

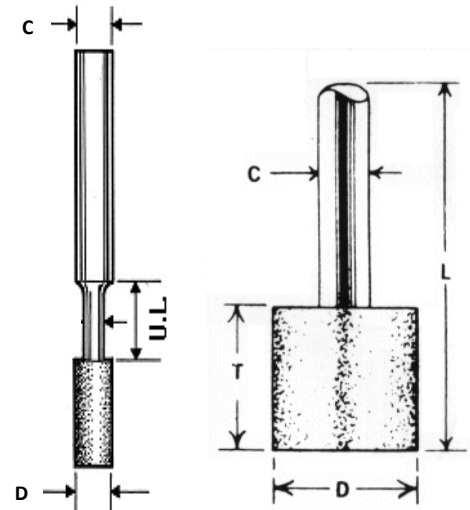
Internal Bonded DIAMOND Wheels

TYPE DW8 STRAIGHT WHEEL – CARBIDE MANDREL DIAMOND THROUGHOUT

GRIT SIZE	WHEEL NO.	D	T	C	L	STYLE	VM/METAL BOND NET PRICE	RESIN BOND NET PRICE
180	10	.030 to .048	3/32	1/8	1-1/2	A	\$31.00	N/A
180	11	.049 to .080	3/32	1/8	1-1/2	A	\$28.25	N/A
180	12	.081 to .090	1/8	1/8	1-1/2	A	\$29.00	N/A
180	13	3/32	1/8	1/8	1-1/2	A	\$28.25	\$28.00
180	14	3/32	3/16	3/32	2	A	\$29.50	\$28.00
180	15	.115	3/16	3/32	2	B	\$29.75	\$28.00
180	15-X	.109	3/16	1/8	2	A	\$30.25	\$28.00
180	16	1/8	3/16	3/32	2	B	\$27.25	\$25.00
180	17	1/8	1/4	3/32	2	B	\$28.25	\$26.50
180	18	1/8	1/4	1/8	2	A	\$31.25	\$29.50
180	19	5/32	3/16	3/32	2	B	\$27.50	\$25.25
180	20	5/32	1/4	1/8	2	B	\$29.25	\$26.75
180	21	3/16	1/8	1/8	2	B	\$26.75	\$25.00
180	22	3/16	3/16	1/8	2	B	\$29.00	\$25.50
180	23	3/16	1/4	1/8	2	B	\$30.25	\$27.50
180	24	3/16	1/4	3/16	2-1/2	A	\$35.00	\$31.50
150	25	1/4	1/8	1/8	2	B	\$29.00	\$26.75
150	25-X	7/32	1/4	1/8	2	B	\$31.75	\$29.00
150	25-XX	7/32	1/4	3/16	2-1/2	B	\$36.25	\$33.00
150	26	1/4	1/4	1/8	2	B	\$32.50	\$30.00
150	27	1/4	1/4	3/16	2-1/2	B	\$37.00	\$34.00
150	28	1/4	1/4	1/4	2-1/2	A	\$40.75	\$38.50
150	29	9/32	1/4	1/8	2	B	\$36.00	\$31.00
150	30	9/32	1/4	3/16	2-1/2	B	\$37.50	\$35.00
150	31	5/16	1/4	3/16	2-1/2	B	\$40.25	\$40.50
150	32	5/16	5/16	3/16	2-1/2	B	\$44.00	\$44.75
150	32-X	5/16	5/16	1/4	2-1/2	B	\$48.00	\$48.75
150	33	3/8	1/8	3/16	2-1/2	B	\$37.00	\$36.25
150	33-X	11/32	5/16	3/16	2-1/2	B	\$47.75	\$46.75
100	34	3/8	1/4	3/16	2-1/2	B	\$45.25	\$41.25
100	35	3/8	3/8	3/16	2-1/2	B	\$49.00	\$44.50
100	36	3/8	3/8	1/4	2-1/2	B	\$52.50	\$49.00
100	37	1/2	1/2	3/16	2-1/2	B	\$45.50	\$40.50
100	37-X	7/16	3/8	1/4	2-1/2	B	\$61.00	\$55.50
100	38	1/2	1/4	3/16	2-1/2	B	\$52.00	\$46.25
100	39	1/2	3/8	1/4	2-1/2	B	\$64.00	\$60.00
100	40	1/2	1/2	1/4	2-1/2	B	\$72.50	\$69.00
100	41	5/8	1/4	1/4	2-1/2	B	\$68.50	\$59.75
100	41-X	9/16	3/8	1/4	2-1/2	B	\$77.50	\$66.75
100	42	5/8	3/8	1/4	2-1/2	B	\$81.50	\$71.75
100	43	3/4	1/4	1/4	2-1/2	B	\$90.75	\$81.25
100	44	3/4	3/8	1/4	2-1/2	B	\$109.25	\$94.25
100	45	1	1/4	1/4	2-1/2	B	\$133.75	\$107.75
100	46	1	3/8	1/4	2-1/2	B	\$159.50	\$127.25
100	47	1	3/8	3/8	3	B	\$178.75	\$143.00

GRIT SIZE	WHEEL NO.	D	T	C	L	STYLE	VM/METAL BOND NET PRICE
220	300	1/4	7/16	1/8	2	C	\$43.75
150	301	3/8	1/2	3/16	2	C	\$52.00
150	302	1/2	5/8	1/4	2	C	\$75.25
100	303	5/8	11/16	1/4	2	C	\$107.75

Style Selection



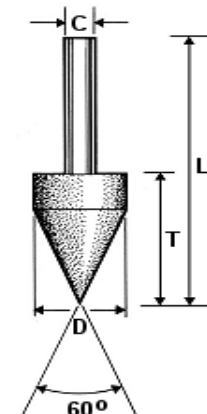
STYLE "A"

STYLE "B"

IMPORTANT: WHEN ORDERING...

- Wheel # 10 thru 12 – specify wheel diameter.
- Shaded area mandrels are larger than wheel diameters. Undercuts are usually required. (Example at right). Caution: For maximum strength, the length of the undercut should be as short as possible.
- Special Mandrel sizes and wheel shapes can be provided according to your specifications, for a minimum charge.
- On one order totaling \$1,000.00 or more, a 5% discount applies.
- Grit sizes shown are standard. 60–500 grit sizes furnished on standard wheels at no additional cost. Additional grit sizes available. Prices on request.

STYLE "C"



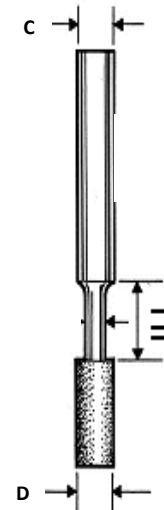
Internal Bonded BORAZON Wheels

TYPE BW8 STRAIGHT WHEEL – CARBIDE MANDREL BORAZON THROUGHOUT

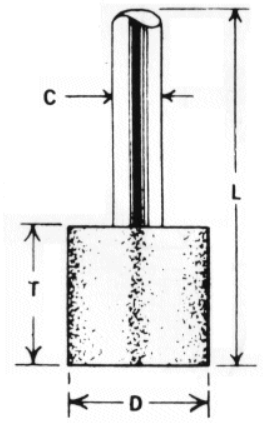
GRIT SIZE	WHEEL NO.	D	T	C	L	STYLE	VM/METAL BOND NET PRICE	RESIN BOND NET PRICE
180	110	.030 to .048	3/32	1/8	1-1/2	A	\$31.00	N/A
180	110-XX	.026 to .029	3/32	1/8	1-1/2	A	\$32.75	N/A
180	111	.049 to .080	3/32	1/8	1-1/2	A	\$28.00	N/A
180	112	.081 to .090	1/8	1/8	1-1/2	A	\$28.75	N/A
180	113	3/32	1/8	1/8	1-1/2	A	\$28.00	\$27.75
180	114	3/32	3/16	3/32	2	A	\$29.75	\$27.75
150	115	.115	3/16	3/32	2	B	\$29.75	\$27.75
150	115-X	.109	3/16	1/8	2	A	\$30.00	\$28.00
150	116	1/8	3/16	3/32	2	B	\$27.00	\$25.00
150	117	1/8	1/4	3/32	2	B	\$28.75	\$26.50
150	118	1/8	1/4	1/8	2	A	\$31.25	\$29.50
150	119	5/32	3/16	3/32	2	B	\$28.75	\$25.25
150	120	5/32	1/4	1/8	2	B	\$29.00	\$26.75
150	121	3/16	1/8	1/8	2	B	\$27.00	\$25.00
150	122	3/16	3/16	1/8	2	B	\$28.50	\$25.50
150	123	3/16	1/4	1/8	2	B	\$30.50	\$27.50
150	124	3/16	1/4	3/16	2-1/2	A	\$34.50	\$31.50
150	125	1/4	1/8	1/8	2	B	\$29.50	\$26.75
150	125-X	7/32	1/4	1/8	2	B	\$32.50	\$29.00
150	125-XX	7/32	1/4	3/16	2-1/2	B	\$36.50	\$33.00
150	126	1/4	1/4	1/8	2	B	\$33.75	\$29.75
150	127	1/4	1/4	3/16	2-1/2	B	\$37.50	\$33.75
150	128	1/4	1/4	1/4	2-1/2	A	\$40.50	\$38.50
150	129	9/32	1/4	1/8	2	B	\$36.50	\$31.00
150	130	9/32	1/4	3/16	2-1/2	B	\$37.25	\$35.00
150	131	5/16	1/4	3/16	2-1/2	B	\$43.00	\$42.50
150	132	5/16	5/16	3/16	2-1/2	B	\$47.25	\$46.75
150	132-X	5/16	5/16	1/4	2-1/2	B	\$51.25	\$50.75
150	133	3/8	1/8	3/16	2-1/2	B	\$37.50	\$36.00
150	133-X	11/32	5/16	3/16	2-1/2	B	\$49.25	\$46.75
100	134	3/8	1/4	3/16	2-1/2	B	\$45.75	\$41.25
100	135	3/8	3/8	3/16	2-1/2	B	\$48.00	\$44.50
100	136	3/8	3/8	1/4	2-1/2	B	\$52.00	\$49.00
100	137	1/2	1/2	1/4	2-1/2	B	\$48.75	\$44.75
100	137-X	7/16	3/8	1/4	2-1/2	B	\$61.75	\$59.50
100	138	1/2	1/4	1/4	2-1/2	B	\$56.00	\$51.50
100	139	1/2	3/8	1/4	2-1/2	B	\$69.00	\$66.50
100	140	1/2	1/2	1/4	2-1/2	B	\$79.25	\$76.75
100	141	5/8	1/4	1/4	2-1/2	B	\$77.75	\$72.25
100	141-X	9/16	3/8	1/4	2-1/2	B	\$81.50	\$78.50
100	142	5/8	3/8	1/4	2-1/2	B	\$87.25	\$86.50
100	143	3/4	1/4	1/4	2-1/2	B	\$101.25	\$94.75
100	144	3/4	3/8	1/4	2-1/2	B	\$118.75	\$110.50
100	145	1	1/4	1/4	2-1/2	B	\$146.50	\$125.00
100	146	1	3/8	1/4	2-1/2	B	\$177.00	\$151.25
100	147	1	3/8	3/8	3	B	\$194.75	\$167.75

GRIT SIZE	WHEEL NO.	D	T	C	L	STYLE	VM/METAL BOND NET PRICE
220	1300	1/4	7/16	1/8	2	C	\$43.50
150	1301	3/8	1/2	3/16	2	C	\$52.75
150	1302	1/2	5/8	1/4	2	C	\$80.50
100	1303	5/8	11/16	1/4	2	C	\$115.25

Style Selection



STYLE "A"

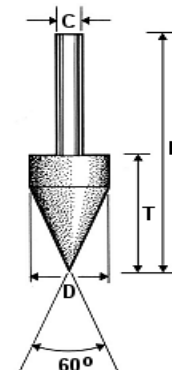


STYLE "B"

IMPORTANT: WHEN ORDERING...

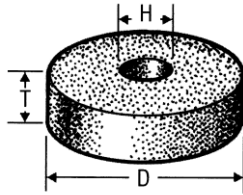
1. Wheel # 110 thru 112 – specify wheel diameter.
2. Shaded area mandrels are larger than wheel diameters. Undercuts are usually required. (Example at right.) CAUTION: For maximum strength the length of the undercut should be as short as possible.
3. Special mandrel sizes and wheel shapes can be provided according to your specifications, for a minimum charge.
4. On one order totaling \$1,000.00 or more, a 5% discount applies.
5. Grit sizes shown are standard. 60–500 grit sizes furnished on standard wheels at no additional cost. Additional grit sizes available. Prices on request.

STYLE "C"



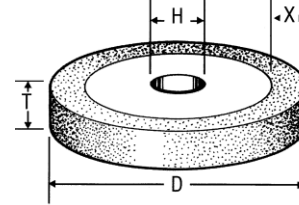
DIAMOND 1A8'S AND 1A1 STYLE WHEELS

1A8 STYLE DIAMOND SOLID THROUGHOUT



GRIT SIZE	WHEEL NO.	D	T	H	VM/METAL BOND NET PRICE	RESIN BOND NET PRICING
150	200	1/4	1/4	1/8	\$36.25	\$34.75
150	201	5/16	1/4	1/8	\$36.75	\$35.50
100	202	3/8	1/4	1/8	\$42.00	\$39.25
100	203	3/8	3/8	1/8	\$50.25	\$47.00
100	204	1/2	1/4	1/8	\$46.75	\$42.75
100	205	1/2	3/8	1/4	\$56.25	\$51.25
100	206	1/2	1/2	1/4	\$65.50	\$60.00
100	207	5/8	1/4	1/4	\$61.75	\$55.00
100	208	5/8	3/8	1/4	\$74.00	\$66.00
100	209	5/8	1/2	1/4	\$86.50	\$77.00
100	210	3/4	1/4	1/4	\$70.00	\$61.00
100	211	3/4	3/8	1/4	\$84.00	\$73.50
100	212	1	1/4	1/4	\$109.00	\$100.25
100	213	1	3/8	1/4	\$129.50	\$116.75
100	214	1-1/4	3/8	3/8	\$199.00	\$158.50
100	215	1-1/2	3/8	3/4	\$216.25	\$170.50

1A1 STYLE DIAMOND SECTION WHEEL



GRIT	WHEEL NO.	D	T	X	H MAX	RESIN BOND NET PRICING
100	501	3/4	1/4	1/8	3/8	\$73.50
100	502	1	1/4	1/8	1/2	\$85.75
100	503	1	3/8	1/8	1/2	\$97.50
100	504	1-1/4	1/4	1/8	3/4	\$94.50
100	505	1-1/4	3/8	1/8	3/4	\$108.50
100	506	1-1/4	3/8	1/4	1/2	\$118.75
100	507	1-1/2	1/4	1/8	1	\$107.00
100	508	1-1/2	1/4	1/4	3/4	\$116.00
100	509	1-1/2	3/8	1/8	1	\$122.50
100	510-X	1-3/4	1/4	1/8	1-1/4	\$117.25
100	511	2	1/4	1/8	1-1/2	\$122.25
100	512	2	1/4	1/4	1-1/4	\$132.75
100	513	2	3/8	1/8	1-1/2	\$137.75
100	514-X	2-1/2	1/4	1/8	2	\$143.50
100	515	3	1/4	1/8	2-1/2	\$158.25
100	516	3	1/4	1/4	2-1/4	\$177.00
100	517	3	3/8	1/8	2-1/2	\$181.50

BORAZON 1A8'S AND 1A1 STYLE WHEELS

1A8 STYLE BORAZON SOLID THROUGHOUT

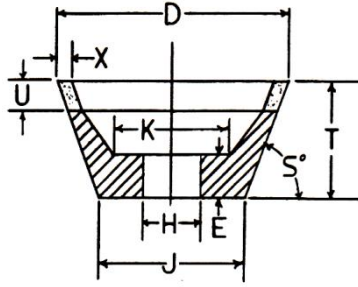
GRIT SIZE	WHEEL NO.	D	T	H	VM/METAL BOND NET PRICE	RESIN BOND NET PRICING
150	1200	1/4	1/4	1/8	\$36.25	\$35.25
150	1201	5/16	1/4	1/8	\$37.50	\$36.75
100	1202	3/8	1/4	1/8	\$43.25	\$41.25
100	1203	3/8	3/8	1/8	\$52.00	\$49.50
100	1204	1/2	1/4	1/8	\$50.00	\$46.50
100	1205	1/2	3/8	1/4	\$60.00	\$55.50
100	1206	1/2	1/2	1/4	\$70.00	\$65.00
100	1207	5/8	1/4	1/4	\$67.50	\$61.00
100	1208	5/8	3/8	1/4	\$81.00	\$73.25
100	1209	5/8	1/2	1/4	\$94.50	\$85.25
100	1210	3/4	1/4	1/4	\$79.00	\$69.00
100	1211	3/4	3/8	1/4	\$94.75	\$82.75
100	1212	1	1/4	1/4	\$126.50	\$113.00
100	1213	1	3/8	1/4	\$148.50	\$132.75
100	1214	1-1/4	3/8	3/8	\$232.75	\$189.75
100	1215	1-1/2	3/8	3/4	\$266.50	\$214.50

1A1 STYLE BORAZON SECTION WHEEL

GRIT	WHEEL NO.	D	T	X	H MAX	RESIN BOND NET PRICING
100	1501	3/4	1/4	1/8	3/8	\$77.50
100	1502	1	1/4	1/8	1/2	\$91.50
100	1503	1	3/8	1/8	1/2	\$106.50
100	1504	1-1/4	1/4	1/8	3/4	\$102.75
100	1505	1-1/4	3/8	1/8	3/4	\$105.50
100	1506	1-1/4	3/8	1/4	1/2	\$138.50
100	1507	1-1/2	1/4	1/8	1	\$116.25
100	1508	1-1/2	1/4	1/4	3/4	\$133.00
100	1509	1-1/2	3/8	1/8	1	\$136.25
100	1510-X	1-3/4	1/4	1/8	1-1/4	\$128.50
100	1511	2	1/4	1/8	1-1/2	\$134.50
100	1512	2	1/4	1/4	1-1/4	\$153.25
100	1513	2	3/8	1/8	1-1/2	\$154.75
100	1514-X	2-1/2	1/4	1/8	2	\$157.75
100	1515	3	1/4	1/8	2-1/2	\$175.75
100	1516	3	1/4	1/4	2-1/4	\$208.75
100	1517	3	3/8	1/8	2-1/2	\$207.50

Internal Bonded DIAMOND & BORAZON

11V9 STYLE Resin bond Wheels



DIAMOND WH. NO.	DIAMOND PRICE	D	T	X	H	E	K	U	J	S	BORAZON WH. NO	CBN WHEEL PRICE
DV1	\$105.00	1	5/8	1/8	1/4	1/4	1/2	1/4	9/16	70°	AV1	\$106.25
DV2	\$146.25	1-1/2	7/8	1/8	3/8	3/8	.780	1/4	7/8	70°	AV2	\$148.75
DV3	\$176.75	2	1	1/8	1/2	3/8	1-1/8	1/4	1-1/4	70°	AV3	\$180.50

Internal DIAMOND & BORAZON

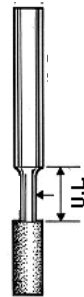
Plated on Carbide

DIAMOND NET PRICE	DIAMOND NO.	D	T	C	L	GRIT SIZE	U.L.	STYLE	BORAZON NO.	BORAZON NET PRICE
\$36.25	D030PC	.030	3/32	1/8	2	180	1/8	A	A030PC	\$36.25
\$35.75	D035PC	.035	3/32	1/8	2	180	1/8	A	A035PC	\$35.75
\$34.50	D040PC	.040	3/32	1/8	2	180	1/8	A	A040PC	\$34.50
\$34.25	D045PC	.045	3/32	1/8	2	180	1/8	A	A045PC	\$34.25
\$34.00	D050PC	.050	3/32	1/8	2	150	1/8	A	A050PC	\$34.00
\$34.00	D060PC	.060	3/32	1/8	2	150	1/8	A	A060PC	\$34.00
\$34.75	D070PC	.070	1/8	1/8	2-1/2	150	1/8	A	A070PC	\$34.75
\$35.00	D080PC	.080	1/8	1/8	2-1/2	150	1/8	A	A080PC	\$35.00
\$35.00	D090PC	.090	1/8	1/8	2-1/2	150	1/8	A	A090PC	\$35.00
\$36.25	D100PC	.100	1/4	1/8	2-1/2	100	1/8	A	A100PC	\$36.25
\$36.75	D125PC	1/8	1/4	1/8	2-1/2	100	1/8	A	A125PC	\$36.75
\$36.75	D156PC	5/32	1/4	1/8	2-1/2	100	-	B	A156PC	\$36.75
\$36.75	D187PC	3/16	1/4	1/8	2-1/2	100	-	B	A187PC	\$36.75
\$39.75	D187PCX	3/16	1/4	3/16	3	100	1/8	A	A187PCX	\$39.75
\$40.25	D250PC	1/4	1/4	1/8	2-1/2	100	-	B	A250PC	\$40.25
\$43.25	D250PCX	1/4	1/4	3/16	3	100	-	B	A250PCX	\$43.25
\$49.00	D250PCXX	1/4	1/4	1/4	3	100	1/8	A	A250PCXX	\$49.00
\$53.00	D312PC	5/16	3/8	1/4	3	100	-	B	A312PC	\$53.00
\$57.75	D375PC	3/8	3/8	1/4	3	100	-	B	A375PC	\$57.75
\$64.25	D500PC	1/2	3/8	1/4	3	80	-	B	A500PC	\$64.25
\$87.25	D500PCX	1/2	3/8	3/8	3-1/2	80	-	B	A500PCX	\$87.25
\$73.00	D625PC	5/8	3/8	1/4	3	80	-	B	A625PC	\$73.00
\$95.75	D625PCX	5/8	3/8	3/8	3-1/2	80	-	B	A625PCX	\$95.75
\$78.75	D750PC	3/4	3/8	1/4	3	80	-	B	A750PC	\$78.75
\$101.50	D750PCX	3/4	3/8	3/8	3-1/2	80	-	B	A750PCX	\$101.75
\$98.00	D1000PC	1	3/8	1/4	3	80	-	B	A1000PC	\$98.00
\$121.00	D1000PCX	1	3/8	3/8	3-1/2	80	-	B	A1000PCX	\$121.00

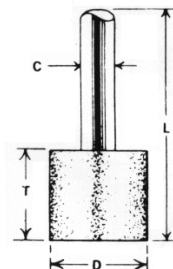
U.L. TO BE SPECIFIED.

PRICES MAY VARY DEPENDING ON U.L.

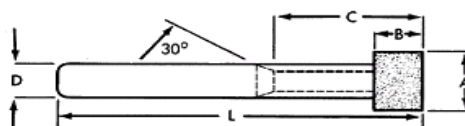
STYLE "A"



STYLE "B"



T.J.MARTIN COMPANY STANDARD PLATED STEEL SHANK MANDRELS

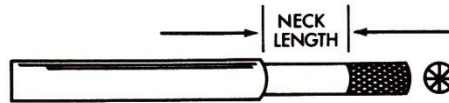


DIAMOND NET PRICE	DIAMOND NO.	A	B	D	L	GRIT SIZE	C	BORAZON NO.	BORAZON NET PRICE
\$10.00	DM 020	.020	.060	.125	2-1/4	220	1/8	BM 020	\$10.00
\$10.00	DM 025	.025	.080	.125	2-1/4	220	1/4	BM 025	\$10.00
\$10.00	DM 030	.030	.080	.125	2-1/4	220	1/4	BM 030	\$10.00
\$10.00	DM 030L	.035	.120	.125	2-1/4	220	11/32	BM 030L	\$11.00
\$11.00	DM040	.040	.120	.125	2-1/4	220	1/4	BM040	\$11.00
\$11.50	DM040L	.040L	.120	.125	2-1/4	220	3/8	BM040L	\$11.50
\$11.50	DM 050	.050	.120	.125	2-1/4	220	1/2	BM 050	\$11.50
\$12.00	DM 050S	.050S	.120	.125	2-1/4	220	3/8	BM 050S	\$12.00
\$12.00	DM 060	.060	.160	.125	2-1/4	100	1/2	BM 060	\$12.00
\$12.00	DM 070	.070	.160	.125	2-1/4	100	1/2	BM 070	\$12.00
\$12.00	DM 080	.080	.160	.125	2-1/4	100	1/2	BM 080	\$12.50
\$13.00	DM 090	.090	.160	.125	2-1/4	100	1/2	BM 090	\$13.00
\$13.00	DM 100	.100	.160	.125	2-1/4	100	1/2	BM 100	\$13.00
\$14.00	DM 110	.110	.160	.125	2-1/4	100	5/8	BM 110	\$14.00
\$14.00	DM 120	.120	.160	.125	2-1/4	100	5/8	BM 120	\$14.00
\$15.00	DM 135	.135	.200	.125	2-1/4	100	-	BM 135	\$15.00
\$18.00	DM 160	.160	.200	.125	2-1/4	100	-	BM 160	\$18.00
\$21.50	DM 187	.187	.250	.125	2-1/4	100	-	BM 187	\$21.50
\$23.00	DM 200	.200	.315	.250	3	100	7/8	BM 200	\$23.00
\$23.50	DM 235	.235	.315	.250	3	100	7/8	BM 235	\$23.50
\$25.50	DM 275	.275	.375	.250	3	100	-	BM 275	\$25.50
\$26.50	DM 335	.335	.375	.250	3	100	-	BM 335	\$26.50
\$27.00	DM 375	.375	.375	.250	3	100	-	BM 375	\$27.00
\$32.50	DM 400D	.400	.375	.375	3-1/2	100	-	BM 400D	\$32.50
\$41.00	DM 500D	.500	.500	.375	3	100	-	BM 500D	\$44.00
\$41.00	DM 500DL	.500	.500	.375	3	100	-	BM 500DL	\$44.00
\$45.75	DM 625D	.625	.500	.375	3	100	-	BM 625D	\$48.50
\$49.25	DM 750D	.750	.500	.375	3	100	-	BM 750D	\$57.50
\$76.00	DM 1000D	1.00	.500	.375	3	100	-	BM 1000D	\$79.00

ITEM NO.	T. J. 60 SERIES 60/80 GRIT CBN ONLY					PRICE NET
	A	B	C	D	L	
TJ 250	.250	9/32	1"	.250	3	\$31.00
TJ312	.312	5/16	----	.250	3	\$33.00
TJ 375	.375	3/8	1"	.375	3-1/2	\$40.00
TJ 500	.500	3/8	---	.375	3-1/2	\$59.50
TJ 625	.625	3/8	---	.375	3-1/2	\$74.50
TJ750	.750	3/8	---	.375	3-1/2	\$81.75
TJ 1000	1.000	3/8	---	.375	3-1/2	\$89.50

ITEM NO.	60/80 GRIT BOTTOM GRINDING CBN ONLY					PRICE NET
	A	B	C	D	L	
TJB 275	.275	---	---	.250	2-1/2	\$44.25
TJB 400	.400	---	---	.375	3	\$47.00
TJB 500	.500	---	---	.375	3	\$71.00
TJB 750	.750	---	---	.375	3	\$95.25

SOLID CARBIDE INTERNAL GRINDING TOOLS



Tool Number	Dimensions in Inches					Price Each
	Diameter of Head	Length of Head	Shank Diameter	Neck Length	Overall Length	
CB 030	.030	3/32	1/8	1/8	1-1/2	\$18.50
CB 040	.040	3/32	1/8	3/16	1-1/2	\$17.75
CB 050	.050	1/8	1/8	1/4	1-1/2	\$17.25
CB 062	1/16	1/8	1/8	3/8	1-1/2	\$17.25
CB 078	5/64	5/32	1/8	3/8	1-1/2	\$17.25
CB 093	3/32	5/32	1/8	3/8	1-1/2	\$17.25
CB 110	7/64	3/16	1/8	1/2	1-1/2	\$18.75
CB 125	1/8	3/16	1/8	1/2	1-1/2	\$18.25
CB 141	9/64	7/32	3/16	5/8	2	\$20.75
CB 156	5/32	7/32	3/16	5/8	2	\$20.75
CB 172	11/64	1/4	3/16	5/8	2	\$20.75
CB 187	3/16	1/4	3/16	5/8	2	\$21.00
CB 203	13/64	9/32	1/4	3/4	2	\$25.25
CB 218	7/32	9/32	1/4	3/4	2	\$25.25
CB 235	15/64	5/16	1/4	3/4	2	\$25.25
CB 250	1/4	5/16	1/4	3/4	2	\$26.00
CB 281	9/32	11/32	1/4	—	2-1/2	\$48.50
CB 312	5/16	11/32	1/4	—	2-1/2	\$48.50
CB 343	11/32	3/8	1/4	—	2-1/2	\$51.50
CB 375	3/8	3/8	1/4	—	2-1/2	\$60.25
CB 500D	1/2	3/8	3/8	—	3-1/2	\$82.75

Regularly furnished with standard diamond pattern on O.D. and with end cutting teeth.

Tools are solid carbide one piece construction.

Tools are ground from a tungsten of carbide designed especially to grind mold & die steels up to C60 rockwell hardness.

Stock tools have end cutting teeth at no extra charge.

Tolerance: Shank Diameter + .000" – .0005";
Head Diameter + .002" – .000"

Shipment: From Stock – F.O.B. Orland Park, Illinois

Terms of Payment: 1% 10 Net 30 Days

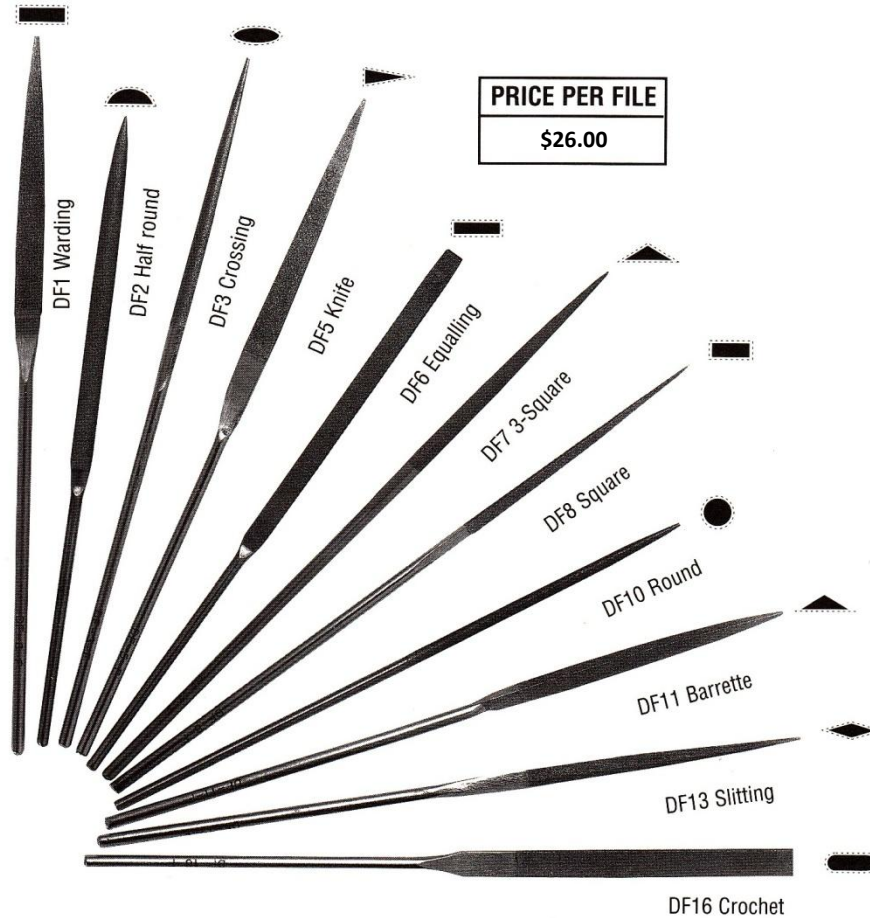
QUANTITY DISCOUNTS ON ASSORTED SIZES

(Include Borazon and Diamond Mandrels and Carbide Internal Grinding Tools)

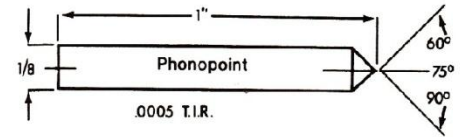
24-47 tools – 5%; 48 – 71 tools – 10%; 72 or more tools – 15%

Normal re-sharpening of larger tools at 20% and smaller tools at 30% of new tool price. Reworking and/or longer than normal neck length at 40% to 50% of new tool price.

DIAMOND PLATED NEEDLE FILES



PHONOPPOINT DIAMOND TOOLS



Phonopoint diamonds are small cone shaped tools used for forming small fine grained grinding wheels.

DIAMOND TOOLS For Fine Radius Forming

TOOL NUMBER	PRICE EACH
°860 (60°)	\$10.50
12 Pcs.	\$10.25
24 Pcs.	\$9.75
48 Pcs.	\$9.25
°875 (75°)	\$8.50
12 Pcs.	\$8.35
24 Pcs.	\$8.05
48 Pcs.	\$7.80
°890 (90°)	\$7.75
12 Pcs.	\$7.60
24 Pcs.	\$7.35
48 Pcs.	\$7.10

T.J. Martin diamond plated needle files are high quality files made of hardened steel and manufactured to rigid specifications. These files are available in coarse (80/100), medium (140/170) and fine (200/230) grit sizes. They are made for long life and wear extremely well.

T.J. Martin diamond needle files can be used on carbide, hardened steel and ceramics.

**DESIGN YOUR OWN GRINDING WHEEL
AND FAX SPECIFICATIONS TO DIAGRIND**

FAX NO: 1-(708)-460-8842

Style A2 – Standard	Style A3 – Undercut Shank
Style A4 – Bottom Grind	Style A5 – Convex Radius
Style A6 – 1A8	Style A7 – 1A1
Style A8 – Cone	Style A9 – Concave Radius

WHEEL SELECTION CHECK LIST

"D"	"T"	"C"	"L"	"UL"	"A"	"R"	"LF"	"LD"

SPECIFY						
QTY	STYLE		DIAMOND	MESH SIZE	PLATED	VM
					RESIN	VITRIFIED
			CBN		METAL	

Bond Selection Guide

DIAMOND	VM Standard or Vitreous Metal Bond	CBN
Size Range: .020" - 1" Diameter Application: Grinding carbide Coolant: Synthetic coolant recommended on wheels 1/2" and larger. 20 to 1 ratio	*Grey in color *Cutting speed: 1,000 to 3,000 S.F.P.M. *Cannot be conventionally trued, wheels shipped ready to use *Wheels should be indicated within .0005" T.I.R. prior to grinding	Size Range: .020" to 1" Diameter Application: Grinding tool steels hardened 50 Rockwell "C" or above Coolant: Oil or water soluble oil recommended on wheels 1/2" or larger. 8 to 1 ratio
M Metal Bond	B Resin Bond	V Vitrified Bond
Size Range: .030" - 3" Diameter Application: Grinding ceramic and glass Coolant: Synthetic is recommended 20 to 1 ratio	*Bronze in color. *Cutting speed: 4,000 to 6,000 S.F.P.M. *Cannot be conventionally trued, wheels shipped ready to use *Wheels should be indicated within .0005" T.I.R. prior to grinding	Size Range: 3/32" to 3" Diameter Application: Grinding tool steels hardened 50 Rockwell "C" and above Coolant: May be used without, however, if desired, use oil or water soluble oil. 8 to 1 ratio
Size Range: 3/32" to 3" Application: Grinding carbide, glass or ceramics Coolant: Not required. However, if desired, synthetic coolant is recommended. 20 to 1 ratio	*Light Brown in color *Cutting Speed: 4,000 to 6,500 S.F.P.M. *Wheels are shipped ready to use *Wheels should be indicated within .0005" T.I.R. prior to grinding *May be trued with nibs designed for superabrasives followed by a dressing stick	Size Range: 1/8" to 2" Diameter Application: Grinding steel Coolant: Recommended for wheels over 1/2", use oil or water soluble oil 8 to 1 ratio
Size Range: 1/8" to 2" Diameter Application: Grinding carbide Coolant: Synthetic coolant recommended for wheels over 1/2". 20 to 1 ratio	*Dark Gray in color *Cutting speed: 4,000 to 6,000 S.F.P.M. *Wheels may be trued in the machine by cluster or impregnated diamond tools	Size Range: 1/8" to 2" Diameter Application: Grinding steel Coolant: Recommended for wheels over 1/2", use oil or water soluble oil 8 to 1 ratio
BM/DM Plated	Carbide Internal Grinding Tools	
Size Range: .015" to 3" Diameter Application: Grinding carbide, ceramics, glass, fiberglass, and abrasive composites. Coolant: May be used without coolant, if desired synthetic coolant is recommended.	*Metallic gray to shiny silver in color *Cutting speed: 4,000 to 6,000 S.F.P.M. *Single layer plated products.... cannot be trued *Should be indicated within .0005 T.I.R. prior to grinding	Size Range: .015" to 3" Diameter Application: Grinding stainless steel, exotic super-alloys, and tool and die steels hardened 55 Rockwell "C" or above Coolant: May be used without coolant, if desired oil or water soluble oil is recommended.

Carbide Internal Grinding Tools

- *Solid carbide burr with diamond cut pattern and end cutting teeth
- *Designed to machine mold and die steel hardened up to 60 Rockwell "C"
- *Cutting speed: 1,000 to 3,000 S.F.P.M. (One and one half faster for stainless steel)
- *Shipped ready to use; should be indicated within .0005" T.I.R. prior to machining.
- *May be used without coolant. If desired, use a synthetic coolant.