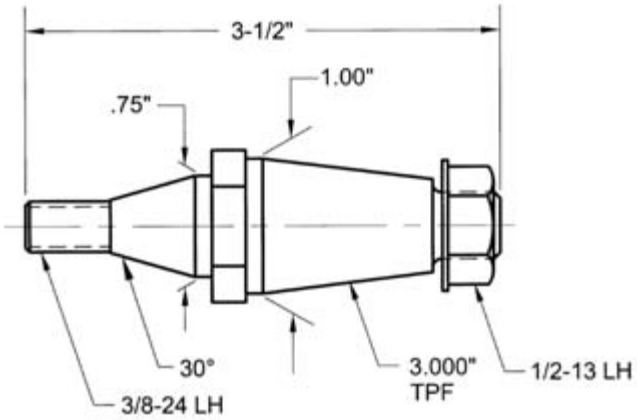
CAUTION!
Always Wear Safety Goggles When Griding.

Spindle Conversion Quills.

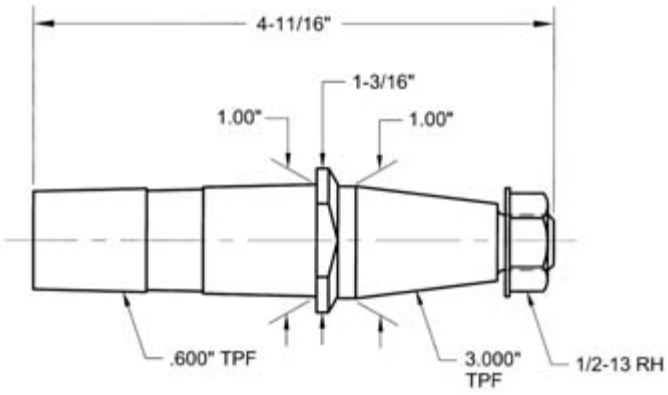
01172 Converts 1.375 Jarno RH Taper to 3" TPF, 1" LE



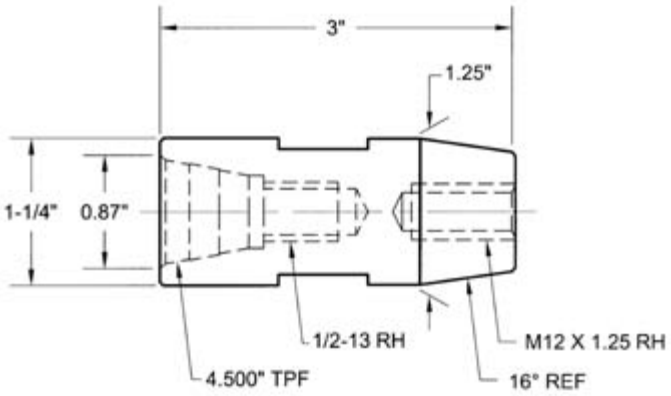
40017 Converts Cincinnati Monoset Taper to 3" TPF, 1" LE



40012 Converts 1.000 Jarno PM to 3" TPF, 1" LE

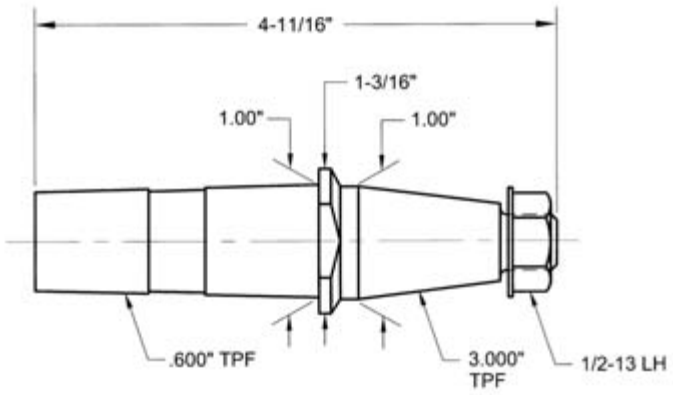


05338 Converts Older RH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE

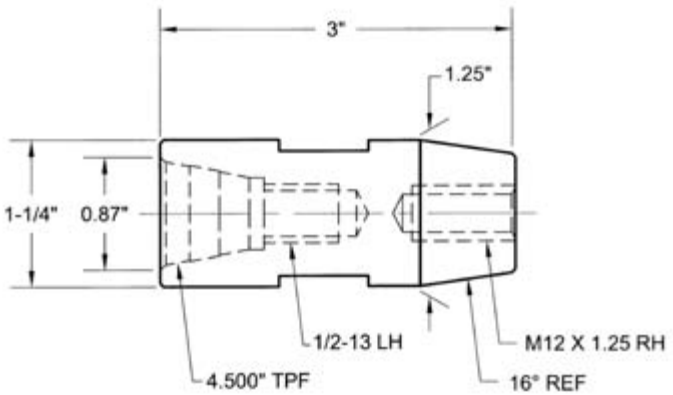


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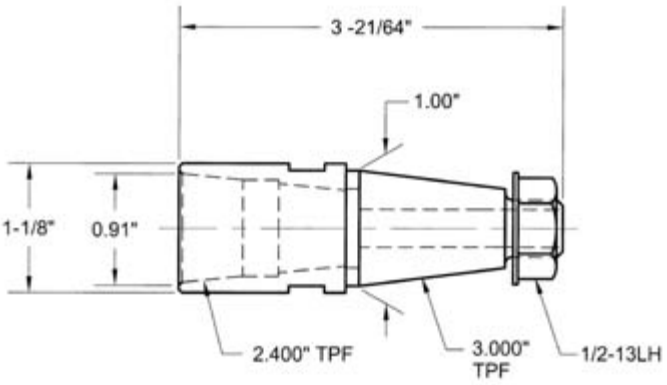
40014 Converts 1.000 Jarno PM to 3" TPF, 1" LE



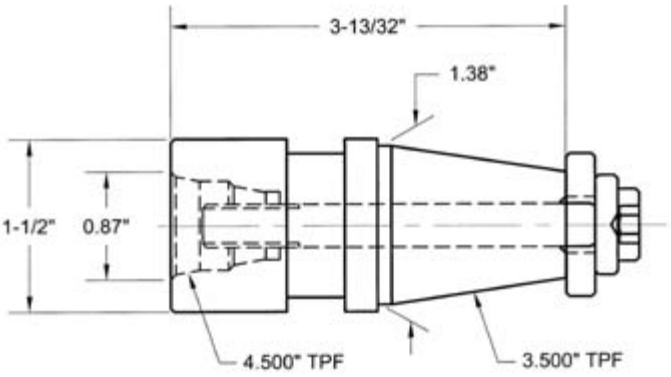
50342 Converts Older LH Cincinnati 4.5" TPF, .87" LE to Walter 16° Ref, 1.25" LE



00962 Converts Walter NC50 Taper to 3" TPF, 1" LE



00914 Converts Newer RH Cincinnati 4.5" TPF, .87" LE to ANCA TG7 Taper

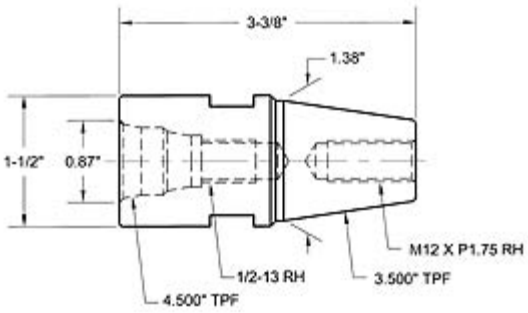


ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

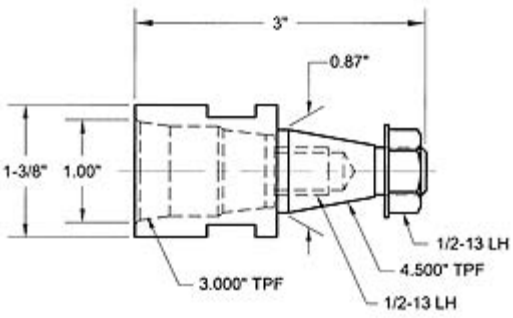
CAUTION!
Always Wear Safety Goggles When Griding.

Spindle Conversion Quills.

01118 Converts Older RH Cincinnati 4.5" TPF, .87" LE to ANCA TG7 Taper

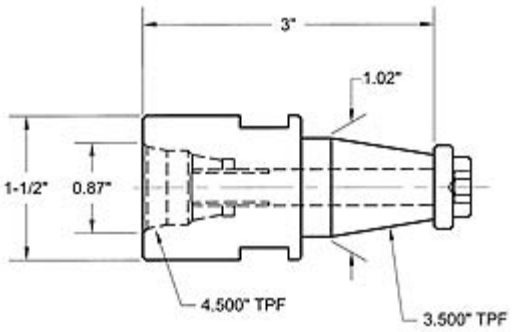


00322 Converts 3" TPF, 1" LE to Cincinnati 4.5" TPF, .87" LE

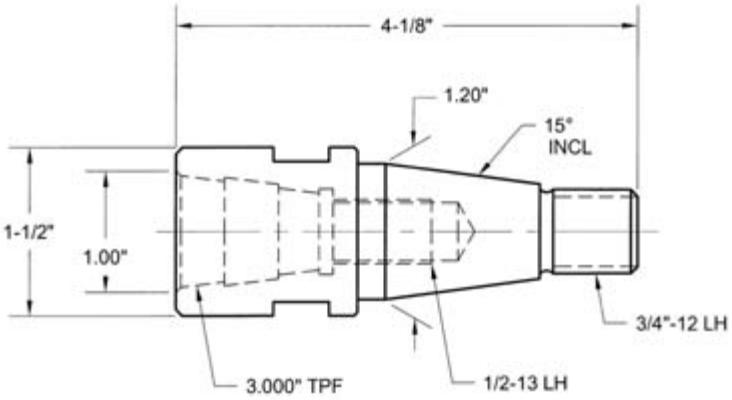


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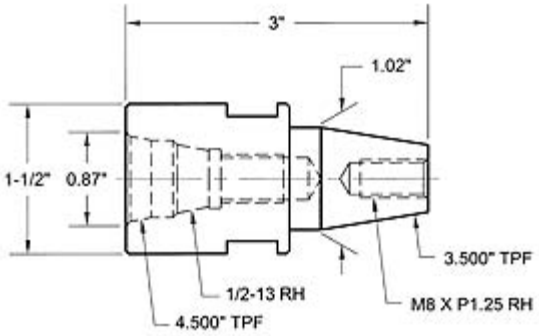
00489 Converts Newer RH Cincinnati 4.5" TPF, .87" LE to ANCA MG7 Taper



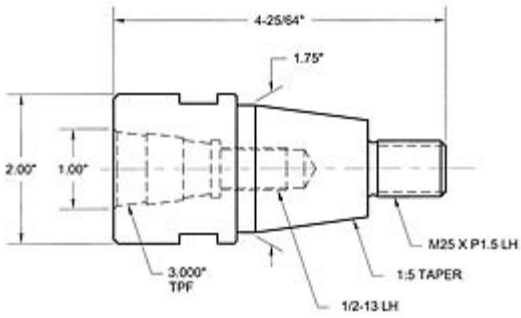
50324 Converts 3" TPF, 1" LE to Myford 15° Ref, 1.024" LE



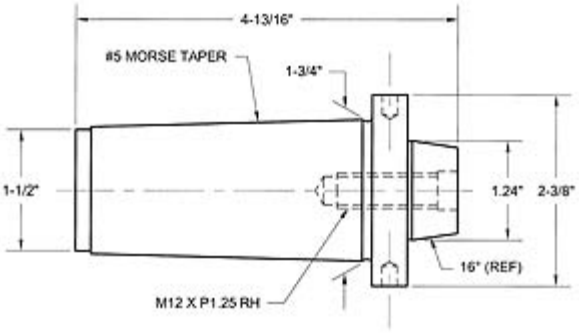
00809 Converts Older RH Cincinnati 4.5" TPF, .87" LE to ANCA MG7 Taper



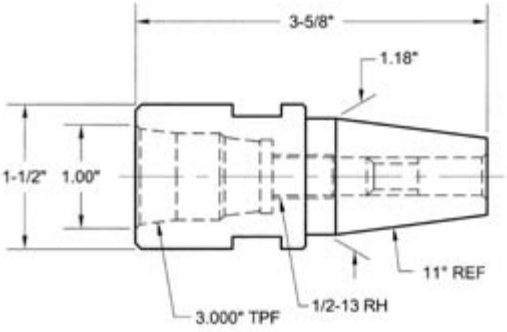
50325 Converts 3" TPF, 1" LE to Okamoto 1:5 Taper Ratio, 1.75" LE



50348 Converts #5 Morse Taper to Walter 16° Ref, 1.25" LE



50366 Converts 3" TPF, 1" LE to Strausak 11° Ref, 30MM LE.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

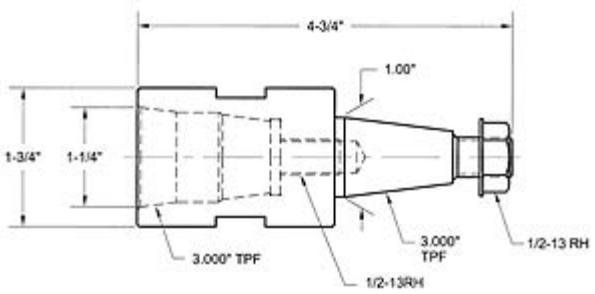
CAUTION!
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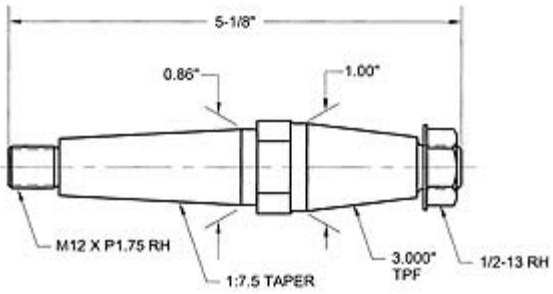
Spindle Conversion Quills.

50312 Converts 3" TPF, 1.25" LE to 3" TPF, 1" LE

50190 Converts Schütte 1:7.5 Taper Ratio to 3" TPF, 1" LE

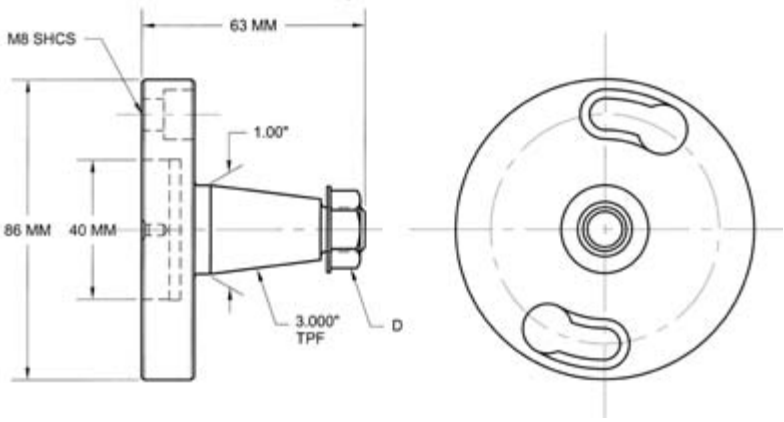
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Converts Schütte WU400-5C RH Spindle to 3" TPF, 1" LE





SOPKO CATALOG NO.	DIMENSIONS D
50045	1/2-13RH
50203	1/2-13LH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters
With 3/32” Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



00719



00716



00721

Note: 3/32" Keyway in small end of taper only

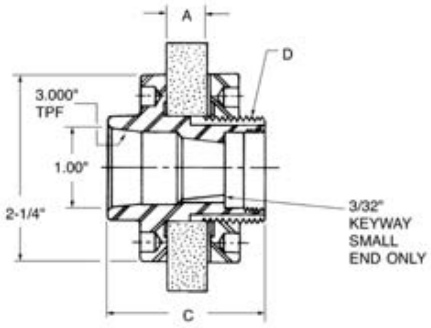
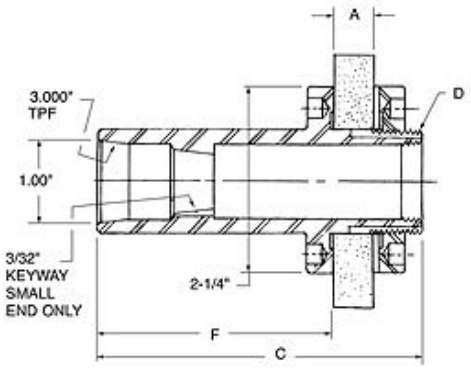


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	F
00716	1	U200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00717**	1	BU200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00718	1	U200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00719	2	U200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00720	2	U200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00721	2	U200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00423	2	U200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16
00722	1	U300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00709	1	U300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00723	1	U300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00193**	1	BU300-1	3/4 to 1	2-1/4	1-1/4-16LH	-



Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

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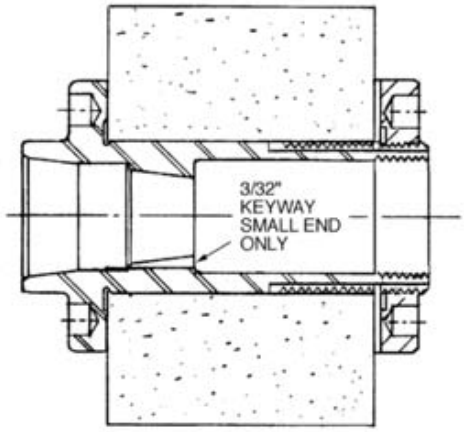
Standard Taper Wheel Adapters
With 3/32” Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250” ID WHEELS.



Note: 3/32" Keyway in small end of taper only

00725



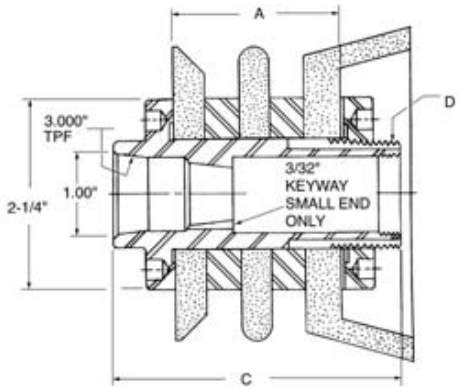


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00724	1	U400-1A	2	3-3/16	1-1/4-16LH
00725	1	U400-1B	1 to 2	3-3/16	1-1/4-16LH
00726	1	U400-2A	2	3-3/16	1-1/4-16RH
00727**	1	BU400-1B	1 to 2	3-3/16	1-1/4-16LH
00728	1	U500-1A	3	4-3/16	1-1/4-16LH
50320	1	U500-2A	3	4-3/16	1-1/4-16RH
00729	1	U500-1B	2 to 3	4-3/16	1-1/4-16LH
00730	1	U600-1A	4	5-3/16	1-1/4-16LH
00606	1	U600-1B	3 to 4	5-3/16	1-1/4-16LH
00732	2	U330-1	3/4 to 1	2-1/4	1-1/4-16LH
00733	2	U430-1A	2	3-1/4	1-1/4-16LH
00734	2	U430-1B	1 to 2	3-1/4	1-1/4-16LH

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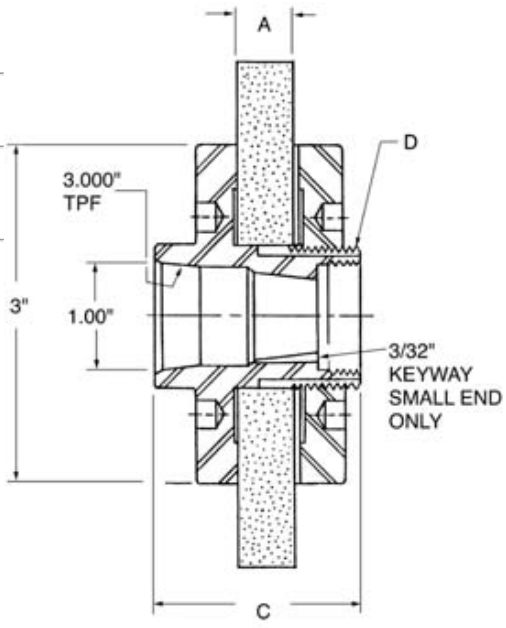


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.

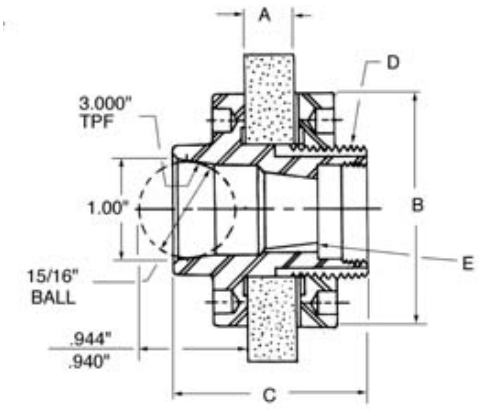


FIG. 1

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00739



00738



00737

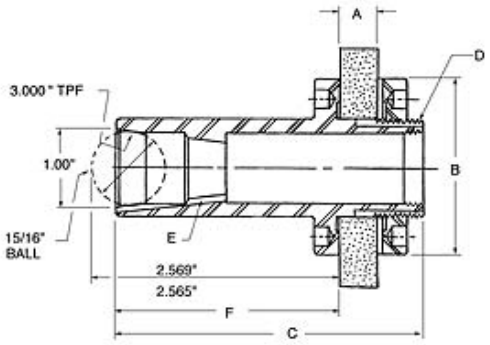


FIG. 2

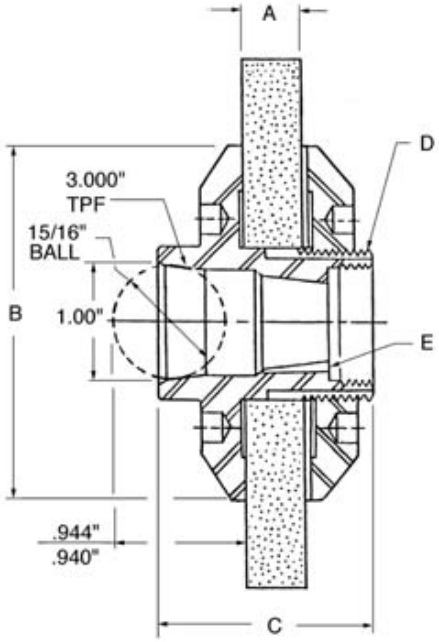


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

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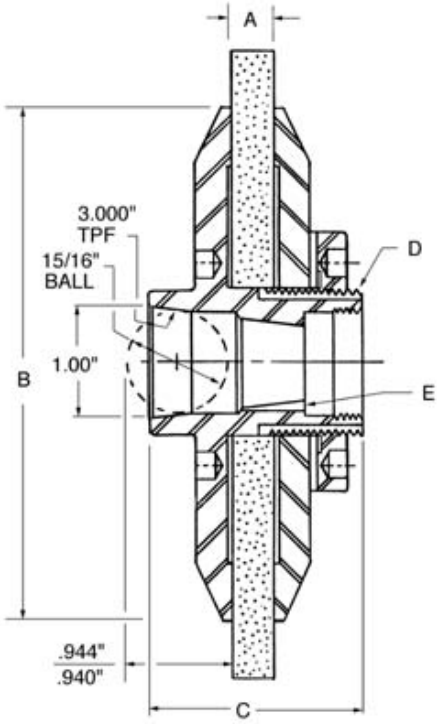


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Wheel Adapters
With Glare Gear Assembly.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The UNIQUE GRINDING WHEEL LOCKING SYSTEM that eliminates damage to grinding wheels and spindle bearings caused by hammering. Also provides best possible mounting concentricity when tightening diamond, CBN, or vitrified wheels.



01231**



01235

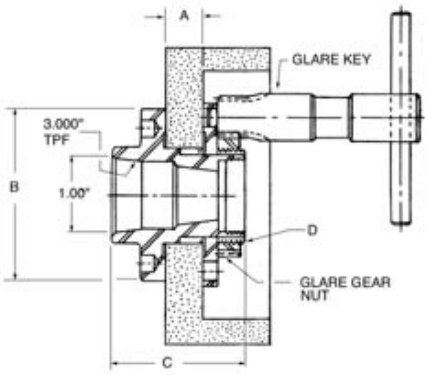


FIG. 1

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SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS					
			A	B	C	D	E	F
01231	1	GG100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-	-
01232	1	GG100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-	-
01233	1	GG200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-	-
01234	1	GG200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-	-
01235	1	GG220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	-	-
01236	1	GG300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-	-
01237	1	GG300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	-	-
00159	1	GG300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	-	-
00127	1	GG400-1A	2	2-1/4	3-3/16	1-1/4-16LH	-	-
00566	1	GG400-2A	2	2-1/4	3-3/16	1-1/4-16RH	-	-
00189	1	GG400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	-	-
00417	1	GG500-1A	3	2-1/4	4-3/16	1-1/4-16LH	-	-
00462	1	GG500-2A	3	2-1/4	4-3/16	1-1/4-16RH	-	-
00704	1	GG500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	-	-
01282	3	GG200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-	2-5/16
00687	3	GG200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	-	3-7/16
00740*	2	GGU100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	3/32	-
00741*	2	GGU100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	3/32	-
00742*	2	GGU200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32	-
00743*	2	GGU200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	3/32	-
00744*	2	GGU300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	3/32	-
00745*	2	GGU300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	3/32	-
00746*	2	GGU300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	3/32	-
00747*	2	GGU400-1A	2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00748*	2	GGU400-2A	2	2-1/4	3-3/16	1-1/4-16RH	3/32	-
00194*	2	GGU400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00324*	2	GGU500-1A	3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00548*	2	GGU500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00320*	3	GGU200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/32	2-5/16
00595*	3	GGU200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3/32	3-7/16
50329*	3	GGU200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	3/32	2-5/16

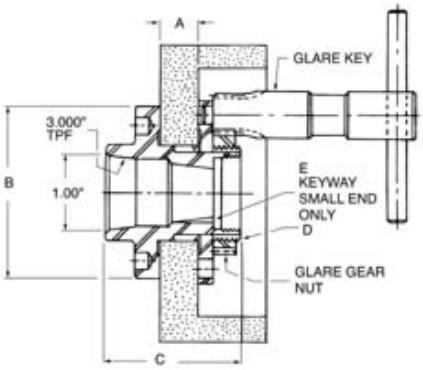


FIG. 2

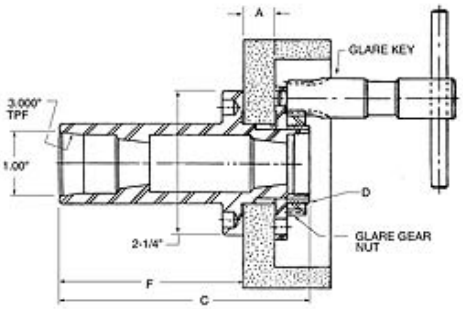


FIG. 3

See page 73 for complete selection of Glare Gear components.
Glare Gear Assemblies can be furnished with all 1-1/4" ID adapters.
List above is stocked product only.
*For grinding machines manufactured by Unison Corp., Ferndale, MI.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Grinding Machines
Manufactured by ANCA, Victoria, Australia.

19° 05' 06" INC ANGLE TAPER AND 3.500" TPF WITH .85", 1.02", AND 1.38" DIAMETER AT LARGE END OF TAPER.

A Sopko innovation, Double Taper ANCA Conversion Adapters offer convenience and flexibility. Now, you can use conventional machines to accurately dress wheel-packs mounted on ANCA adapters without losing valuable production time. Two precision ground tapers provide reliable spindle and adapter mounting. Made from quality alloy steel, ANCA Double Taper Conversion Adapters are heat treated for strength, long-life, and rigidity. Diameters are ground for concentricity and squareness. These fine Sopko features combine to maintain the original high quality standards of the ANCA Fastgrind system. A 1-1/4” wrench flat on the body makes installation and removal easy.



50193

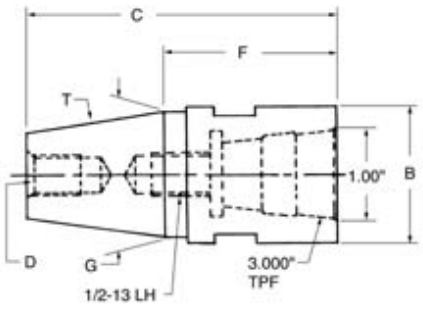


FIG. 1

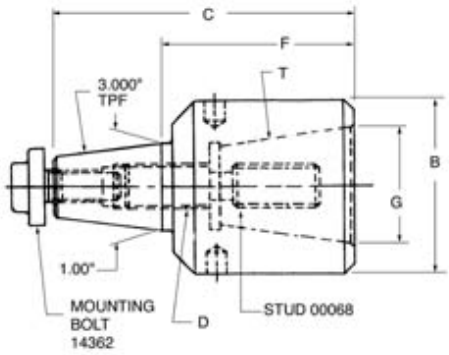


FIG. 2

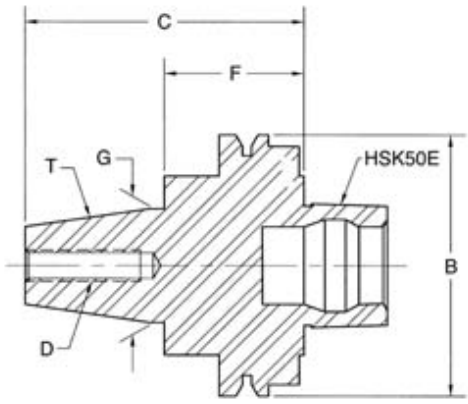


FIG. 3

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		B	C	D	F	G	T	MACHINE
50194	1	1-1/2	3	3/8-16RH	2-1/4	.85	19° 05' 06"	TG4
50354	1	1-1/2	3-3/8	M12X1.75RH	1-7/8	1.38	3.500	TG7/DM7
50192	1	1-1/2	3-3/8	M12X1.75RH	1-7/8	1.38	3.500	TG7/DM7
50178	2	2	3-1/2	M12X2.0RH	2-1/4	1.38	3.500	TG7/DM7
01150	3	80MM (3.15”)	3-7/16	M12X1.75RH	1-15/16	1.38	3.500	TG7/DM7
50193	1	1-1/2	3	M8X1.25RH	1-15/16	1.02	3.500	MG7/RG7/RGX
00497	1	1-1/2	3-23/32	M8X1.25RH	2-5/8	1.02	3.500	MG7/RG7/RGX

See ANCA spacers on page 75 and accessories on page 81 and 83.
See ANCA Mount/Dismount fixture on page 94.

SPINDLE MOUNTING BOLT AND LOCK WASHER SETS

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SOPKO CATALOG NO.	MACHINE	THREAD	LENGTH
00664	TG4 (00621)	3/8-16RH	2-3/4
00897	TG4 (00622)	3/8-16RH	4
01034	TG4 (00623)	3/8-16RH	1-3/4
01053	TG4 (00624)	3/8-16RH	3/4
01101	TG4 (00620)	3/8-16RH	4-1/2
00665	TG7/DM7	M12XP1.75RH	30MM (1.18”)
00667	TG7 (50163)	M12XP1.75RH	100MM (3.94”)
00666	MG7/RG7	M8XP1.25RH	30MM (1.18”)




00664 **00666**




00665 **00667**

RECESSED WASHERS

SOPKO CATALOG NO.	MACHINE	OD	ID	THICKNESS
00162	TG4	21MM (.83”)	10MM (.39”)	6MM (.24”)
00163	TG7/DM7	33MM (1.30”)	13MM (.51”)	7MM (.28”)
00164	MG7/RG7	22MM (.87”)	8.5MM (.33”)	15MM (.59”)



00164 **00163** **00162**

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapter Parts.

Keyed Washers.

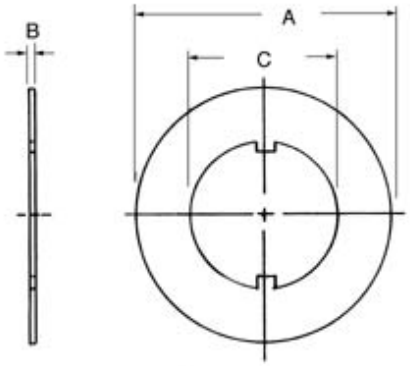
Make it safe, make it perform, and make it reliable-that’s what drives Sopko product design. Even the simple adapter washer is not too trivial to be overlooked in our attention to detail. Single-tang washer designs set up inherent out-of-balance conditions that are avoided with Sopko products manufactured with equal and opposite adapter hub key slots and DUAL-TANG washers. The separation provided by a washer prevents potential frictional wheel damage caused by nut contact, assuring every machine operator of safe wheel lock that is less likely to loosen under a load than ordinary adapters. There’s a trust between Sopko and its customers; we’re working hard every day to keep it!



00034 **00012** **05518**



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00000 **00062** **00008** **00032**

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	DESCRIPTIONS
00000	062x1-3/4	1-3/4	1/16	1-1/4	For X200-1 & X200-2 adapters
00003	913-0-00-1007	1.85	1/16	1-1/4	For ANCA MG7 series adapters
00004	062x2	2	1/16	1-1/4	For Pope adapters 00529,00530,00531,00532,00533
00030	030x2-1/4	2-1/4	1/32	1-1/4	
00005 *	EN-030x2-1/4	2-1/4	1/32	1-1/4	Electroless nickel plated
00006	SS030x2-1/4	2-1/4	1/32	1-1/4	Stainless steel
00062	062x2-1/4	2-1/4	1/16	1-1/4	
00007	-	2-1/4	1/16	1-1/4	For 222RWA adapter only
00008 *	EN-062x2-1/4	2-1/4	1/16	1-1/4	Electroless nickel plated
00009	SS062x2-1/4	2-1/4	1/16	1-1/4	Stainless steel
00447	-	2-5/16	1/32	1-1/4	
01250	-	2-3/8	1/32	1-1/4	
00031	030x2-7/16	2-7/16	1/32	1-1/4	
00032	062x2-7/16	2-7/16	1/16	1-1/4	
00010	030x3	3	1/32	1-1/4	
00033	062x3	3	1/16	1-1/4	
00011 *	EN-062x3	3	1/16	1-1/4	Electroless nickel plated
00012	96.5301.5005	3	1/16	2	For ANCA TG7 series adapters
00016	030x3-1/2	3-1/2	1/32	1-1/4	
00034	062x3-1/2	3-1/2	1/16	1-1/4	
00035	-	4-1/8	1/16	2	For IMM adapter 00691
00019	25-1569-3	4-1/8	1/16	3	For shrouded adapter 00691 AND 00692
04250	-	4-1/4	1/16	1-1/4	For larger wheel adapters 00696, 00555
00023	-	4-1/4	1/16	2	
05518	-	4-1/4	1/8	3	For larger wheel adapters 01316, 01317
04293	-	4-3/4	1/8	3	For Norton S-3 balancing adapters 00824
05519	-	5	1/8	3	For larger wheel adapters 01324, 01330, 01337, 01338
05307	-	7	1/8	5	For larger wheel adapters 01335, 01336

* In stock, but Electroless nickel plating is available for all washers at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Tool & Cutter Grinders
Manufactured by Jungner.

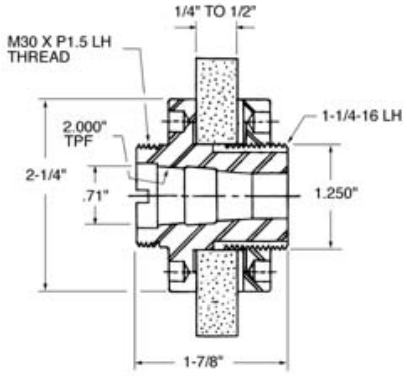
2.000" TPF WITH .71" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Jungner 450 CNC tool and cutter grinder adapter.

SOPKO CATALOG NO.

00690





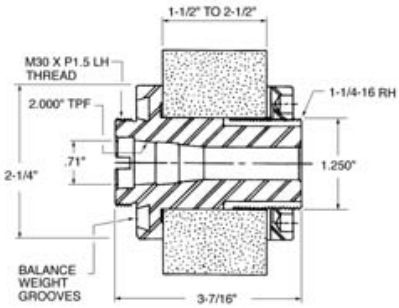
00690
(Taper Side)

Jungner 450 CNC tool and cutter grinder adapter is furnished with a three piece steel balancing weight set 00848.

SOPKO CATALOG NO.

50130





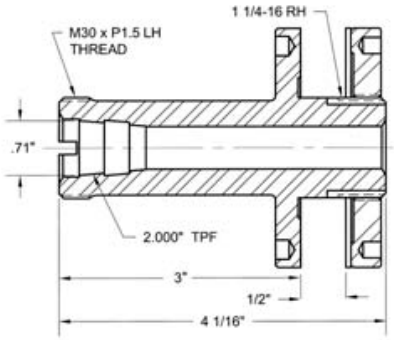
50130

Jungner 450 CNC tool and cutter grinder extended adapter.

SOPKO CATALOG NO.

50353





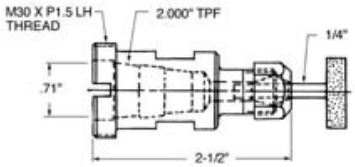
50353

Jungner 450 CNC tool and cutter grinder collet chuck arbor.
Furnished with 4000 series nut and 1/4” collet.*
A 13/16” wrench flat on the body makes installation and removal easy.

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SOPKO CATALOG NO.
29911





* See page 97 for addtional 4000 series collets.

29911

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Flute Grinders Manufactured by Hertlein Special Tool Co., Mt. Vernon, NY.

3.000" TPF WITH 1.63" DIAMETER AT LARGE END OF TAPER.
FOR 12.000" ID WHEELS.

Starting with a precision ground internal taper, this Sopko bolt-on flange balancing adapter offers today's Hertlein CO-100 grinding professional the best in quality features. Two precisely ground flanges provide identical load-bearing surfaces for reliable grinding wheel lock and to maximize spindle driving torque. Made from pre-hardened alloy steel and finished with black oxide, the adapter is furnished with a bronze balancing weight set 00849.



(Front Side)

50182

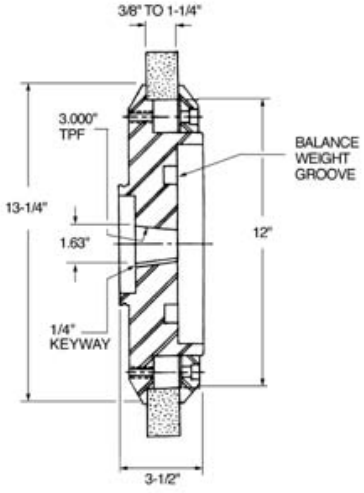


(Taper Side)

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01809



OPTIONAL SOCKET HEAD CAP SCREW SETS. *

WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
3/8 to 3/4	01809	3/8-16X1-3/4	8
1 to 1-1/4	01810	3/8-16X2-1/4	8

* Select proper length screw sets from tabulation to lock specific grinding wheel widths.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

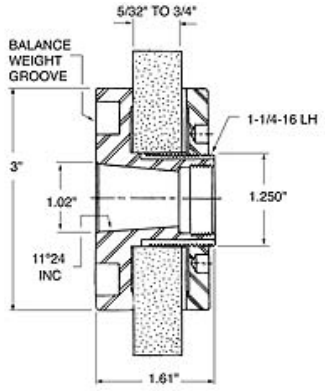
CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Kent and Norton Grinders.

11° 24' INC ANGLE TAPER AND 3.500" TPF WITH 1.02" AND 1.50" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 3.000" ID WHEELS.

The 05255 KENT BALANCING ADAPTER is furnished complete with a three piece bronze weight set 00835. Note*, some Kent grinders feature a 3.000" TPF with 1.00" diameter at the large end of taper.





SOPKO CATALOG NO.

05255

05255

*See standard taper (3.000" TPF) adapters on page 4 to 30.

The 00824 (WSG824) BALANCING ADAPTER FOR THE NORTON S-3 GRINDER will also fit the Worcester Surface Grinder and the Warner and Swasey 8x24 grinder. The adapter is furnished complete with a three

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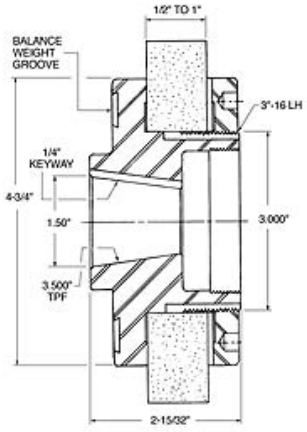
piece steel balancing weight set 00836.



(Front Side)



00824 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.
00824	WSG824

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Jones & Shipman Grinders.

15° INC ANGLE TAPER AND 3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

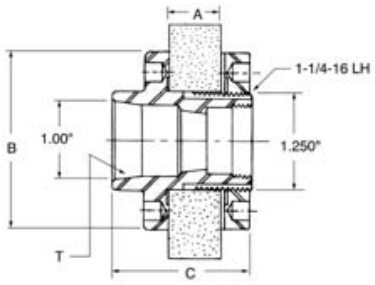
Jones & Shipman 540 and 1400 series surface grinder adapters feature a 15° INC** high quality PRECISION GROUND TAPER for exceptional spindle engagement. Added value is achieved with CONCENTRICALLY GROUND AND SQUARE SURFACES along with THREAD GROUND OD threads to optimize cutting conditions and prolong wheel life. All adapter hubs are CARBURIZED AND HARDENED for durability.



05314

SOPKO CATALOG NO.	DIMENSIONS A	B	C	T
50136	1/4 to 3/4	2-1/4	1-7/8	15° INC **
50137	1/4 to 1/2	2-1/4	1-3/4	15° INC **
50111	1/2	3	1-3/4	15° INC **
05314	1/4 to 1/2	2-1/4	1-3/4	3.000 *

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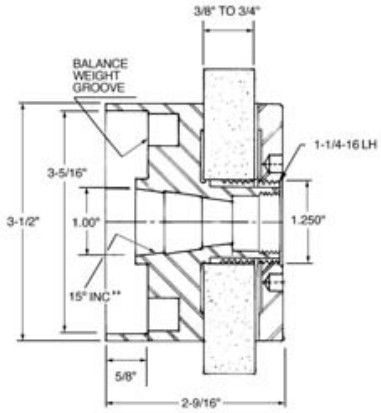


* Any 3.000" TPF, 1.00" LE adapter can be altered to taper length of 1-3/16".
** Europe and Canada only.

Now you can protect the wheelhead spindle from the harsh realities of heat, swarf, and high pressure coolants with these quality Jones & Shipman 540 and 1400 series shrouded adapters. From taper to finish Sopko has designed these shrouded adapters for performance with standard features like:

- High Quality Internal Tapers.
- Thread Ground OD threads.
- Heat Treated Component Parts.
- Concentric and Square Ground Surfaces.
- Black Oxide finish.





SOPKO CATALOG NO.	
00647†	**00647**
00907	

** Europe and Canada only.
† Includes three piece bronze balancing weight set 00861.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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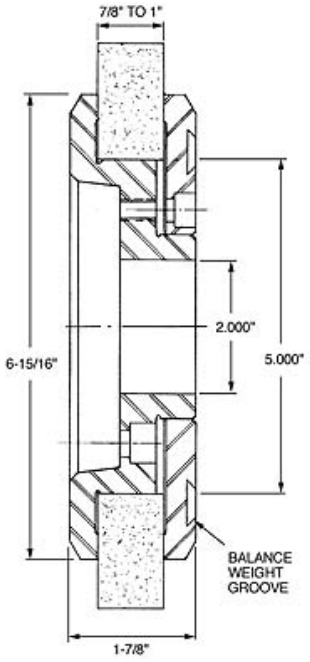
Wheel Adapters for Jones & Shipman Grinders.

FOR 13° 43’ 08” INC ANGLE TAPER* AND 2" STRAIGHT BORE WITH 1.605" DIAMETER AT LARGE END OF TAPER. FOR 5.000" ID WHEELS.

A tradition of quality manufacturing makes this Jones and Shipman series 1076 straight bore bolt-on flange balancing adapter an outstanding value. Two precison ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, the adapter is furnished with a three piece steel balancing weight set 00859, three 5/16-18RH x 1/2" SHCS 05941 flange bolts.

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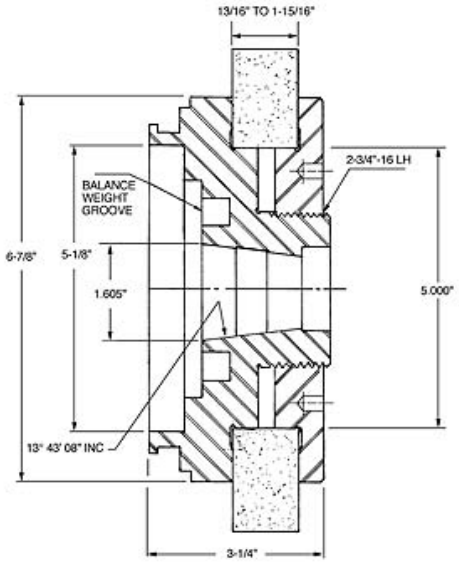
SOPKO CATALOG NO.

01195

01195
(Front Side)

This premium quality Jones & Shipman series 1310 universal cylindrical grinder balancing adapter features the highest quality 13° 43' 08" INC angle internal taper for precise spindle mounting and pre-heat treated hubs and nuts for strength and long life. Precision ground surfaces and thread ground threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes. Adapter furnished with three piece bronze balancing weight set 00861.





SOPKO CATALOG NO.

01836

01836
(Taper Side)

*Europe and Canada only.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Wheel Adapters for Okamoto DX Series Grinders.

3.000" TPF AND 1:5 TAPER RATIO WITH 1.00" AND 1.75" DIAMETER AT LARGE END OF TAPER. FOR 1.250" AND 5.000" ID WHEELS.

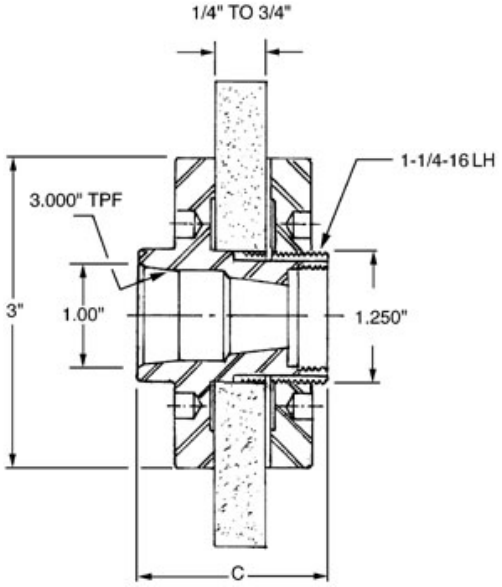
Standard adapter for 6.18DX and 8.20DX saddle type surface grinders.

SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS C
00129	A521	1-15/16
02681*	-	2-3/64

* Balancing style adapter includes weight set 00862.



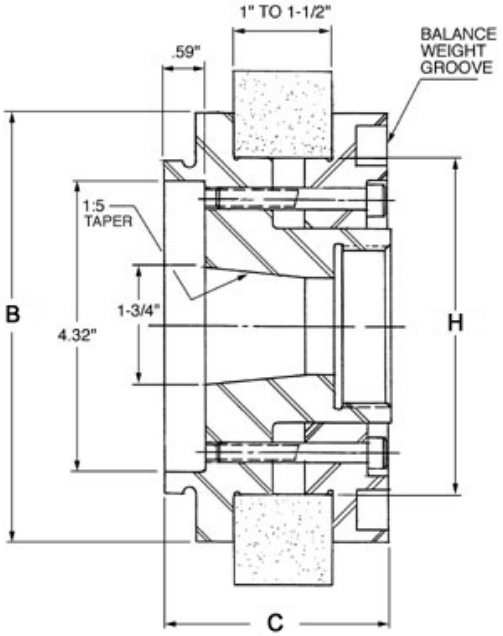
00129



Bolt-on flange balancing adapter for 12.24DX, 16.24DX, 16.32DX, 20.24DX, 20.36DX and 20.40DX saddle type surface grinders.



00636



SOPKO CATALOG NO.	OKAMOTO PART NO.	DIMENSIONS B	C	H
00908†	A621-3	5	3-1/4	3.000
00636**	A621-5	6-3/8	3-3/8	5.000

† Includes balancing weight set 00831 and 6 piece SHCS set 00614.
** Includes balancing weight set 00864 and 6 piece SHCS set 00614.



OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
00636	27MM to 38MM (1" to 1.50")	01834	5/16-18 X 2-1/4	6
00908	1"	00614	5/16-18 X 1-1/4	6
	1-1/2"	00615	5/16-18 X 1-1/2	6

** Includes balancing weight set 00864.

Select proper length screw sets from tabulation to lock specific grinding wheel widths.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Pope Style Wheel Adapters.*

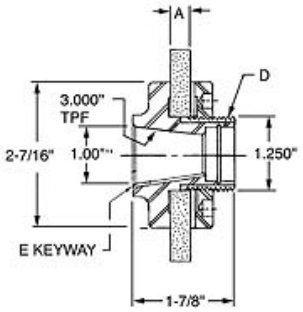
3.000” TPF and 4.500” TPF WITH 1.00" AND .87" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Balancing, non-balancing, and shrouded type adapters are available for Pope Precision spindles. Made from 32 Rc alloy steel, these Pope style adapters feature concentric and square ground surfaces for optimum surface finishes. Thread ground OD threads assure safe, square wheel locking conditions and precisely ground internal tapers offer reliable spindle engagement.

SOPKO CATALOG NO.	POPE PART NO.	DIMENSIONS		
		A	D	E
00534	WS-100-1	1/4 to 3/4	1-1/4-16LH	-
00535	WS-100-2	1/4 to 3/4	1-1/4-16RH	-
00536	-	1/4 to 3/4	1-1/4-16LH	3/16
00537	-	1/4 to 3/4	1-1/4-16RH	3/16



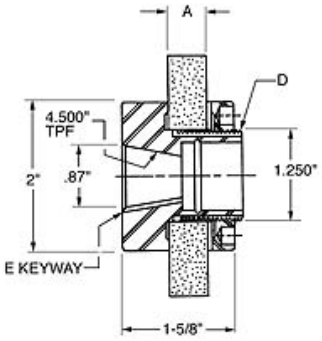
00534



SOPKO CATALOG NO.	DIMENSIONS		
	A	D	E
00529	1/8 to 5/8	1-1/4-16LH	3/16
00530	1/8 to 5/8	1-1/4-16RH	3/16
00531	1/4 to 5/8	1-1/4-16RH	1/8
00532	1/8 to 5/8	1-1/4-16LH	-
00533	1/8 to 5/8	1-1/4-16RH	-



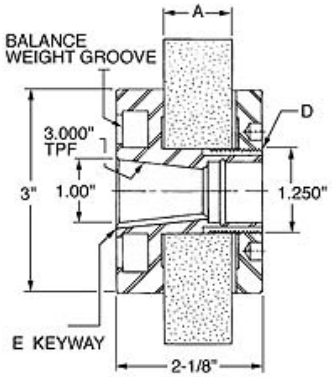
00529



SOPKO CATALOG NO.	POPE PART NO.	DIMENSIONS		
		A	D	E
00542	WS-330-1	1/4 to 1	1-1/4-16LH	-
00543	WS-330-2	3/4 to 1	1-1/4-16RH	-
00544	-	3/4 to 1	1-1/4-16LH	3/16
00545	-	3/4 to 1	1-1/4-16RH	3/16
00827	Set of three hex weights for 00542, 00543, 00544, and 00545 balancing adapters.			



00542



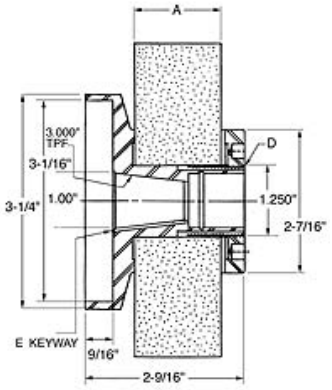
SOPKO CATALOG NO.	DIMENSIONS		
	A	D	E

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00546	5/8 to 1-1/4	1-1/4-16RH	1/8
00538	5/8 to 1-1/4	1-1/4-16LH	3/16
00539	5/8 to 1-1/4	1-1/4-16RH	3/16
00540	5/8 to 1-1/4	1-1/4-16LH	-
00541	5/8 to 1-1/4	1-1/4-16RH	-

* Lock ring 04278 is not included with any adapter listed on this page.





00538

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.25” AND 1.50" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000”, AND 5.000” ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01312
(Front Side)



01316
(Taper Side)

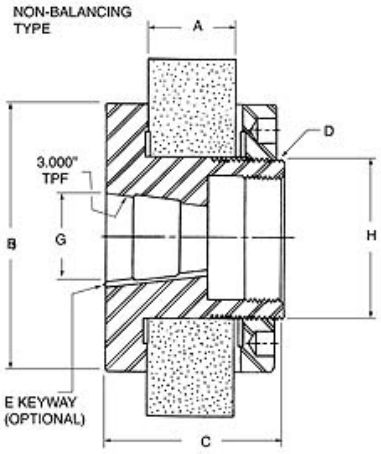


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
01312	1	5/8 to 1	3-1/2	2	2-18RH	1/4	1.25	2.000
01313	2	1/2 to 1	4-1/4	2-5/8	2-16RH	1/4	1.25	2.000
01316	2	1/2 to 1	4-1/4	2-3/4	3-16RH	1/4	1.25	3.000
01317	2	1/2 to 1	4-1/4	2-3/4	3-16LH	1/4	1.25	3.000
01318	2	3/4 to 2	5	3-3/8	3-16LH	-	1.50	3.000
01319	2	3/4 to 2	5	3-3/8	3-16RH	-	1.50	3.000
01320	2	1	6	3-3/8	4-16LH	-	1.50	4.000
01321	2	1	6	3-3/8	4-16RH	-	1.50	4.000
01322	2	3/4 to 2	7	3-3/8	5-16LH	-	1.50	5.000
01323	2	3/4 to 2	7	3-3/8	5-16RH	-	1.50	5.000

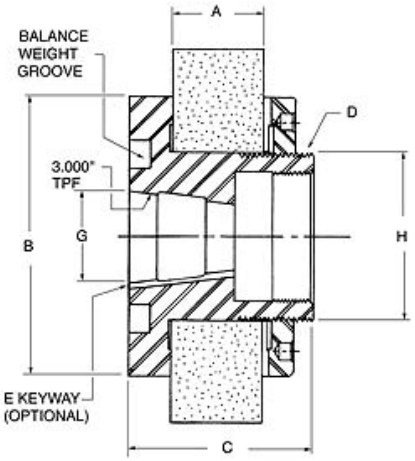


FIG. 2

00838	Three piece bronze balancing weight set for 01318, 01319, 01320, 01321, 01322, 01323
00830	Three piece bronze balancing weight set for 01312, 01316, 01317.

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00832 Three piece bronze balancing weight set for 01313.



00830

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Large Taper Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 2.000", 3.000", 4.000", AND 5.000" ID WHEELS.

These high performance, premium quality, balancing and non-balancing adapters are in a class by themselves. They feature the highest quality internal taper for precision spindle mounting, and pre-heat treated hubs and nuts for maximum strength, reliability, and long life. Precision ground surfaces and thread ground external threads provide unsurpassed wheel mounting parallelism for workpiece low-micro finishes.



01337

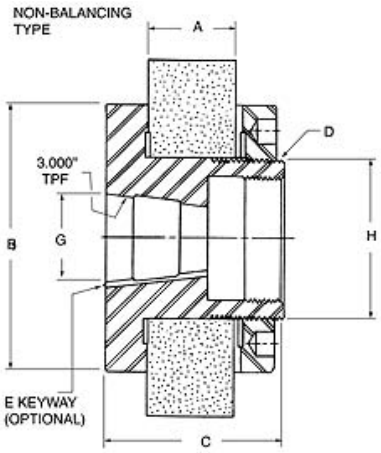


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS						
		A	B	C	D	E	G	H
50328	2	1 to 1-1/2	5	3-1/4	3-16LH	1/4	1.62	3.000
01330	2	1-1/4 to 2	5	3-9/16	3-16LH	1/4	1.62	3.000
01324	2	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01325	1	1-1/4 to 2	5	3-9/16	2-16LH	1/4	1.62	2.000
01326	1	1-1/4 to 2	5	3-3/8	3-16RH	1/4	1.62	3.000
01327	2	3/4 to 2	5	3-3/8	3-16LH	-	1.62	3.000
01328	2	3/4 to 2	5	3-3/8	3-16RH	-	1.62	3.000
01329	1	1-1/4 to 2	5	3-9/16	3-16RH	1/4	1.62	3.000
01332 *	2	1-1/4 to 2	7	3-9/16	3-16LH	1/4	1.62	3.000
01331 *	2	1-1/4 to 2	7	3-9/16	3-16RH	1/4	1.62	3.000
01333	2	3/4 to 2	6	3-3/8	4-16LH	-	1.62	4.000
01334	2	3/4 to 2	6	3-3/8	4-16RH	-	1.62	4.000
01335	2	3/4 to 2	7	3-3/8	5-16LH	-	1.62	5.000
01336	2	3/4 to 2	7	3-3/8	5-16RH	-	1.62	5.000
01337	2	1 to 2-1/2	5	4-1/4	3-16RH	1/4	2.25	3.000
01338	2	1 to 2-1/2	5	4-1/4	3-16LH	1/4	2.25	3.000
01339 *	2	1 to 2-1/2	7	4-1/4	3-16RH	1/4	2.25	3.000

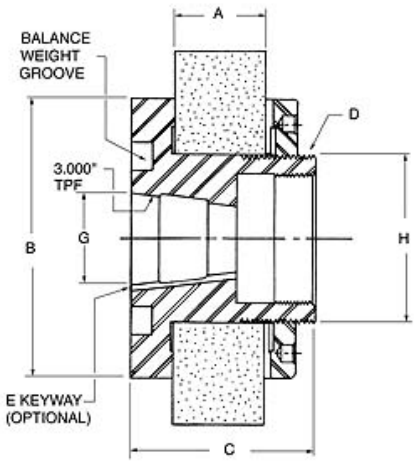


FIG. 2

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01340 *	2	1 to 2-1/2	7	4-1/4	3-16LH	1/4	2.25	3.000

00831	Three piece bronze balancing weight set for 01324, 01330, 01331, 01332, 01337, 01338, 01339, 01340.
00834	Three piece bronze balancing weight set for 01326.



00831

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* 5" diameter nut.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000” TPF WITH 1.62” AND 2.25” DIAMETER AT LARGE END OF TAPER.
FOR 5.000” AND 8.000” ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use.



01342

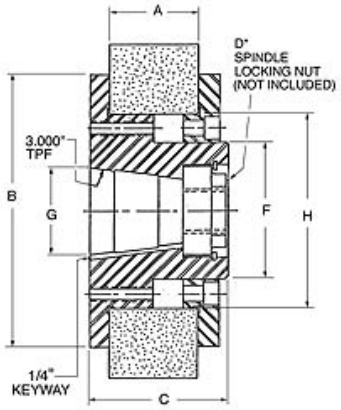


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS							SNAP RING
		A	B	C	D*	F	G	H	
01341	1	3/4 to 1-1/2	7	2-9/16	3/4-16	3-1/2	1.62	5.000	04248
01357	1	1 to 2-1/2	7	3-9/16	1-1/8-12	3-1/2	2.25	5.000	04358
01342	2	3/4 to 1-3/4	7	2-13/16	3/4-16	3-5/8	1.62	5.000	01830
01343	2	1 to 2-1/2	7	3-9/16	1-1/8-12	3-5/8	2.25	5.000	01830
01344	2	1-3/4 to 3	10	4-1/16	1-1/8-12	4	2.25	8.000	01830

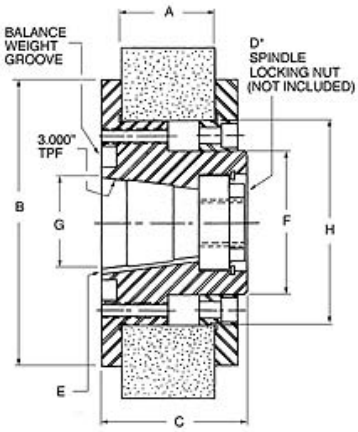


FIG. 2

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01341	3/4 to 1	01795	3/8-16X1-1/4	4
	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4

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	3/4 to 1	01795	3/8-16X1-1/4	4
01342	1-1/4 to 1-1/2	01796	3/8-16X1-3/4	4
	1-1/2 to 1-3/4	01797	3/8-16X2-1/4	4
	1 to 1-1/2	01798	3/8-16X1-1/2	4
01343	1-3/4 to 2	01797	3/8-16X2-1/4	4
01357	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	1-3/4 to 2	01797	3/8-16X2-1/4	4
01344	2-1/4 to 2-1/2	01799	3/8-16X2-3/4	4
	2-3/4 to 3	01800	3/8-16X3-1/4	4



01797

00828	Three piece bronze balancing weight set for 01342 and 01343.
00826	Three piece bronze balancing weight set for 01344.



00828

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.

3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 3.000" AND 5.000" ID WHEELS.



01353 (Front Side)



01351 (Taper Side)

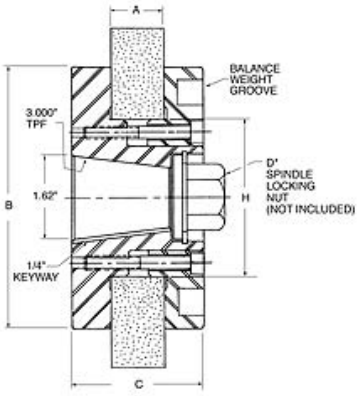


FIG. 1

SOPKO CATALOG NO.	FIG.	DIMENSIONS			
		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

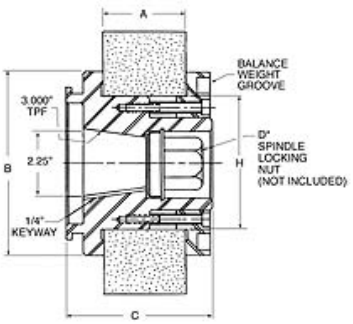


FIG. 2

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OPTIONAL SOCKET HEAD CAP SCREW SETS.

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.
00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

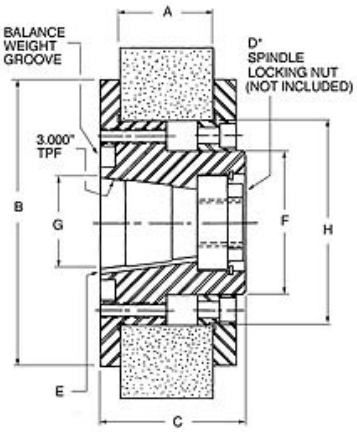
Large Taper Bolt-On Flange Wheel Adapters for Larger Grinders.

3.000" TPF WITH 2.62", 3.00" AND 3.75" DIAMETER AT LARGE END OF TAPER.
FOR 5.000", 8.000" AND 12.000" ID WHEELS.

The Sopko commitment to quality makes these bolt-on flange balancing adapters, for larger grinders, an outstanding value. Two precision ground surfaces provide incomparable rigidity, and identical load bearing surfaces for the positive wheel lock and spindle driving torque that optimum surface finishes require. Manufactured from pre-heat treated alloy steel, Sopko bolt-on flange balancing adapters are safe to use. And of course, the high quality internal taper is unsurpassed for precision spindle mounting.



01345



SOPKO CATALOG NO.	DIMENSIONS								SNAP RING
	A	B	C	D*	E	F	G	H	
01345	1-1/2 to 2-3/4	7	4-3/16	1-1/2-12	1/4	3-5/8	2.62	5.000	01830
01346	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	2.62	12.000	01830

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01347	1-3/4 to 3	7	4-11/16	1-1/2-12	1/4	3-5/8	3.00	5.000	01830
01348	1-3/4 to 3	10	4-5/16	1-1/2-12	1/4	5-1/2	3.00	8.000	01830
01349	1-3/4 to 3	14	4-5/16	1-1/2-12	1/4	5-1/2	3.00	12.000	01830
01350	2-1/4 to 4	10	5-1/2	2-1/4-12	3/8	5-1/2	3.75	8.000	04331



01801

OPTIONAL SOCKET HEAD CAP SCREW SETS

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01345	1-1/2 to 2	01801	3/8-16X2-1/2	4
	2-1/4 to 2-3/4	01800	3/8-16X3-1/4	4
01346	1-3/4 to 2-1/4	01811	3/8-16X3	6
01347	2-1/2 to 3	01802	3/8-16X3-1/2	4
01349	6			
01348	1-3/4 to 2-1/4	01803	1/2-13X3	6
	2-1/2 to 3	01804	1/2-13X3-1/2	6
	2-1/4 to 2-3/4	01805	1/2-13X2-1/2	6
01350	3 to 3-1/2	01806	1/2-13X3-1/4	6
	4	01807	1/2-13X4	6



00829

00829	Three piece bronze balancing weight set for 01346 and 01349.
00826	Three piece bronze balancing weight set for 01345, 01347, 01348, and 01350.

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* See page 80 for optional captive spindle locking nuts.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
Manufactured with snap ring groove. Snap ring not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Adapters for Heald Sleeve Style Internal Grinding Spindles.

2.000" TPF AND 3.000" TPF WITH .60", .93", 1.25", 1.63", 2.00", AND 2.25" DIAMETER AT LARGE END OF TAPER.
FOR 0.875", 1.250", 1.500", 2.500", 2.750", AND 3.000" ID WHEELS.



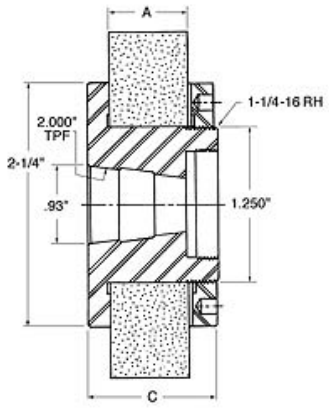
00653



00654

SOPKO CATALOG NO.	HEALD PART NO.	DIMENSIONS	WHEEL HEAD SERIES

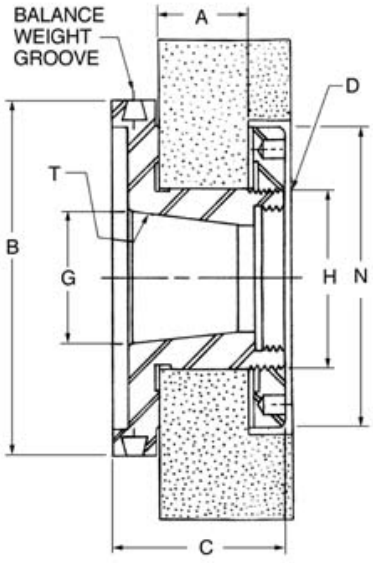
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		A	C	
00653	H405-500	1/2	1-11/16	405
00654	H405-1000	1	2-3/16	405



50065



SOPKO CATALOG NO.	HEALD PART NO.	DIMENSIONS							WHEEL HEAD T	WHEEL HEAD SERIES
		A	B	C	D	G	H	N		
00655	7-4946A	1-1/4	2	2-1/8	7/8-16RH	.60	0.875	1-5/8	2.000 TPF	403
00657	7-7757A	1	2-1/2	1-11/16	1-1/2-16RH	.93	1.500	2-1/2	2.000 TPF	405
00656	7-4927A	1	2-5/8	1-15/16	1-1/2-16RH	.93	1.500	2-5/8	2.000 TPF	405
00658	7-4908A	1-1/4	3-3/8	2-1/4	2-16RH	1.25	2.500	3-3/8	3.000 TPF	407
00659	7-4935A	1-1/4	3-7/8	2	2-1/8-16RH	1.63	2.500	3-7/8	3.000 TPF	409
00660	7-5025A	1	5-1/8	1-7/8	2-3/4-16RH	2.00	2.750	5-1/8	3.000 TPF	411
50065 *	7-5022A	1-1/2	6	2-3/4	3-16RH	2.25	3.000	4-7/8	3.000 TPF	413

00841	Three piece steel weight set for 00655.	00845	Three piece steel weight set for 00659.
00842	Three piece steel weight set for 00656.	00846	Three piece steel weight set for 00660.
00843	Three piece steel weight set for 00657.	00847	Three piece steel weight set for 50065.
00844	Three piece steel weight set for 00658.		



00847

All balancing style adapters include the three piece steel balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
*See page 82 for adapter puller.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

How did we create the Sopko legacy? Attention to detail and an unremitting commitment to quality that generations of grinding professionals have come to know as the unmatched standard of the industry. Today, customers are still asking for value, performance, and precision.
It's been nearly 50 years; we're still listening.

- HIGH QUALITY INTERNAL TAPERS for precision mounting.
- THREAD GROUND OD THREADS for maximum concentricity and squareness.
- HEAT TREATED COMPONENT PARTS for strength and reliability.
- CONCENTRIC and SQUARE GROUND SURFACES for better workpiece finishes.
- BLACK OXIDE FINISH to protect your investment.



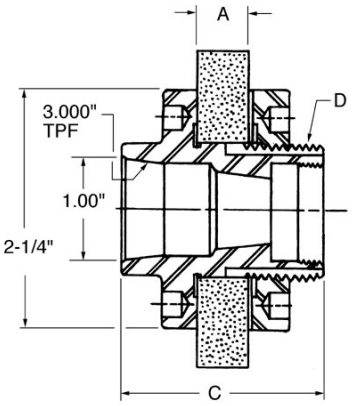


FIG. 1

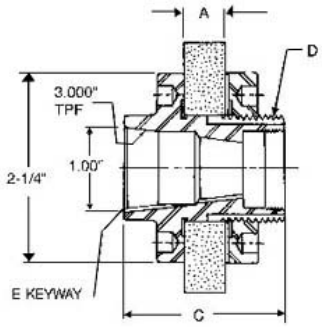


FIG. 2

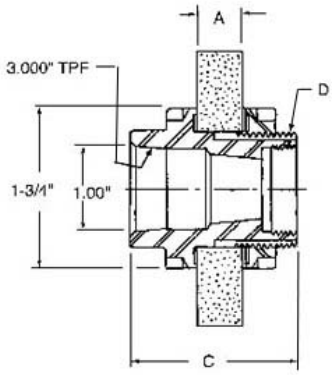


FIG. 3

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	E
00100	1	100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00102	1	100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00105	1	100-1C	3/4	1-7/8	1-1/4-16LH	-
00101*	2	AN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	3/16
50183*	2	AN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	3/16
00112	2	KW100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	1/8
00200	1	200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00202	1	200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00208	1	K200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00216	1	K200-2	1/8 to 1/2	1-3/4	1-1/4-16RH	-
00217	1	200-1C	1/2	1-3/4	1-1/4-16LH	-
00201*	2	AN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00225*	2	AN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00226	2	KW200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	1/8
00227	2	KW200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	1/8
00300	1	300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00303*	2	AN-300-1	3/4 to 1	2-1/4	1-1/4-16LH	3/16
00308*	2	AN-300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00302	1	300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00301	1	300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00304	1	300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00305	1	300-1C	1	2-1/4	1-1/4-16LH	-
00306	1	300-2C	1	2-1/4	1-1/4-16RH	-
00307	1	R300-2B	1/2 to 1-1/2	2-11/16	1-1/4-16RH	-
50319	2	KW300-1	3/4 to 1	2-1/4	1-1/4-16LH	1/8
00686	2	KW300-2	3/4 to 1	2-1/4	1-1/4-16RH	1/8
00207	3	X200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00245	3	X200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

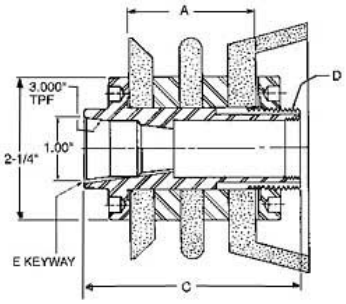
CAUTION!
Always Wear Safety Goggles When Griding.

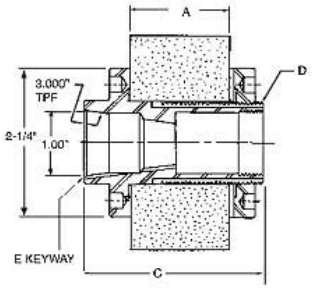
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko is more than quality products; it's quality service too. You can be sure of quick personalized service every time you call. We know you don't have a lot of time to waste listening to phone recordings. You'll be talking to real people with answers to your grinding accessory needs.

- SAME DAY shipment of standard product.
- FRIENDLY and KNOWLEDGEABLE people with INFORMATION you need.
- The LARGEST STOCK of precision grinding accessories in America.
- The source for SPECIAL GRINDING ACCESSORIES made to your specifications.







SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	E
00400	400-1A	2	3-3/16	1-1/4-16LH	-
00402	400-2A	2	3-3/16	1-1/4-16RH	-
00401	400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00403	400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00406	400-1C	1-3/4 to 2	3-3/16	1-1/4-16LH	-
00415	400-2C	1-3/4 to 2	3-3/16	1-1/4-16RH	-
00327*	AN400-1B	1 to 2	3-3/16	1-1/4-16LH	3/16
00413	-	2-1/2 to 2-3/4	3-13/16	1-1/4-16LH	-
00414	-	2-1/2 to 2-5/8	3-3/4	1-1/4-16LH	-
00500	500-1A	3	4-3/16	1-1/4-16LH	-
00502	500-2A	3	4-3/16	1-1/4-16RH	-
00501	500-1B	2 to 3	4-3/16	1-1/4-16LH	-
00503	500-2B	2 to 3	4-3/16	1-1/4-16RH	-
00506	500-1C	1-1/2 to 3	4-3/16	1-1/4-16LH	-
00600	600-1A	4	5-3/16	1-1/4-16LH	-
00602	600-2A	4	5-3/16	1-1/4-16RH	-
00601	600-1B	3 to 4	5-3/16	1-1/4-16LH	-
00604	600-2B	3 to 4	5-3/16	1-1/4-16RH	-
00605	600-1C	3-5/8 to 4	5-3/16	1-1/4-16LH	-
00701	700-1B	4-1/2	5-11/16	1-1/4-16LH	-
00702	700-1C	5	6-3/16	1-1/4-16LH	-
00800	800-1A	6	7-3/16	1-1/4-16LH	-
00801	800-1B	5 to 6	7-3/16	1-1/4-16LH	-
00900	900-1A	7	8-3/16	1-1/4-16LH	-
00999	1000-1A	8	9-3/16	1-1/4-16LH	-

*Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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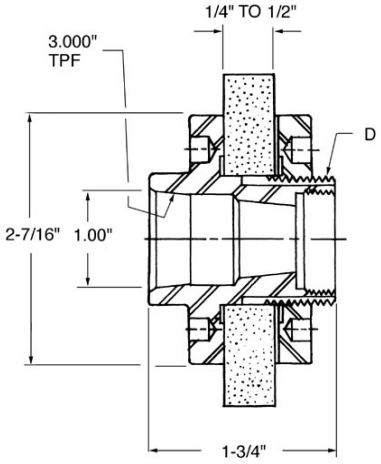
Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

00220 (220-1) is the standard replacement adapter for Bridgeport-Harig and Parker PM Majestic grinding machines using 7" diameter wheels.



00220

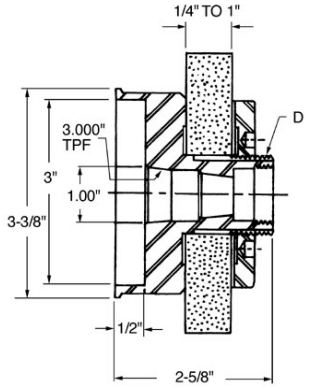


SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00220	220-1	1-1/4-16LH
00221	220-2	1-1/4-16RH

Providing optimum protection against contamination to the wheelhead spindle nose, these high-quality SHROUDED ADAPTERS are designed for performance. Sopko assures this standard with quality features like PRECISION GROUND TAPERS and CONCENTRICALLY GROUND AND SQUARE surfaces to maximize cutting conditions and prolong wheel life. Hub OD threads are THREAD GROUND to assure safe, square wheel locking conditions and you can expect years of performance from these adapters because Sopko HEAT TREATS every one.



(Front Side) 00180 (Taper Side)



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS D
00180	2BY-LH	1-1/4-16LH
00181	2BY-RH	1-1/4-16RH

See page 60 for Pope style shrouded adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250", 1.500", AND 2.000" ID WHEELS.

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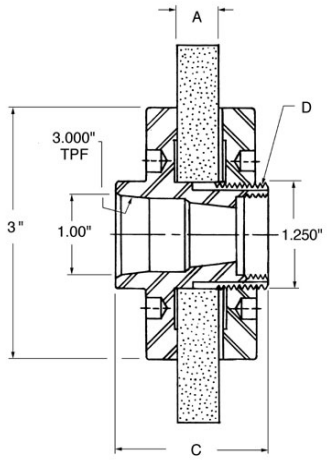


00130



00430

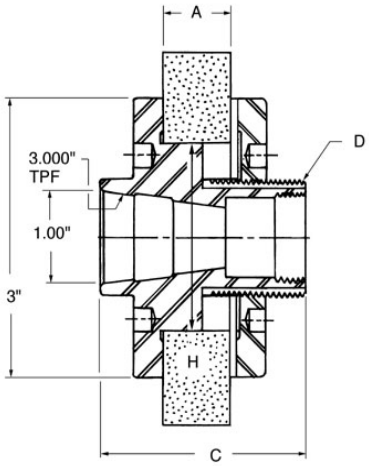
SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D
00130	130-1	3/4	1-15/16	1-1/4-16LH
00132	130-2	3/4	1-15/16	1-1/4-16RH
00230	230-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00232	230-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00330	330-1	3/4 to 1	2-1/4	1-1/4-16LH
00332	330-2	3/4 to 1	2-1/4	1-1/4-16RH
00331	330-1S	3/8 to 1	2-1/4	1-1/4-16LH
00386	330-2S	3/8 to 1	2-1/4	1-1/4-16RH
00430	430-1A	2	3-1/4	1-1/4-16LH
00432	430-2A	2	3-1/4	1-1/4-16RH
00431	430-1B	1 to 2	3-1/4	1-1/4-16LH
00433	430-2B	1 to 2	3-1/4	1-1/4-16RH
00434	430-1D	2-1/4 to 2-1/2	3-3/4	1-1/4-16LH
00435	430-1E	1-1/2 to 2	3-1/4	1-1/4-16LH





00334

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	H
00333	330-1-1.500	1/2 to 1	2-1/4	1-1/4-16LH	1.500
00334	330-1-2.000	1/2 to 1	2-1/4	1-1/4-16LH	2.000



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Play it safe with larger diameter wheels by using Sopko 3-1/2" OD wheel adapters. Manufactured with the same attention to detail, these Sopko adapters feature a high quality internal ground taper, thread ground OD threads, concentric and square ground surfaces, heat treated hub and nut with black oxide finish. Only Sopko offers all these valuable features.

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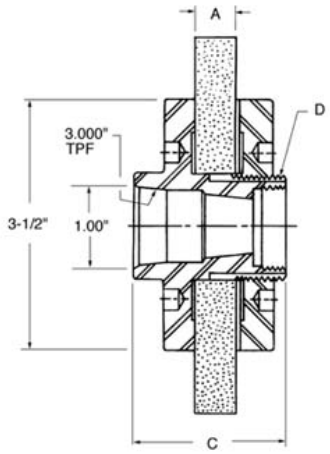


00235



00337

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		A	C	D
00135	135-1	3/4	1-15/16	1-1/4-16LH
00235	235-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00236	235-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00335	335-1	3/4 to 1	2-1/4	1-1/4-16LH
00336	335-2	3/4 to 1	2-1/4	1-1/4-16RH
00337	335-1B	1-1/2	2-3/4	1-1/4-16LH
00618	335-2A	1/2 to 1	2-1/4	1-1/4-16RH



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

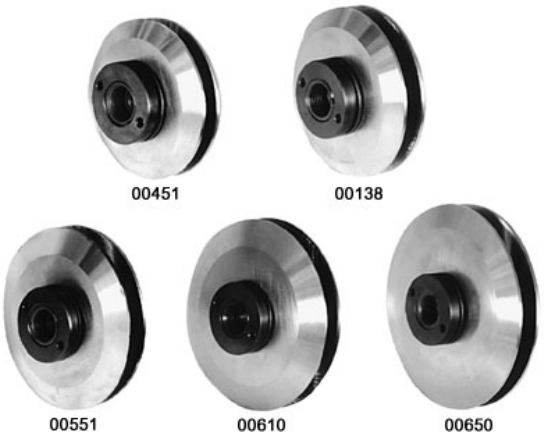
William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

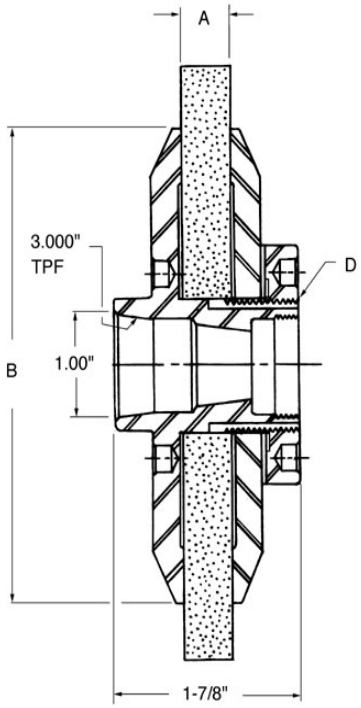
Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS. DESIGNED FOR THIN CUT-OFF WHEELS AND DIAMOND WHEELS.

Sopko flanged adapters are machined from alloy steel. The resulting one piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design, and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00451	4.5-1	0 to 1/2	4-1/2	1-1/4-16LH
00452	4.5-2	0 to 1/2	4-1/2	1-1/4-16RH
00138	5.0-1	0 to 1/2	5	1-1/4-16LH
00139	5.0-2	0 to 1/2	5	1-1/4-16RH
00551	5.5-1	0 to 1/2	5-1/2	1-1/4-16LH
00552	5.5-2	0 to 1/2	5-1/2	1-1/4-16RH
00610	6.0-1	0 to 1/2	6	1-1/4-16LH
00612	6.0-2	0 to 1/2	6	1-1/4-16RH
00650	6.5-1	0 to 1/2	6-1/2	1-1/4-16LH
00652	6.5-2	0 to 1/2	6-1/2	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

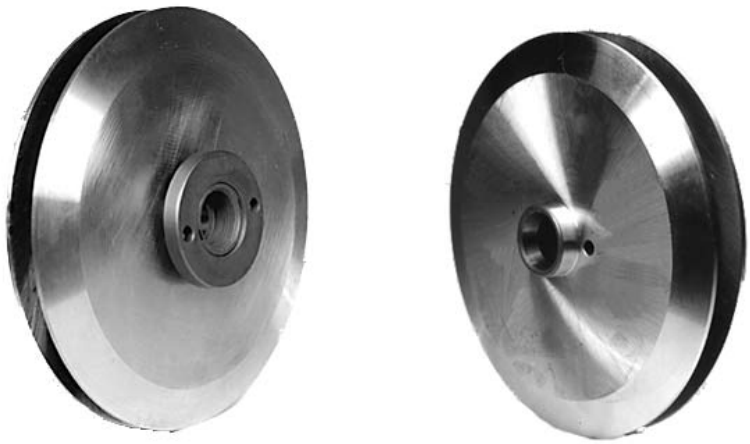
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

All the quality features you expect from Sopko are built into these larger diameter flanged wheel adapters too...

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.



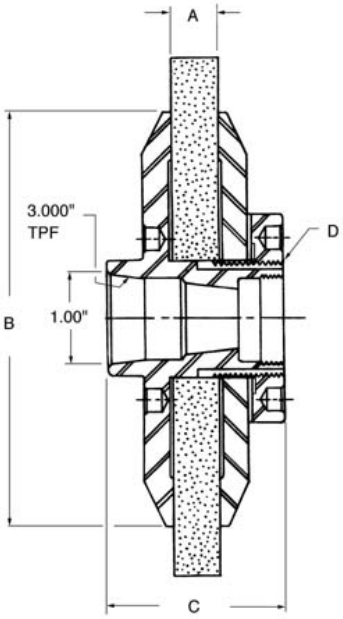
00710

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(Front Side) (Taper Side)

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00710 00712	7.0-1 7.0-2	0 to 1/2 0 to 1/2	7 7	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00750 00752	7.5-1 7.5-2	0 to 1/2 0 to 1/2	7-1/2 7-1/2	1-7/8 1-7/8	1-1/4-16LH 1-1/4-16RH
00810 00812	8.0-1 8.0-2	0 to 1/2 0 to 1/2	8 8	2 2	1-1/4-16LH 1-1/4-16RH

See page 74 for available flanges.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.* FOR 2.000" AND 3.000" ID WHEELS.

Now you can extend the useful working life of 2.000" and 3.000" ID grinding wheels. There is no need to waste money by throwing worn wheels away. Extend wheel life, use Sopko 4-1/2" flanged diameter wheel adapters! Machined from forged alloy steel, the one-piece hub design distributes mounting pressure away from the bore, the weakest part of the grinding wheel. The inherent rigidity of one piece design and the precision ground flanges provide identical radial load bearing surfaces for positive wheel lock and better spindle driving torque to the abrasive wheel. All surfaces are ground concentric and square for optimum surface finishes. Completely heat treated, Sopko flanged adapters are safe to use and maintain their rigidity.

All the quality features you expect from Sopko are built into these flanged wheel adapters for 2.000" ID and 3.000" ID grinding wheels.

- ONE PIECE HUB design for rigidity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- Completely HEAT TREATED for strength and years of use.
- Precision GROUND FLANGE SURFACES for reliable wheel lock.
- Concentric and square GROUND SURFACES for better surface finishes.
- All external threads are THREAD GROUND for concentricity and squareness.
- Not for larger surface grinders (taper is 1.00" at LE).

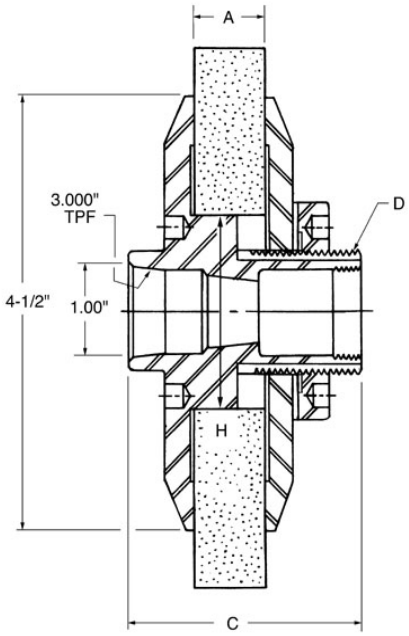
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00453



00455



SOPKO PART NO.	SOPKO CATALOG NO.	DIMENSIONS A	C	D	H
00453	4.5-1-2	3/8 to 3/4	2-1/8	1-1/4-16LH	2.00
00454	4.5-2-2	3/8 to 3/4	2-1/8	1-1/4-16RH	2.00
00455	4.5-1-3	3/8 to 1	2-3/8	1-1/4-16LH	3.00
00456	4.5-2-3	3/8 to 1	2-3/8	1-1/4-16RH	3.00

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Balancing Wheel Adapters for Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

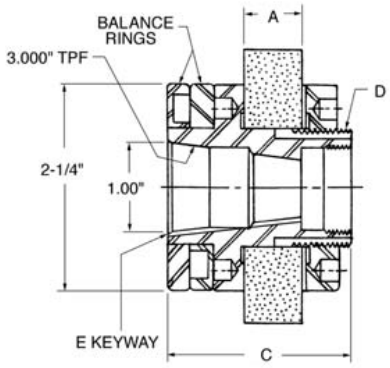
Sopko balancing rings have milled pockets with 180° arc-length. One end of the arc is permanently stamped with a reference line and arrow to designate direction of rotation. Unlike some balancing rings, Sopko “sandwiches” the milled pockets together inside the mated faces. Grinding grit can’t build up! Rings are lapped flat and ground for a precision fit. A nylon-tipped set screw secures each ring to the adapter hub. All balancing adapters furnished with a 3/32" hex wrench 00938.



00565



00106



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	C	D	E
00106	B100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00107	B100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00260	B200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00262	B200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00310	B300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00311	B300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00313	B300-1C	1	2-1/4	1-1/4-16LH	-
00312	B300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
50331**	ANB300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00338	B300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00404	B400-1A	2	3-3/16	1-1/4-16LH	-
00405	B400-2A	2	3-3/16	1-1/4-16RH	-
00410	B400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00412	B400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00504	B500-1A	3	4-3/16	1-1/4-16LH	-
00565	B500-1B	2 to 3	4-3/16	1-1/4-16LH	-

Use Sopko Balancing Adapters to:

- Increase productivity.
- Reduce downtime and maintenance.

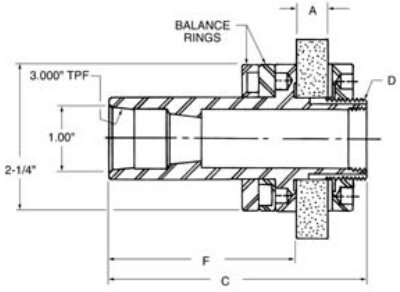
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00505	B500-2A	3	4-3/16	1-1/4-16RH	-
50305	B600-1B	3 to 4	5-3/16	1-1/4-16LH	-
50393	B1000-1A	8	9-3/16	1-1/4-16LH	-

- Produce low micro-finishes.
- Reduce wheel wear and truing frequency.
- Reduce costly spindle failures.

**Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.





00228

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	F
00228	B200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00229	B200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00244	B200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00219	B200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16

*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

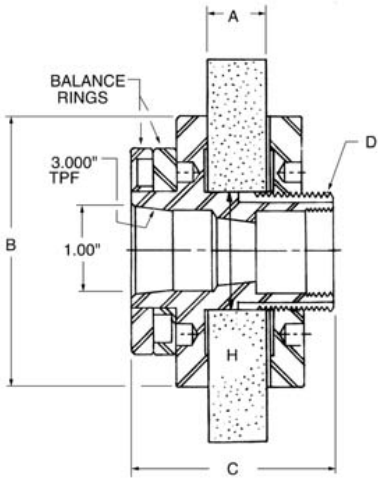
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.





00460

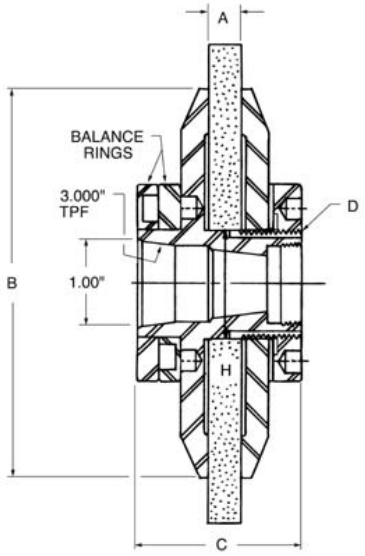
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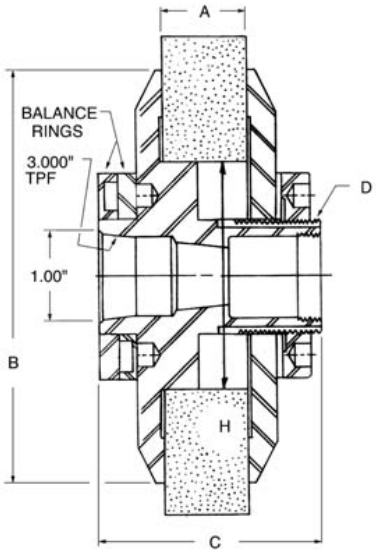
00248
(Front Side)



00251
(Taper Side)



SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000



*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Long Extended Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR 1.250" ID WHEELS.

Sopko LONG EXTENDED ADAPTERS are designed to provide added clearance by locating the grinding wheel further from the spindle nose. These adapters are ideal for surface grinder applications where the operator must reach across a boss or other obstruction in order to grind. The adapters have also found wide application on cutter grinders and tap grinders.

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00203

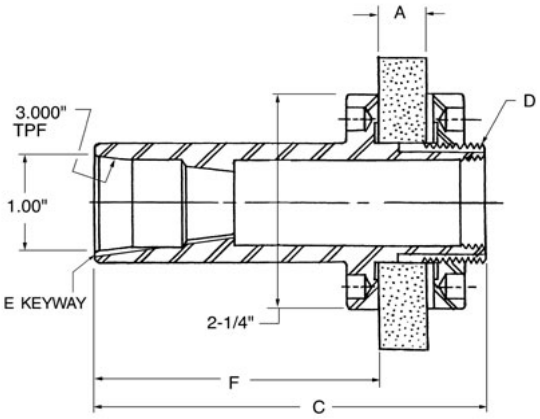


FIG. 1



00252

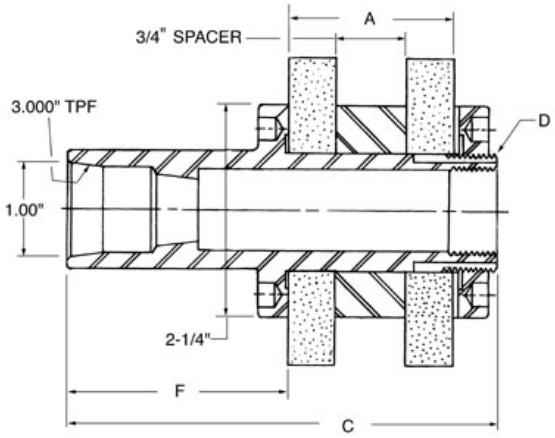


FIG. 2

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	C	D	E	F
00901	1	200-1LH-1/4	1/4 to 5/8	2	1-1/4-16LH	-	15/16
00203	1	200-1LH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	-	2-5/16
00204	1	200-2RH-1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	-	2-5/16
50315	1	200-1LH1-5/8KW	1/4 to 1/2	3-3/8	1-1/4-16LH	1/8	2-5/16
05256	1	200-1E-1-5/8	2-1/4	5-1/16	1-1/4-16LH	-	2-5/16
00252*	2	S200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00254	1	200-1D-1-5/8	1-3/4	4-1/2	1-1/4-16LH	-	2-5/16
00214	1	200-1LH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	-	3-7/16
00215	1	200-2RH-2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	-	3-7/16

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Cup Wheel Extended Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Sopko cup wheel adapters are made with a THIN WALL FRONT FLANGE design to give maximum usage of cup wheel depth. Fully HEAT TREATED and made from SOLID BAR STOCK, Sopko cup wheel extension adapters are RIGID to provide positive wheel lock. A hardened and ground nut locks the wheel from the back of the adapter. Because of this nut configuration, RH threads are used for CW spindle rotation and LH threads are used for CCW rotation; providing a safe locking system that WILL NOT LOOSEN UP during spindle rotation.

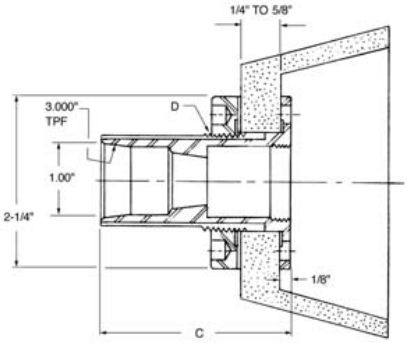




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	00263	00265	
SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		C	D
00263	200-1CW	2-1/2	1-1/4-16LH
00264	200-2CW	2-1/2	1-1/4-16RH
00265	-	3-1/2	1-1/4-16LH
00266	-	3-1/2	1-1/4-16RH

*Grinding wheel not included.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Short I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All SHORT IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 1-1/4" wrench flat on the body makes installation and removal easy.

CHECK THESE FEATURES!

- ALL DIAMETERS GROUND for concentricity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- ALL COMPONENT PARTS HEAT TREATED for strength and long life.
- THREAD GROUND EXTERNAL THREADS for maximum concentricity and squareness.
- SPECIALS can be made to your requirements. Please specify wheel OD, width, and ID.


00759


00765

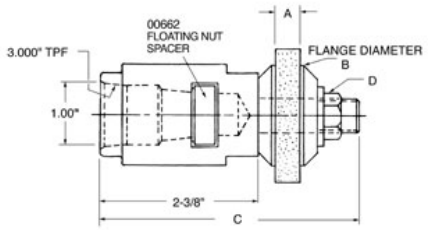

00769


00773


00775

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00759	200-3/8LH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16LH HEX
00760	200-3/8RH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16RH HEX
00761		1/2 to 3/4	2	3-7/8	3/8-16LH HEX
00762		1/2 to 3/4	2	3-7/8	3/8-16RH HEX
00763	200-1/2LH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13LH HEX
00764	200-1/2RH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13RH HEX
00765		3/8 to 5/8	2	3-7/8	1/2-13LH HEX
00766		3/8 to 5/8	2	3-7/8	1/2-13RH HEX
00769		1/2	2	3-7/8	5/8-18LH HEX
00770		1/2	2	3-7/8	5/8-18RH HEX
00773		1/2	2	4	3/4-16LH HEX
00774		1/2	2	4	3/4-16RH HEX
00775	200-1LH-S	1/2	2-1/2	4	1-20LH ROUND

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00776	200-1RH-S	1/2	2-1/2	4	1-20RH ROUND

Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16" wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

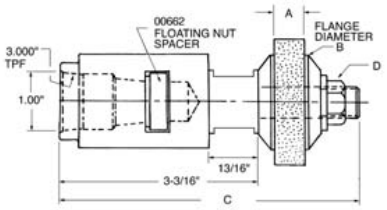


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16" wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

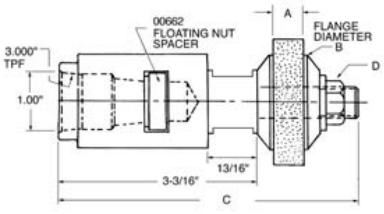


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Collet Chuck Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

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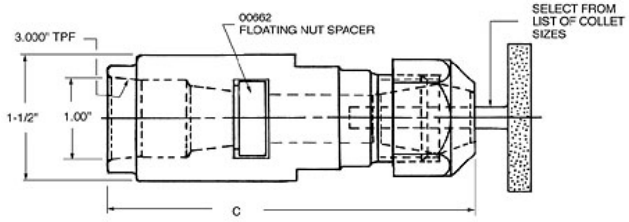
Widely used on surface grinders, the set includes a 1/4" 6000 series collet 59108, collet nut 59125, and floating nut spacer 00662 (FN-1). A 1-1/4" wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

THERE IS A DIFFERENCE WITH SOPKO!

- Collet Chuck Quills are ground all over for true CONCENTRICITY and BALANCE.
- Tapers are PRECISION GROUND at both ends of the collet chuck extension adapter.
- Made from AMERICAN SUPERIOR QUALITY alloy steel and heat treated for optimum performance.
- The hardened collet nut has a precision internal taper that seats PRECISELY against the collet nose angle to assure PROPER ENGAGEMENT of the grinding wheel shank.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS C
00246	200-CCEA-S	2-15/16
00249	200-CCEA-L	4-15/16



6000 SERIES COLLETS** RANGE 1/8" TO 1/2"	
SOPKO CATALOG NO.	**COLLET CAPACITY**
59100	1/8
59102	5/32
59104	3/16
59106	7/32
59108	1/4
59112	5/16
59116	3/8
59120	7/16
59124	1/2
59125	NUT

**Additional collet sizes are available on special order.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Male Extensions.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.

SHORT MALE EXTENSIONS provide increased utility because grinding wheels already mounted do not need to be dismounted. This feature is especially useful when grinding with diamond wheels. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut. A 1-1/8” wrench flat on the body makes installation and removal easy. The hex spindle nut must be selected separately to suit your machine.*

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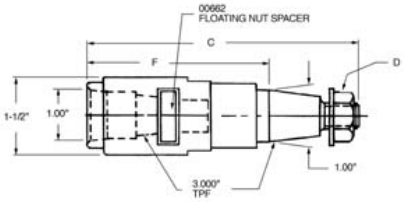


00237

LONG MALE EXTENSIONS are designed for even greater clearance possibilities with their added reach. Units come complete with floating nut spacer 00662 (FN-1) and 1/2-13 wheel end-nut.



00257



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS		
		C	D	F
00237	200-3-1/2LH	5-1/4	1/2-13LH	HEX 3-1/2
00238	200-3-1/2RH	5-1/4	1/2-13RH	HEX 3-1/2
00257	200-5LH	6-5/8	1/2-13LH	HEX 4-7/8
00258	200-5RH	6-5/8	1/2-13RH	HEX 4-7/8

* See page 76 for available hex spindle nut sizes.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Reversible Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. DESIGNED FOR 1.250" ID DIAMOND, CBN, AND VITRIFIED WHEELS.

THERE IS A DIFFERENCE WITH SOPKO REVERSIBLE ADAPTERS!

- Formed wheels are used either way without redressing.

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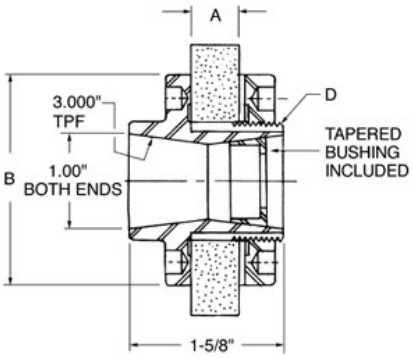
- Can be REVERSED without DISMOUNTING the wheel for prolonged square corner life of diamond wheels.
- Sopko reversible wheel adapters make it possible to use the same dressed angle for
  BOTH RIGHT AND LEFT GROUND TOOL BITS.
- EASY TO USE-Just remove the adapter from the spindle nose and REMOUNT in the reverse direction.
- SAFE TO USE-Sopko reversible wheel adapters are manufactured with a double-taper and are securely locked against loosening by the wheel rotation.
- Manufactured from quality steel to withstand the rigors of daily use, then HARDENED and GROUND.

For use on all spindles having a 3.000" TPF with 1.00" diameter at large end of taper. Including: Boyar-Schultz, Bridgeport, Brown & Sharpe, DoAll, Excello, Foote Burt-Hammond, Harig, Norton, Parker Majestic, Pope, Reid, Sanford, Setco, Taft Pierce, and Whitnon.



00222

A precision ground double-taper and removable bushing make wheel mounting in opposite directions safe and reliable. Grinding wheel edges wear during use, but obtaining a new sharp edge is as easy as reversing the adapter on the spindle. LH thread is standard.



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	D
00222	222RWA	1/4 to 1/2	2-1/4	1-1/4-16LH
00255	222RWA-R	1/4 to 1/2	2-1/4	1-1/4-16RH
00256	4.5-2RWA	0 to 1/2	4-1/2	1-1/4-16RH
00022	22-W	Replacement tapered bushing.		

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters For Metric Bore Wheels.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 32MM (1.217") ID WHEELS.



00174



00176

For 32MM Metric Bore Wheels

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00170



00172

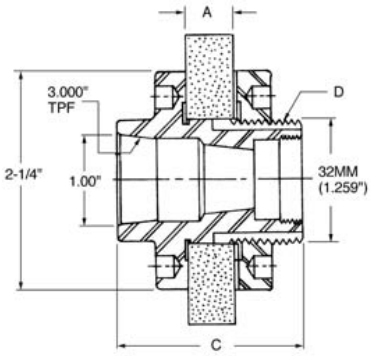


FIG. 1
For 32MM Metric Bore Wheels

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00170	1	1-100-1	1/2 to 3/4	1-7/8	1-1/4-16LH
00171	1	1-100-2	1/2 to 3/4	1-7/8	1-1/4-16RH
00172	1	2-200-1	1/4 to 1/2	1-3/4	1-1/4-16LH
00173	1	2-200-2	1/4 to 1/2	1-3/4	1-1/4-16RH
00174	1	3-300-1	3/4 to 1	2-1/4	1-1/4-16LH
00175	1	3-300-2	3/4 to 1	2-1/4	1-1/4-16RH
00176	2	2-230-1	1/4 to 1/2	1-3/4	1-1/4-16LH

*Other metric sizes quoted on request.

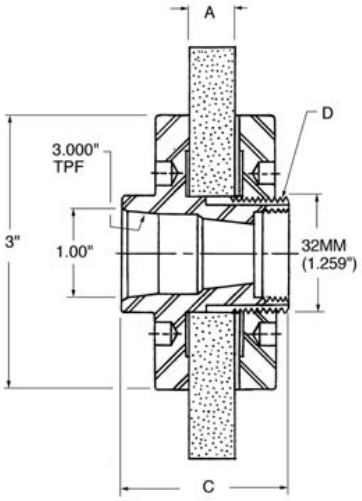


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

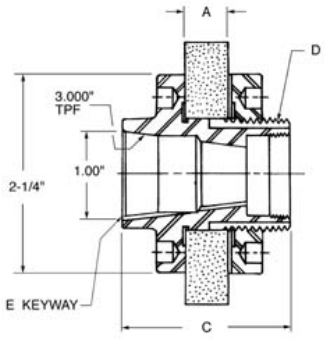
- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today's harsh coolant environments.

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00345 00348 00366

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSION A	C	D	E
00345	EN100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00346	EN100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00347	EN100-1C	3/4	1-7/8	1-1/4-16LH	-
00348	EN200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00349	EN200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00350*	ENA200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	3/16
00351*	ENA200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	3/16
00352**	ENK200-1	1/8 to 1/2	1-3/4	1-1/4-16LH	-
00353**	A2031-1	1/8 to 5/8	1-3/4	1-1/4-16LH	-
00355	EN200-1C	1/2	1-3/4	1-1/4-16LH	-
00364	EN300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00365	EN300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00368	EN300-1C	1	2-1/4	1-1/4-16LH	-
00369	EN300-2C	1	2-1/4	1-1/4-16RH	-
00356	A2031-2	3/8 to 1	2-1/4	1-1/4-16LH	-
00366	EN300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00367	EN300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00370	A2031-5	3/8 to 1-1/2	2-11/16	1-1/4-16LH	-



Electroless nickel plating available on all Sopko adapters at additional cost.
*Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.
** Keyway to face.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

When corrosive coolants pose special problems, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING INDUSTRY, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.
Sopko

Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.

- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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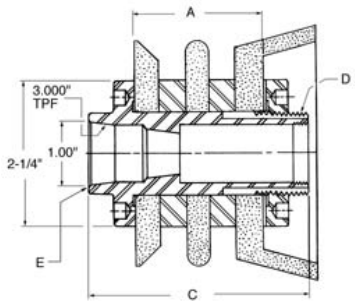


FIG. 1

00373 **00377**

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS		
			A	C	D
00371	1	EN400-1A	2	3-3/16	1-1/4-16LH
00372	1	EN400-2A	2	3-3/16	1-1/4-16RH
00373	1	EN400-1B	1 to 2	3-3/16	1-1/4-16LH
00374	1	EN400-2B	1 to 2	3-3/16	1-1/4-16RH
00376	1	EN500-1A	3	4-3/16	1-1/4-16LH
00377	1	EN500-1B	2 to 3	4-3/16	1-1/4-16LH
00378	1	A2031-4	1-3/4 to 3	4-3/16	1-1/4-16LH
00379	1	EN600-1A	4	5-3/16	1-1/4-16LH
00357	2	EN200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH

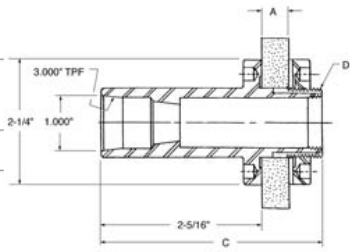


FIG. 2

Electroless nickel plating available on all Sopko adapters at additional cost.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Electroless Nickel Plated Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" AND 3.000" ID WHEELS.

If corrosive coolants pose special problems for you, choose Sopko ELECTROLESS NICKEL PLATED wheel adapters to reduce the high cost of replacement. Widely used in ELECTROLYTIC GRINDING machine applications and the RUBBER ROLL GRINDING industry, Electroless Nickel plating deposits a uniformly dense coating of nickel-phosphorus alloy onto the adapter surface.

Sopko Electroless Nickel coatings offer you...

- A HARD PROTECTIVE SHELL providing outstanding protection against wear and abrasion.
- AN ECONOMICAL ALTERNATIVE to stainless steel or hard chrome finishes.
- UNCOMMON CORROSION RESISTANCE to today’s harsh coolant environments.

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01112



00651



00358



00360

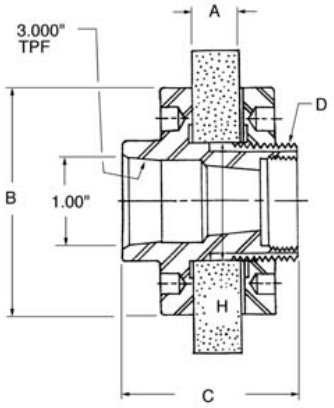


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00140	1	EN220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00358	1	EN220-2	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16RH	1.250
00359	1	EN330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00360	1	EN430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
01111	1	EN430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01914 *	1	ENB430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00361 *	1	ENB430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
01112	2	EN4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00974	2	EN4.5-2	0 to 1/2	4-1/2	1-7/8	1-1/4-16RH	1.250
00380	2	EN4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000
50397	2	EN5.0-1	0 to 1/2	5	1-7/8	1-1/4-16LH	1.250
01249	2	EN5.5-1	0 to 1/2	5-1/2	1-7/8	1-1/4-16LH	1.250
00136	2	EN6.0-1	0 to 1/2	6	1-7/8	1-1/4-16LH	1.250
00137	2	EN6.0-2	0 to 1/2	6	1-7/8	1-1/4-16RH	1.250
00651	2	EN6.5-2	0 to 1/2	6-1/2	1-7/8	1-1/4-16RH	1.250

Electroless nickel plating available on all Sopko adapters at additional cost.
*Balancing style adapter.

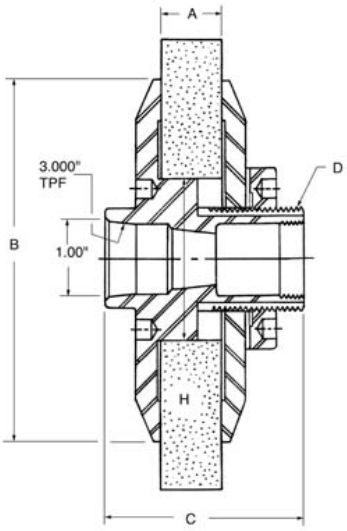


FIG. 2

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Stainless Steel Wheel Adapters.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

Made from 300 series stainless steel, and designed for applications that require the ultimate in corrosion resistance, these adapters are used widely in medical applications. They are anti-magnetic, which makes them ideal for cutting slots or grooves in magnetic materials. Hub, washer, and nut are all made from 300 series stainless steel.

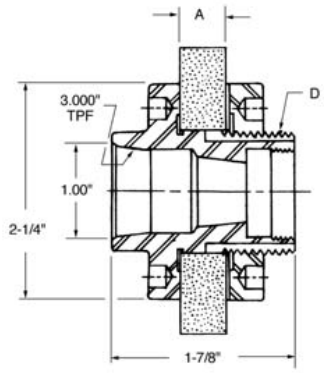
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00259



00267



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS	
		A	D
00259	SS100-1	3/8 to 3/4	1-1/4-16LH
00261	SS100-2	3/8 to 3/4	1-1/4-16RH
00211	S100/200-1	1/2 to 3/4	1-1/4-16LH
00267	SS100/200-2	1/2 to 3/4	1-1/4-16RH

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

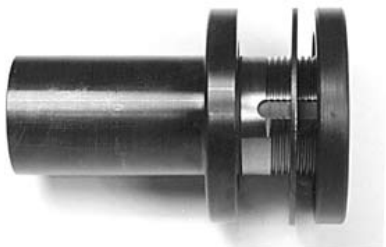
CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Wheel Adapters
With 3/32” Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



00719



00716

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00721

Note: 3/32" Keyway in small end of taper only

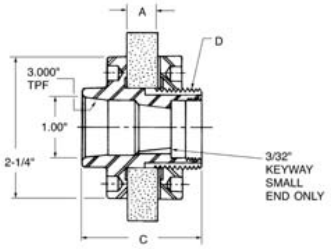


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS			
			A	C	D	F
00716	1	U200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00717**	1	BU200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00718	1	U200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00719	2	U200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00720	2	U200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00721	2	U200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00423	2	U200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16
00722	1	U300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00709	1	U300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
00723	1	U300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00193**	1	BU300-1	3/4 to 1	2-1/4	1-1/4-16LH	-

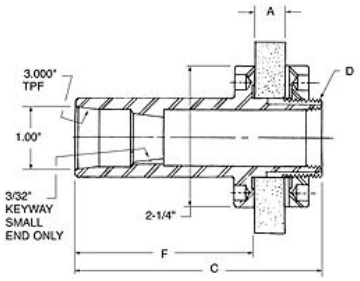


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

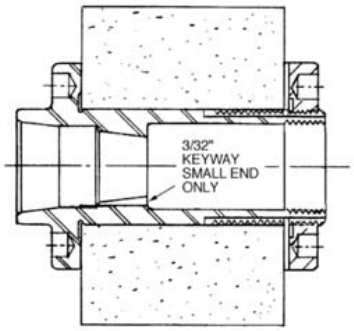
Standard Taper Wheel Adapters
With 3/32" Keyway in Small End of Taper.*

FOR GRINDING MACHINES MANUFACTURED BY UNISON CORP., FERNDALE, MI.
3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.



Note: 3/32" Keyway in small end of taper only

00725



SOPKO	SOPKO	DIMENSIONS

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CATALOG NO.	FIG.	PART NO.	A	C	D
00724	1	U400-1A	2	3-3/16	1-1/4-16LH
00725	1	U400-1B	1 to 2	3-3/16	1-1/4-16LH
00726	1	U400-2A	2	3-3/16	1-1/4-16RH
00727**	1	BU400-1B	1 to 2	3-3/16	1-1/4-16LH
00728	1	U500-1A	3	4-3/16	1-1/4-16LH
50320	1	U500-2A	3	4-3/16	1-1/4-16RH
00729	1	U500-1B	2 to 3	4-3/16	1-1/4-16LH
00730	1	U600-1A	4	5-3/16	1-1/4-16LH
00606	1	U600-1B	3 to 4	5-3/16	1-1/4-16LH
00732	2	U330-1	3/4 to 1	2-1/4	1-1/4-16LH
00733	2	U430-1A	2	3-1/4	1-1/4-16LH
00734	2	U430-1B	1 to 2	3-1/4	1-1/4-16LH

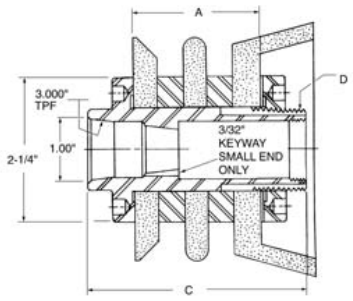


FIG. 1

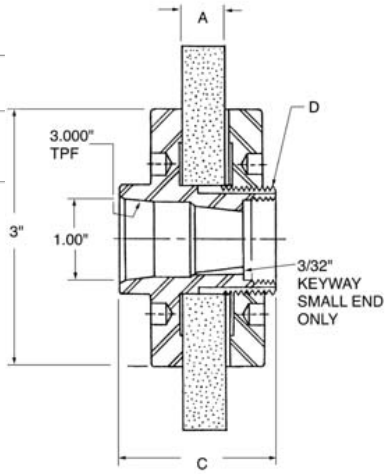


FIG. 2

Standard taper wheel adapters can be made with the 3/32" keyway in the taper.
List above is stocked product only.
* NOTE: The keyway is parallel to the centerline of the adapter.
**Balancing style adapter. See page 12 and 13 for other balancing style adapters.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Standard Taper Wheel Adapters With Ball Location.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

CNC grinders have multiple set-ups requiring wheel location repeatability. To hold this constant wheel position, Sopko adapters are ground to a precision BALL LOCATION, which establishes a constant relationship between the adapter taper and wheel face.

We'll Help You with CNC Grinding!

- BALL LOCATION for CNC REPEATABILITY.
- GROUND external threads for SAFETY you can count on.
- PRECISION internal taper for RELIABLE spindle mounting.
- CONCENTRIC and SQUARE surfaces for a BETTER WORKPIECE FINISH.
- BLACK OXIDE finish and completely HEAT TREATED for years of use.



00739

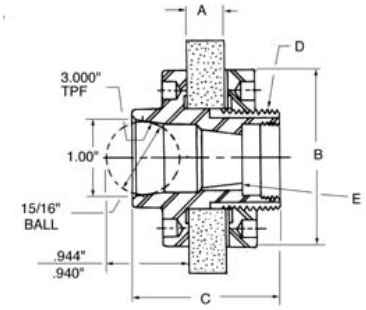


FIG. 1

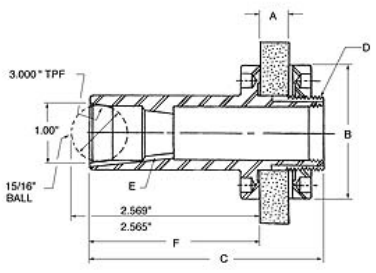


FIG. 2

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00738



00737

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	E
00157	1	100-2BALL	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-
00477	1	200-2BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00736*	1	U200-1BALL	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32
00737*	1	U400-1BBALL	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32
00469	1	600-2BBALL	4	2-1/4	5-3/16	1-1/4-16RH	-
00268**	2	200-1LH-1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-
00269***	2	AN200-1LH1-5/8BALL	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/16
00738*	3	EU230-1BALL	1/4 to 1/2	3	1-3/4	1-1/4-16LH	3/32
50337*	3	U430-1BBALL	1 to 2	3	3-1/4	1-1/4-16RH	3/32
00739*	4	U4.5-1BALL	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	3/32

* NOTE: The keyway is parallel to the centerline of the adapter in the small end of the taper only.
**See page 48 for other Huffman Grinder adapters.
***Comes with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.

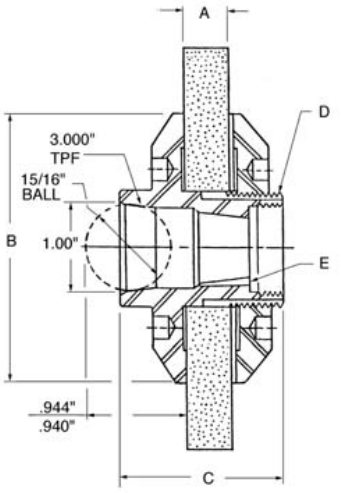


FIG. 3

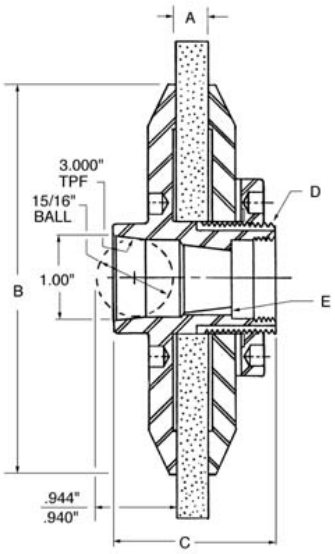


FIG. 4

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Wheel Adapters
With Glare Gear Assembly.

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

The UNIQUE GRINDING WHEEL LOCKING SYSTEM that eliminates damage to grinding wheels and spindle bearings caused by hammering. Also provides best possible mounting concentricity when tightening diamond, CBN, or vitrified wheels.

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01231**



01235

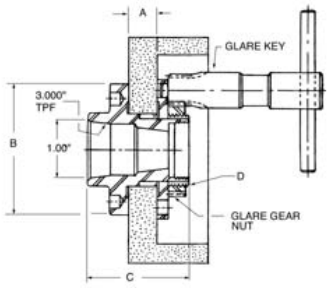


FIG. 1

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS					
			A	B	C	D	E	F
01231	1	GG100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-	-
01232	1	GG100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	-	-
01233	1	GG200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-	-
01234	1	GG200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-	-
01235	1	GG220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	-	-
01236	1	GG300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-	-
01237	1	GG300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	-	-
00159	1	GG300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	-	-
00127	1	GG400-1A	2	2-1/4	3-3/16	1-1/4-16LH	-	-
00566	1	GG400-2A	2	2-1/4	3-3/16	1-1/4-16RH	-	-
00189	1	GG400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	-	-
00417	1	GG500-1A	3	2-1/4	4-3/16	1-1/4-16LH	-	-
00462	1	GG500-2A	3	2-1/4	4-3/16	1-1/4-16RH	-	-
00704	1	GG500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	-	-
01282	3	GG200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	-	2-5/16
00687	3	GG200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	-	3-7/16
00740*	2	GGU100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	3/32	-
00741*	2	GGU100-2	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16RH	3/32	-
00742*	2	GGU200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	3/32	-
00743*	2	GGU200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	3/32	-
00744*	2	GGU300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	3/32	-
00745*	2	GGU300-2	3/4 to 1	2-1/4	2-1/4	1-1/4-16RH	3/32	-
00746*	2	GGU300-1B	1-1/2	2-1/4	2-11/16	1-1/4-16LH	3/32	-
00747*	2	GGU400-1A	2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00748*	2	GGU400-2A	2	2-1/4	3-3/16	1-1/4-16RH	3/32	-
00194*	2	GGU400-1B	1 to 2	2-1/4	3-3/16	1-1/4-16LH	3/32	-
00324*	2	GGU500-1A	3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00548*	2	GGU500-1B	2 to 3	2-1/4	4-3/16	1-1/4-16LH	3/32	-
00320*	3	GGU200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	3/32	2-5/16
00595*	3	GGU200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3/32	3-7/16
50329*	3	GGU200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	3/32	2-5/16

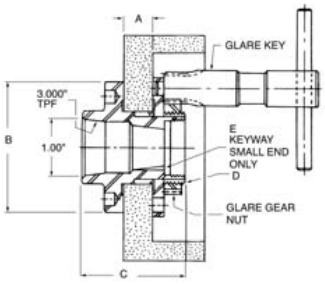


FIG. 2

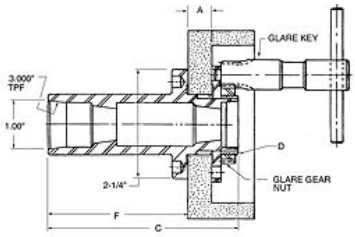


FIG. 3

See page 73 for complete selection of Glare Gear components.
Glare Gear Assemblies can be furnished with all 1-1/4" ID adapters.
List above is stocked product only.
*For grinding machines manufactured by Unison Corp., Ferndale, MI.
**Grinding wheel not included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Pin Slot Wheel Adapters for Reversing Spindles.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.
USED ON NORTON NO. 20 TOOL AND CUTTER GRINDERS AND OLD STYLE HUFFMAN GRINDERS.

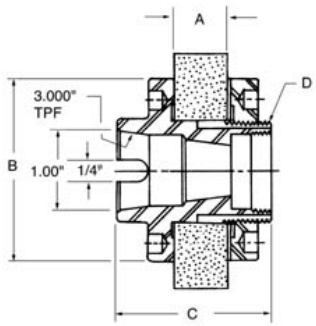


FIG. 1

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00094



00275



00209



00272

SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	F
00270	1	PS100-1	1/2 to 3/4	2-1/4	1-7/8	1-1/4-16LH	-
00209	1	PS200-1	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16LH	-
00271	1	PS200-2	1/4 to 1/2	2-1/4	1-3/4	1-1/4-16RH	-
00272	1	PS300-1	3/4 to 1	2-1/4	2-1/4	1-1/4-16LH	-
00094	1	PS130-1	3/4	3	1-15/16	1-1/4-16LH	-
00275	2	PS4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	-
00198**	3	-	3/8 to 1/2	2-1/4	2	1-1/4-16RH	15/16
00212	3	PS200-1LH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16LH	2-5/16
00213	3	PS200-2RH1-5/8	1/4 to 1/2	2-1/4	3-3/8	1-1/4-16RH	2-5/16
00089	3	PS200-1LH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16LH	3-7/16
00090	3	PS200-2RH2-3/4	1/4 to 1/2	2-1/4	4-1/2	1-1/4-16RH	3-7/16
00276	4	PS200-2CW-1-5/8	1/2	2-1/4	2-1/2	1-1/4-16RH	-
00277	4	PS200-2CW-2-5/8	1/2	2-1/4	3-1/2	1-1/4-16RH	-

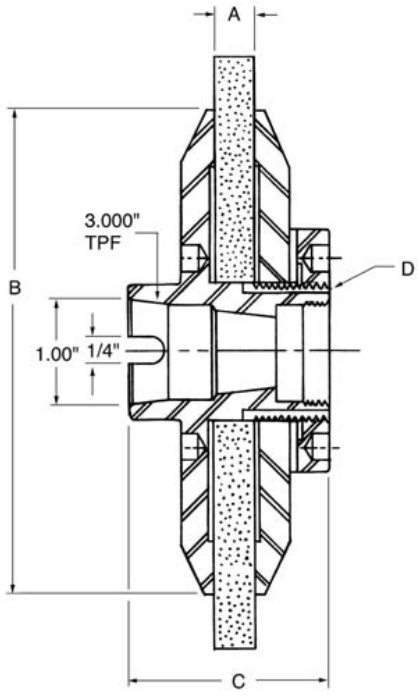


FIG. 2

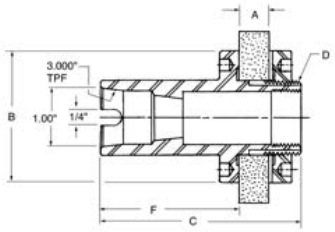


FIG. 3

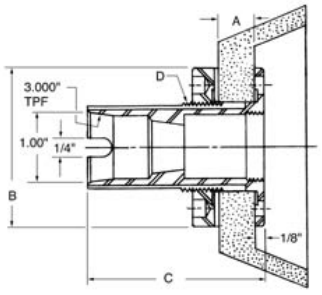


FIG. 4

*Most Sopko adapters can be modified with a pin slot.
List above is stocked product only.
**Has 5/16" pin slot.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

William Sopko & Sons Co., Inc. ● 26500 Lakeland Blvd. ● Cleveland, Ohio 44132-2692 ● Order Desk (216) 289-1400 ● Fax (216) 289-1888

Large Taper Bolt-On Flange Balancing Wheel Adapters for Larger Grinders.
3.000" TPF WITH 1.62" AND 2.25" DIAMETER AT LARGE END OF TAPER.

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FOR 3.000" AND 5.000" ID WHEELS.



01353
(Front Side)



01351
(Taper Side)

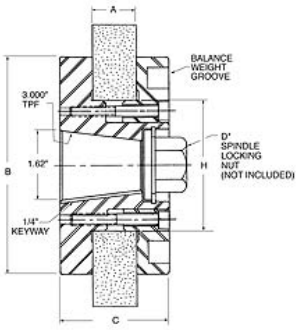


FIG. 1

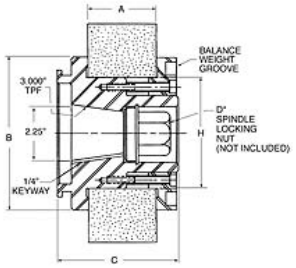


FIG. 2

SOPKO CATALOG NO.	FIG.	DIMENSIONS			
		A	B	C	H
01351*†	1	1 to 1-1/2	7	3	5.000
01353*	1	1	4-15/16	2-1/2	3.000
01355**•	2	2-1/4 to 3	7	5-1/2	5.000

OPTIONAL SOCKET HEAD CAP SCREW SETS.

ADAPTER	WHEEL WIDTH RANGE	SCREW SET CATALOG NO.	SCREW SIZE	SET QTY
01351	1 to 1-1/4	01812	5/16-18X2	6
	1-1/2	01813	5/16-18X2-1/2	6
01353	3/4 to 1	01814	1/4-20X2	4
01355	2-1/4 to 2-1	01806	5/16-18X2	6
	2-3/4 to 3	01807	5/16-18X2-1/2	6



01812

01865	Three piece bronze balancing weight set for 01353.
00839	Three piece bronze balancing weight set for 01351.
00840	Three piece bronze balancing weight set for 01355.



00839

All balancing style adapters include the three piece bronze balancing weight set.
See page 12 and 13 for standard taper balancing adapters.
* Price does not include optional nut 3/4-16LH 05020, 3/4-16RH 05021 on page 76 or snap ring 04291.
** Price does not include optional nut 7/8-14LH 05116, 7/8-14RH 05117 on page 76 or snap ring 04305.
Manufactured with snap ring groove. Snap ring not included.
Select proper length screw sets from tabulation to lock specific grinding wheel widths.
† Pope, Setco, and Whitnon.
• Setco

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Tools and Accessories for Wheel Adapters.

SPANNER WRENCHES.

Computer aided design and state-of-the-art manufacturing are combined to produce these versatile and practical wrenches. Drop forged, and heat treated to optimize strength and toughness, Sopko wrenches are made for performance. Thin wall box end construction provides the added clearance needed to free stubborn spindle nuts in tight places. Pins and prongs are integrally forged with the wrench for strength, then machined for a positive fit.

35135 COMBINATION SPANNER AND HEX SOCKET WRENCH.
This Sopko innovation replaces older slotted wrench designs.
7/32" diameter pins set 1-3/4" apart. 11/16" single hex socket.
6-1/8" OAL. Black oxide finish.



10859 COMBINATION SPANNER AND PRONGED WRENCH.
7/32" diameter pins set 1-3/4" apart. Prongs 1/8" thick, 7/8" across. 6-1/32" OAL. Black oxide finish.



00424 (S424) FACE SPANNER WRENCH.
7/32" diameter pins set 1-3/4" apart.
6-1/8" OAL. Black oxide finish.



00476 (PS35135T) HEAVY DUTY COMBINATION SPANNER AND HEX SOCKET WRENCH.
7/32" diameter pins set 1-3/4" apart. 11/16" single hex socket.
Oversized T-handle for extra leverage. 8-1/4" OAL.
Rust resistant finish.



01255 T-HANDLE HEX SOCKET PULLER WRENCH.
Incorporates 11/16" single hex socket wrench and T-handle with an adapter puller to create a one piece tool to remove adapters from spindle tapers. 6-1/8" long. Black oxide finish.



03869 ANCA TG7 WHEEL-PACK WRENCH.
Four 3/16" replaceable pins 01272 provide full nut engagement to safely remove or tighten wheel-packs. A 5/8" wide knurled band and a convenient 3/8" square drive make nut

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removal fast and easy.
Black oxide finish.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Wheel Balancing Stand.

- PORTABLE.
- EXTEND GRINDING WHEEL LIFE.
- EASY TO OPERATE.
- LOW INVESTMENT.
- UP TO 8" DIAMETER WHEELS.
- USE WITH OR WITHOUT BALANCING ADAPTERS.
- HARDENED AND GROUND RAILS.



01001

01000 (BS1000) PORTABLE STATIC WHEEL BALANCER. Furnished with stand, leveling screw, bubble level, 3/16" hex wrench 03866, mounted hardened precision ground rails, and detailed operating instructions. The stand is 6-1/2" wide and 4-13/16" high with a 4" throat. It will handle 8" maximum diameter wheels and can be used with or without balancing style wheel adapters. For the lowest micro-inch finishes, use the BS1000 stand with SOPKO balancing ring adapters.

01001 (BS1000K1) PORTABLE STATIC WHEEL BALANCING KIT includes the 01000 (BS1000) balancing stand, the precision ground 52273 balancing arbor with nut, and the 00251 (B230-1) 3" diameter standard taper wheel adapter with balancing rings for 1/2" wide wheels maximum. Detailed operating instructions included.

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01002 (BS1000K) PORTABLE STATIC WHEEL BALANCING KIT includes the 01000 (BS1000) balancing stand, the precision ground 52273 balancing arbor with nut, and the 00260 (B200-1) 2-1/4" diameter, standard taper wheel adapter with balancing rings for 1/2" wide wheels maximum. Detailed operating instructions included.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Sopko High Speed Attachment.

INCREASE THE USE OF YOUR SURFACE GRINDER.
USED ON HARIG, REID, K.O. LEE, PARKER MAJESTIC, AND MANY MORE.



08000

08000 Used to finish radii on dies or other parts requiring small contour grinding, this unit is perfect for the tool room, job shop, or any number of occasional use applications. Designed for long life and heavy use, the Sopko High Speed Attachment kit increases the productivity of your surface grinder. When attached, it's like having an extra machine in the shop at only a fraction of the cost. The center distance between the surface grinder spindle and the attachment spindle is held to a minimum with our latest bracket design. The attachment spindle is shorter in length than competitive units, allowing maximum over-table use horizontally or vertically. The High Speed Attachment is furnished as a complete kit including all standard items listed below. Unit net weight 30.1 LB. Shipping weight 34 LB.

Standard unit includes:

08001	Bracket.
08002	3" Diameter eccentric bushing for Harig, Reid No. 2, K.O. Lee, Parker Majestic, Hammond No. 2, and others with 3" diameter spindles.
08003	17,500 RPM grease lubricated spindle with 1-3/16" diameter pulley.
08004	5-9/16" Diameter flat belt pulley.
00200	(200-1) Adapter. Pulley is mounted on the adapter and balanced.
10197	5/8" X 20-1/4" Sopko flat belt (2 pcs).
00630	(630) 11/16" Open end wrench for series 4000 collet chuck nut.
00631	(603A) 5/8" Open end wrench for collet chuck quill wrench flat.
00640	(604A) 3/4" Open end wrench for end of spindle.
08005	1/8" Short arm hex wrench.
08006	1/4" Short arm hex wrench.
35135	Spanner-socket wrench.
08007	Wooden storage box.

Maintain safe speeds, refer to grinding wheel manufacturers' instructions and ANSI B7.1 or DIN 69170 safety standards.

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ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Standard Taper Short I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER. FOR A SMALL RADIUS OR THAT ONE SMALL SLOT. SAVE THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All SHORT IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 1-1/4" wrench flat on the body makes installation and removal easy.

CHECK THESE FEATURES!

- ALL DIAMETERS GROUND for concentricity.
- PRECISION INTERNAL TAPER for proper spindle mating.
- ALL COMPONENT PARTS HEAT TREATED for strength and long life.
- THREAD GROUND EXTERNAL THREADS for maximum concentricity and squareness.
- SPECIALS can be made to your requirements. Please specify wheel OD, width, and ID.



00759



00765



00769

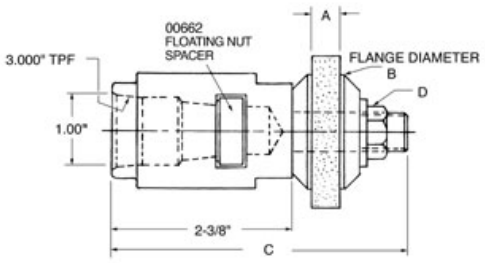


00773



00775

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS A	B	C	D
00759	200-3/8LH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16LH HEX
00760	200-3/8RH-S	1/2 to 3/4	1-1/2	3-7/8	3/8-16RH HEX
00761		1/2 to 3/4	2	3-7/8	3/8-16LH HEX
00762		1/2 to 3/4	2	3-7/8	3/8-16RH HEX
00763	200-1/2LH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13LH HEX
00764	200-1/2RH-S	3/8 to 5/8	1-1/2	3-7/8	1/2-13RH HEX
00765		3/8 to 5/8	2	3-7/8	1/2-13LH HEX
00766		3/8 to 5/8	2	3-7/8	1/2-13RH HEX
00769		1/2	2	3-7/8	5/8-18LH HEX
00770		1/2	2	3-7/8	5/8-18RH HEX
00773		1/2	2	4	3/4-16LH HEX
00774		1/2	2	4	3/4-16RH HEX
00775	200-1LH-S	1/2	2-1/2	4	1-20LH ROUND
00776	200-1RH-S	1/2	2-1/2	4	1-20RH ROUND



Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16” wrench flat on the step makes installation and removal easy.

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See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

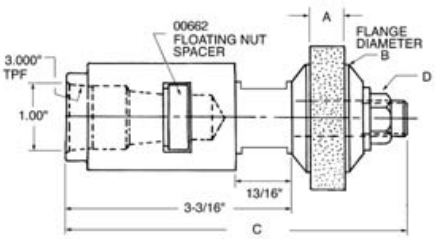


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Long I.D. Wheel Extensions.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR A SMALL RADIUS OR THAT ONE SMALL SLOT.
SAVE BOTH THE EXPENSE AND SET-UP TIME OF A HIGH SPEED ATTACHMENT.

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All LONG IDWEs come with a floating nut spacer 00662 (FN-1), two flanges, and a wheel end-nut. The hex spindle nut must be selected separately to suit your machine. Most grinders use 1/2-13LH or 1/2-13RH threads. A 13/16” wrench flat on the step makes installation and removal easy. See page 76 for available hex spindle nut sizes. Extends grinding wheels 13/16" further from spindle nose than the short series ID wheel extensions shown on page 16.



00777



00783

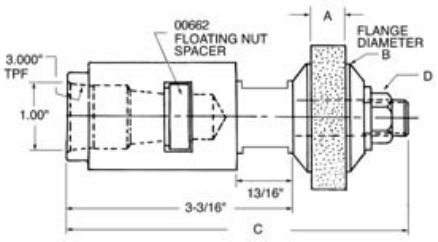


00787



00791

SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	B	C	D
00777	200-3/8LH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16LH HEX
00778	200-3/8RH-L	1/2 to 3/4	1-1/2	4-13/16	3/8-16RH HEX
00779		1/2 to 3/4	2	4-13/16	3/8-16LH HEX
00780		1/2 to 3/4	2	4-13/16	3/8-16RH HEX
00781	200-1/2LH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13LH HEX
00782	200-1/2RH-L	3/8 to 5/8	1-1/2	4-13/16	1/2-13RH HEX
00783		3/8 to 5/8	2	4-13/16	1/2-13LH HEX
00784		3/8 to 5/8	2	4-13/16	1/2-13RH HEX
00787		1/2	2	4-13/16	5/8-18LH HEX
00788		1/2	2	4-13/16	5/8-18RH HEX
00791		1/2 to 1	2	4-13/16	3/4-16LH HEX
00792		1/2 to 1	2	4-13/16	3/4-16RH HEX



*For smaller wheels, ID wheel extensions can be supplied with wheelscrews.
*See page 74 for available flanges.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Tools and Accessories for Wheel Adapters.

PULLERS.

Make adapter removal safe and easy with the widest variety of pullers available anywhere in the industry. Designed to apply pressure to the end of the spindle shaft and gently pull the adapter assembly off the precision taper. Two-part puller assembly consists of a knurled bushing that threads into the adapter hub and a pressure screw.

00116 (116) STANDARD PULLER ASSEMBLY.
1" OD knurled bushing 00681, .984"-16RH OD thread. Pressure screw 00117 1-1/8" long,
1/2-13RH thread, 11/16" hex. Black oxide finish.



00188 STANDARD PULLER ASSEMBLY FOR 300 SERIES ADAPTERS.
1" OD knurled bushing 00681, .984"-16RH OD thread. Pressure screw 00904 2" long,
1/2-13RH thread, 3/4" hex. Black oxide finish.



05305 PULLER ASSEMBLY FOR 00255 (222RWA-R) ADAPTER.



00493 PULLER FOR ANCA TG7 ADAPTERS. T-handle design with M36x1.5RH OD thread.
7-1/16" long. Black oxide finish.



00903 (173683-J) PULLER ASSEMBLY FOR BROWN & SHARPE 23-1569 ADAPTER.
1-9/16" OD knurled bushing, 1-1/2-16RH OD thread. Nylon tip T-handle pressure screw
01176 1-7/8" long, 3/4-10RH thread. Black oxide finish.



01215 PULLER ASSEMBLY FOR BROWN & SHARPE 25-1569 ADAPTER.
2-1/16" OD knurled bushing, 2-16RH OD thread. Nylon tip T-handle pressure screw
01176 1-7/8" long, 3/4-10RH thread. Black oxide finish.



05286 PULLER ASSEMBLY FOR LARGE TAPER ADAPTERS 01324, 01330, 01332, 01337, 01338, 01339, and 01340. 2" OD knurled bushing, 2-5/16-20RH OD thread. Socket head pressure screw 01266 2" long, 5/8-11RH thread. Black oxide finish.



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05319 PULLER ASSEMBLY FOR LARGE TAPER ADAPTERS 01312, 01314, 01315, 01316, and 01317.
1-3/8" OD knurled bushing, 1-1/2-20RH OD thread. Pressure screw 00904 2" long, 1/2-13RH thread, 3/4" hex. Black oxide finish.



05284 PULLER ASSEMBLY FOR LARGE TAPER ADAPTERS.
1-3/8" OD knurled bushing, 1-1/2-20RH OD thread. Pressure screw 00117 1-1/8" long,
1/2-13RH, 11/16" hex. Black oxide finish.



05268 PULLER ASSEMBLY FOR S.E. HUFFMAN ADAPTERS.
1-1/2" OD knurled bushing, 1-5/8-16RH OD thread. Pressure screw 00904 2" long, 1/2-13RH thread, 3/4" hex. Black oxide finish.



01875 PULLER FOR HEALD ADAPTER 50065 (75022A).
2-3/4" OD knurled bushing, 2-3/8-16RH OD thread. Pressure screw 00683 1-1/2" long,
5/8-11RH thread, 15/16" hex. Black oxide finish.



ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Standard Taper Balancing Wheel Adapters for Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

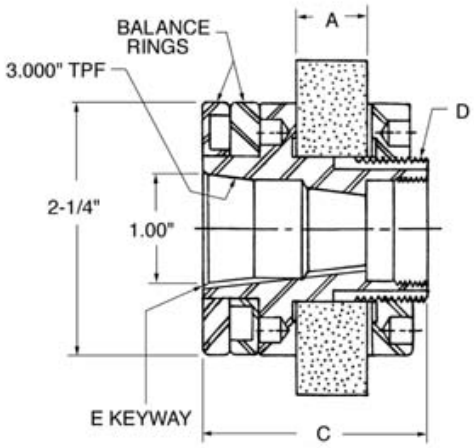
Sopko balancing rings have milled pockets with 180° arc-length. One end of the arc is permanently stamped with a reference line and arrow to designate direction of rotation. Unlike some balancing rings, Sopko “sandwiches” the milled pockets together inside the mated faces. Grinding grit can’t build up! Rings are lapped flat and ground for a precision fit. A nylon-tipped set screw secures each ring to the adapter hub. All balancing adapters furnished with a 3/32" hex wrench 00938.



00565



00106



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	E
00106	B100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00107	B100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00260	B200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00262	B200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00310	B300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00311	B300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00313	B300-1C	1	2-1/4	1-1/4-16LH	-
00312	B300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
50331**	ANB300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00338	B300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00404	B400-1A	2	3-3/16	1-1/4-16LH	-
00405	B400-2A	2	3-3/16	1-1/4-16RH	-
00410	B400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00412	B400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00504	B500-1A	3	4-3/16	1-1/4-16LH	-
00565	B500-1B	2 to 3	4-3/16	1-1/4-16LH	-
00505	B500-2A	3	4-3/16	1-1/4-16RH	-
50305	B600-1B	3 to 4	5-3/16	1-1/4-16LH	-
50393	B1000-1A	8	9-3/16	1-1/4-16LH	-

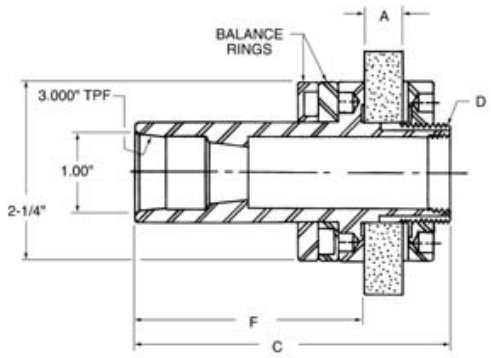
Use Sopko Balancing Adapters to:

- Increase productivity.
- Reduce downtime and maintenance.
- Produce low micro-finishes.
- Reduce wheel wear and truing frequency.
- Reduce costly spindle failures.

**Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.



00228



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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	F
00228	B200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00229	B200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00244	B200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00219	B200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16

*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

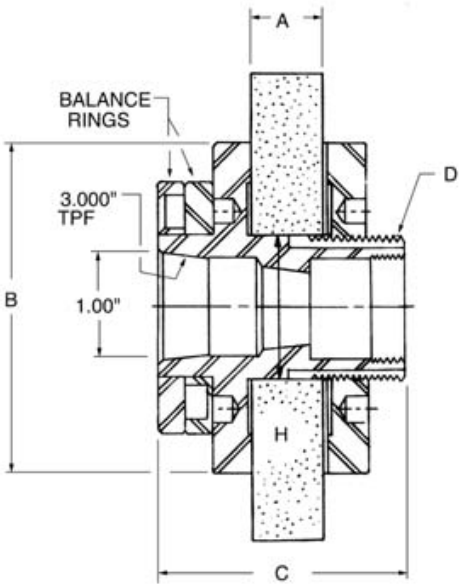
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.





00460

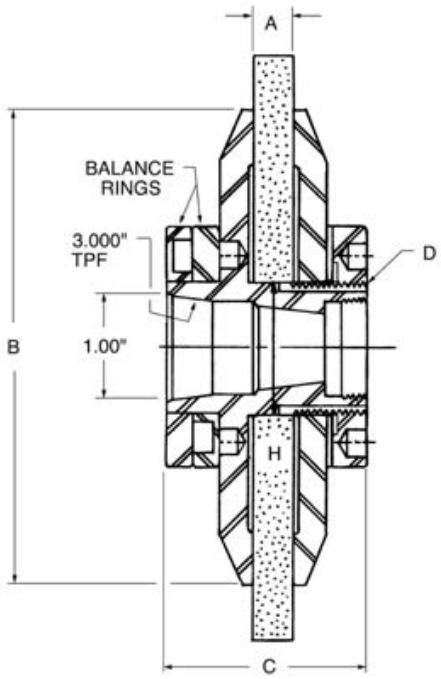


00248
(Front Side)

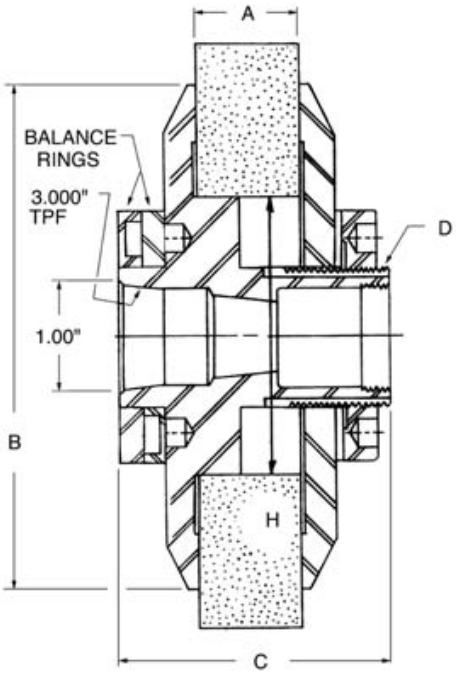


00251
(Taper Side)

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SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000



*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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Tools and Accessories for Wheel Adapters.

SPANNER WRENCHES.

Computer aided design and state-of-the-art manufacturing are combined to produce these versatile and practical wrenches. Drop forged, and heat treated to optimize strength and toughness, Sopko wrenches are made for performance. Thin wall box end construction provides the added clearance needed to free stubborn spindle nuts in tight places. Pins and prongs are integrally forged with the wrench for strength, then machined for a positive fit.

35135 COMBINATION SPANNER AND HEX SOCKET WRENCH.
This Sopko innovation replaces older slotted wrench designs.
7/32" diameter pins set 1-3/4" apart. 11/16" single hex socket.
6-1/8" OAL. Black oxide finish.



10859 COMBINATION SPANNER AND PRONGED WRENCH.
7/32" diameter pins set 1-3/4" apart. Prongs 1/8" thick, 7/8" across. 6-1/32" OAL. Black oxide finish.



00424 (S424) FACE SPANNER WRENCH.
7/32" diameter pins set 1-3/4" apart.
6-1/8" OAL. Black oxide finish.



00476 (PS35135T) HEAVY DUTY COMBINATION SPANNER AND HEX SOCKET WRENCH.
7/32" diameter pins set 1-3/4" apart. 11/16" single hex socket.
Oversized T-handle for extra leverage. 8-1/4" OAL.
Rust resistant finish.



01255 T-HANDLE HEX SOCKET PULLER WRENCH.
Incorporates 11/16" single hex socket wrench and T-handle with an adapter puller to create a one piece tool to remove adapters from spindle tapers. 6-1/8" long. Black oxide finish.



03869 ANCA TG7 WHEEL-PACK WRENCH.
Four 3/16" replaceable pins 01272 provide full nut engagement to safely remove or tighten wheel-packs. A 5/8" wide knurled band and a convenient 3/8" square drive make nut

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removal fast and easy.
Black oxide finish.

ROTATION:
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LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Tools and Accessories for Wheel Adapters.

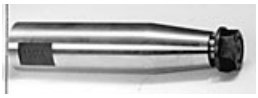
TRUING ARBORS.

Provide a quick and easy way to accurately true Sopko adapter mounted grinding wheels.
Made from tough alloy steel, all Sopko truing arbors are hardened and ground to provide a long lasting precision mounting taper to simulate the spindle nose configuration.

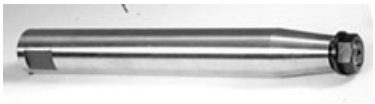
00001 (100TA) For standard taper adapters having 3.000" TPF and 1.00" LE. Hardened and precision ground. 4-11/16" OAL. 1/2-13RH hex spindle nut furnished. (Most Popular)



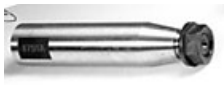
00078 (100-TA-LH) same as 00001 but 1/2-13LH hex spindle nut furnished.



05248 Same as 00001 but 8" OAL. 1/2-13RH hex spindle nut furnished.



00875 (875TA) For use with all Cincinnati taper adapters having
4.500" TPF and .87" LE. Hardened and precision ground.
4-1/4" OAL. 1/2-13RH hex spindle nut furnished.



05292 For use with ANCA MG7/RG7 machines with 3.500" TPF and 1.02" LE. 4-11/16" OAL. Accepts spindle mounting bolt 00666 M8xP1.25RH .



05293 For use with ANCA TG7/DM7 machines with 3.500" TPF and 1.38" LE. 4-11/16" OAL. Accepts spindle mounting bolt 00665 M12xP1.75RH .



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ROTATION:
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LH: Left-hand threads for CW spindle rotation.

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Tools and Accessories for Wheel Adapters.

MOUNT-DISMOUNT FIXTURES FOR ANCA ADAPTERS.

This Sopko innovation is designed for the ANCA TG7/DM7, MG7/RG7, and TG4 Fastgrind machine family. Now, you can safely and efficiently mount and dismount wheel-packs without damaging expensive grinding wheels. And, you can continue to operate your machine, producing product, while grinding wheel changes are being made!

05245 Designed for the ANCA TG7 and DM7 machines, the fixture is furnished complete with a 5-1/2" diameter base-plate and two T-handle locking pins 00906. The base-plate is designed to be bolted to a workbench through two 3/8" drill holes on the outer insert surface. T-handle pins secure the TG7/DM7 adapter in the 3" base ID by engaging the adapter hub OD holes through holes on the insert OD. This efficient locking mechanism allows the machine operator to mount or dismount grinding wheel-packs quickly and safely.
(ANCA Part No. ICN-3113-0001.)



00077 This optional insert, supplied with two 1/4" SHCS 02665, attaches to the 05245 base-plate shown above to mount or dismount wheel-packs on TG4 adapters. With the insert securely installed, the T-handles 00906 firmly and quickly engage the TG4 adapter hub OD holes through two holes on the insert OD.
(ANCA Part No. ICN-3113-0002.)



00072 This optional insert, furnished with two 1/4" SHCS 02665 and a shoulder bolt 02666 attaches to the 05245 base-plate shown above to mount or dismount MG7/RG7 wheel-packs. The insert is securely held with 1/4" SHCS and the adapter hub is locked to the fixture with the shoulder bolt. Two set screws 00973 in the insert gently contact the MG7/RG7 hub flats to prevent rotation as pressure is applied.
(ANCA Part No. ICN-3113-0003.)



ROTATION:
RH: Right-hand threads for CCW spindle rotation.

CAUTION!

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Standard Taper Balancing Wheel Adapters for Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250" ID WHEELS.

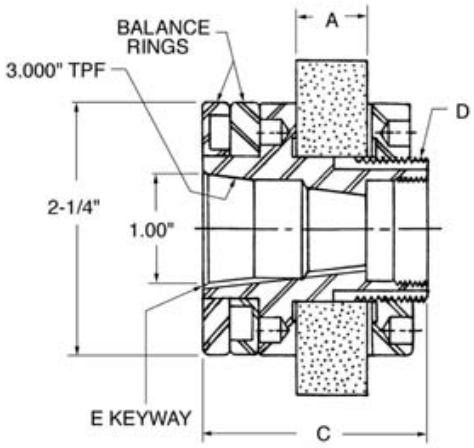
Sopko balancing rings have milled pockets with 180° arc-length. One end of the arc is permanently stamped with a reference line and arrow to designate direction of rotation. Unlike some balancing rings, Sopko “sandwiches” the milled pockets together inside the mated faces. Grinding grit can’t build up! Rings are lapped flat and ground for a precision fit. A nylon-tipped set screw secures each ring to the adapter hub. All balancing adapters furnished with a 3/32" hex wrench 00938.



00565



00106



SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	E
00106	B100-1	1/2 to 3/4	1-7/8	1-1/4-16LH	-
00107	B100-2	1/2 to 3/4	1-7/8	1-1/4-16RH	-
00260	B200-1	1/4 to 1/2	1-3/4	1-1/4-16LH	-
00262	B200-2	1/4 to 1/2	1-3/4	1-1/4-16RH	-
00310	B300-1	3/4 to 1	2-1/4	1-1/4-16LH	-
00311	B300-1B	1-1/2	2-11/16	1-1/4-16LH	-
00313	B300-1C	1	2-1/4	1-1/4-16LH	-
00312	B300-2	3/4 to 1	2-1/4	1-1/4-16RH	-
50331**	ANB300-2	3/4 to 1	2-1/4	1-1/4-16RH	3/16
00338	B300-2B	1-1/2	2-11/16	1-1/4-16RH	-
00404	B400-1A	2	3-3/16	1-1/4-16LH	-
00405	B400-2A	2	3-3/16	1-1/4-16RH	-
00410	B400-1B	1 to 2	3-3/16	1-1/4-16LH	-
00412	B400-2B	1 to 2	3-3/16	1-1/4-16RH	-
00504	B500-1A	3	4-3/16	1-1/4-16LH	-
00565	B500-1B	2 to 3	4-3/16	1-1/4-16LH	-
00505	B500-2A	3	4-3/16	1-1/4-16RH	-
50305	B600-1B	3 to 4	5-3/16	1-1/4-16LH	-
50393	B1000-1A	8	9-3/16	1-1/4-16LH	-

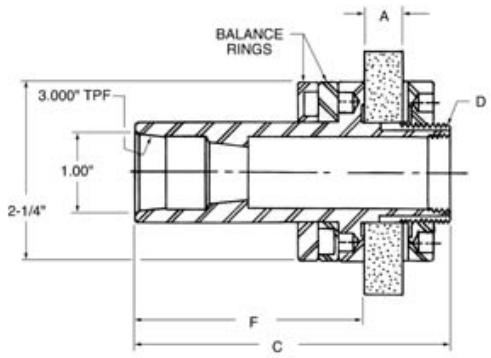
Use Sopko Balancing Adapters to:

- Increase productivity.
- Reduce downtime and maintenance.
- Produce low micro-finishes.
- Reduce wheel wear and truing frequency.
- Reduce costly spindle failures.

**Furnished with two #10-32 nylon-tipped set screws 00939 on nut OD for reversing rotation applications.



00228



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SOPKO CATALOG NO.	SOPKO PART NO.	DIMENSIONS			
		A	C	D	F
00228	B200-1LH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16LH	2-5/16
00229	B200-2RH1-5/8	1/4 to 1/2	3-3/8	1-1/4-16RH	2-5/16
00244	B200-1LH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16LH	3-7/16
00219	B200-2RH2-3/4	1/4 to 1/2	4-1/2	1-1/4-16RH	3-7/16

*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

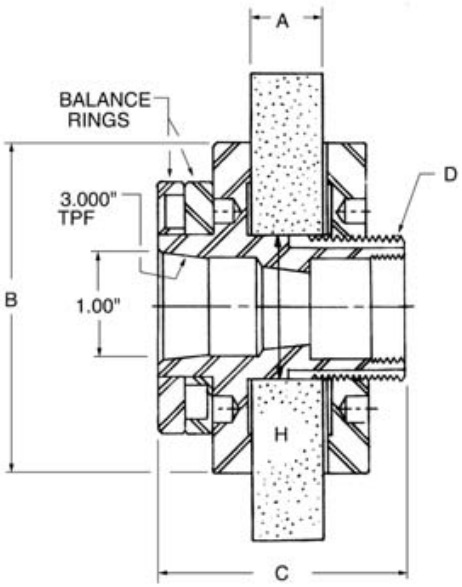
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

Standard Taper Flanged Balancing Wheel Adapters For Small Surface Grinders.*

3.000" TPF WITH 1.00" DIAMETER AT LARGE END OF TAPER.
FOR 1.250", 2.000", AND 3.000" ID WHEELS.

With operator safety in mind, Sopko offers a selection of balancing adapters having a variety of diameters for larger OD wheels. At Sopko the focus is always on operator safety; that's why we designed and made these balancing adapters with precision internal tapers and thread ground OD threads. And that's not all, we heat treat component parts for strength and grind all surfaces square and concentric for truly flat bearing surfaces. For safety, increased productivity, low-micro finishes, and reduced wheel wear, insist on Sopko large OD balancing adapters.





00460

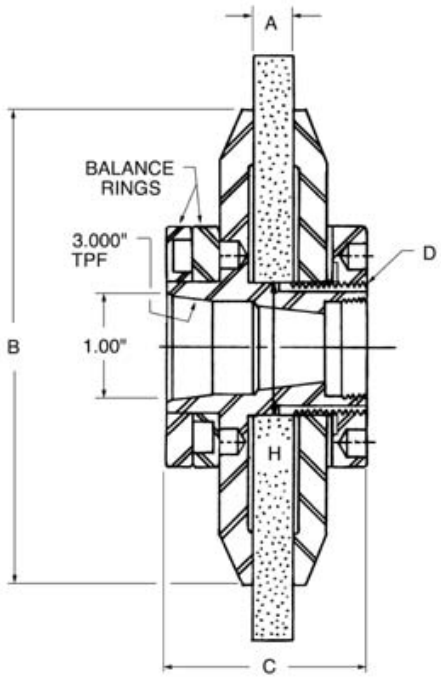


00248
(Front Side)

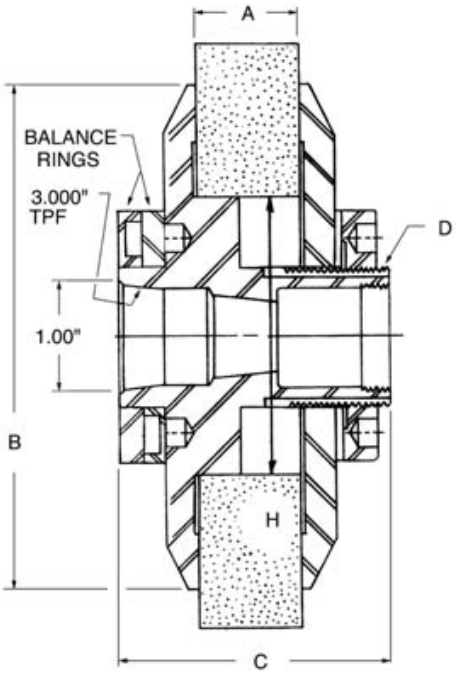


00251
(Taper Side)

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SOPKO CATALOG NO.	FIG.	SOPKO PART NO.	DIMENSIONS				
			A	B	C	D	H
00248	1	B220-1	1/4 to 1/2	2-7/16	1-3/4	1-1/4-16LH	1.250
00250	1	B130-1	3/4	3	1-15/16	1-1/4-16LH	1.250
00326	1	-	3/8 to 3/4	3-1/2	3-1/2	1-1/4-16LH	1.250
00315	1	B135-1	3/4	3-1/2	1-15/16	1-1/4-16LH	1.250
00251	1	B230-1	1/4 to 1/2	3	1-3/4	1-1/4-16LH	1.250
00579	1	B230-2	1/4 to 1/2	3	1-3/4	1-1/4-16RH	1.250
00339	1	B330-1D	1/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00340	1	B330-2D	1/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00436	1	B330-1	3/4 to 1	3	2-1/4	1-1/4-16LH	1.250
00437	1	B330-2	3/4 to 1	3	2-1/4	1-1/4-16RH	1.250
00438	1	B430-1A	2	3	3-1/4	1-1/4-16LH	1.250
00439	1	B430-1B	1 to 2	3	3-1/4	1-1/4-16LH	1.250
00440	1	B430-2A	2	3	3-1/4	1-1/4-16RH	1.250
00441	1	B430-2B	1 to 2	3	3-1/4	1-1/4-16RH	1.250
00555	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16LH	1.250
00696	1	-	1/4 to 1	4-1/4	2-1/2	1-1/4-16RH	1.250
00458	2	B4.5-1	0 to 1/2	4-1/2	1-7/8	1-1/4-16LH	1.250
00459	3	B4.5-1-2	3/8 to 3/4	4-1/2	2-1/8	1-1/4-16LH	2.000
00460	3	B4.5-1-3	3/8 to 1	4-1/2	2-3/8	1-1/4-16LH	3.000



*Most Sopko adapters can be furnished with balancing rings.
*See page 65, 66, 67, 68, and 69 for large taper balancing adapters for larger grinders.
*See page 90, 91, and 92 for balancing stands and accessories.

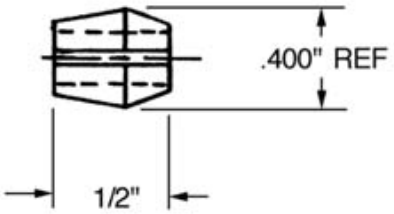
ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
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Double Taper Collets and Collet Nuts.*

Series 4000 and 5000.



4000 SERIES - RANGE 1/16" TO 9/32"

SOPKO CATALOG NO.	COLLET CAPACITY
20000	1/16
20001	5/64
20002	3/32
20003	7/64
20004	1/8
20005	9/64
20006	5/32
20007	11/64
20008	3/16
20009	13/64
20010	7/32
20011	15/64
20012	1/4
20200	9/32
20013	NUT



20004



20000



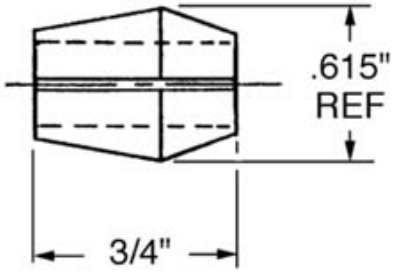
20008



20012



20013



5000 SERIES - RANGE 1/8" TO 3/8"

SOPKO CATALOG NO.	COLLET CAPACITY
20014	1/8
20015	9/64
20016	5/32
20017	11/64
20018	3/16
20019	13/64
20020	7/32
20021	15/64
20022	1/4
20023	17/64
20024	9/32
20025	19/64
20026	5/16



20014



20018



20022



20030



20031

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20027	21/64
20028	11/32
20029	23/64
20030	3/8
20031	NUT

* Available in metric, letter, and number sizes within range.

ROTATION:
RH: Right-hand threads for CCW spindle rotation.
LH: Left-hand threads for CW spindle rotation.

CAUTION!
Always Wear Safety Goggles When Griding.

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