

ABRASIVES BELTS

SERIES 900:

SPEC CHECK

Starting Recommendations		
Material	Heavy Duty	General Duty
Aluminum	YP 1186 W	XC0877
Cast Iron	YP 2586 W	YP 1186 W
Brass/Bronze	YP 1186 W	
Die Castings	YP 2586 W	XC 0877
Carbon Steel	YP 2586 W	YP 1186 W, XC 0877
Stainless Steel & Alloys	YP 2586 W	YP 1186 W, XC 0877
Recommended Grit Selection		
Rough/Heavy Duty 24-50	Intermediate 60-100	Finishing/Polishing 120-180

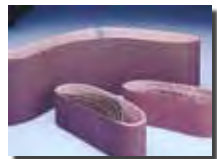
ALUMINUM OXIDE
RESIN CLOTH

STATIONARY BELTS

SERIES 900:

Application:

Ideal for operation on sanders requiring a belt specification that does not generate heat, but is capable of sanding a variety of materials. Closed coat for fast metal removal.



Size	Order No.	Grading	Price Each
1" x 42"	10118*	P120 XC 0877	
	10114	P100 XC 0877	
	10113	P80 XC 0877	
	9010112	P60 XC 0877	
	10109	P40 XC 0877	
2" x 48"	10133	P120 XC 0877	
	10132	P100 XC 0877	
	10128	P80 XC 0877	
	10127	P60 XC 0877	
	9010124	P50 XC 0877	
	10123*	P36 XC 0877	
6" x 48"	10161	P120 XC 0877	
	9010160	P100 XC 0877	
	9010159	P80 XC 0877	
	10158	P60 XC 0877	
	10154	P50 XC 0877	
	9010153	P36 XC 0877	

Package: 10 Belts Per PKG.

ALUMINUM OXIDE RESIN CLOTH

PORTABLE FILE BELTS

SERIES 900:

Application:

Designed for all metalworking finishing and contour and shape sanding applications requiring flexibility and fray resistance. Ideal for portable file sanders.



Size	Order No.	Grading	Price Each
1/4" x 24"	62864*	P80 XB 0967ns	
	62863	P60 XB 0967	
3/8" x 13"	62867	P80 XB 0967	
	62866	P60 XB 0967	
1/2" x 12"	62872	P120 XB 0967	
	62870	P80 XB 0967	
	62869	P60 XB 0967	
1/2" x 18"	62874	P80 XB 0967	
	62873	P60 XB 0967	
1/2" x 24"	62882	P120 XB 0967	
	62881	P100 XB 0967	
	62880	P80 XB 0967	
	62879	P60 XB 0967	
	62877	P40 XB 0967	
3/4" x 18"	62887	P120 XB 0967	
	62886	P80 XB 0967	
	62885	P60 XB 0967	
	62883	P40 XB 0967	
	62893	P120 XB 0967	
3/4" x 20-1/2"	62891	P80 XB 0967	
	62890	P60 XB 0967	
	62888	P40 XB 0967	
	62896	P120 XB 0967	
1" x 30"	62895	P80 XB 0967	
	62894	P60 XB 0967	

Package: 50 Belts Per PKG.

ALUMINUM OXIDE

ABRASIVE BELTS

SERIES 190:

Packaging: 10 Belts per sleeve



MEGA
Superior Import

Width x Length	Grit	Order No.	Price	Width x Length	Grit	Order No.	Price
1x42"	40	4650040		3x24"	40	4658040	
1x42	50	4650050		3x24	50	4658050	
1x42	60	4650060		3x24	60	4658060	
1x42	80	4650080		3x24	80	4658080	
1x42	100	4650100		3x24	100	4658100	
1x42	120	4650120		3x24	120	4658120	
1x42	150	4650150		4x36"	40	4653040	
1x42	180	4650180		4x36	50	4653050	
1x42	240	4650240		4x36	60	4653060	
1x42	320	4650320		4x36	80	4653080	
2x48"	40	4651040		4x36	100	4653100	
2x48	50	4651050		4x36	120	4653120	
2x48	60	4651060		4x36	150	4653150	
2x48	80	4651080		4x36	180	4653180	
2x48	100	4651100		4x36	240	4653240	
2x48	120	4651120		4x36	320	4653320	
2x48	150	4651150		6x48"	40	4654040	
2x48	180	4651180		6x48	50	4654050	
2x48	240	4651240		6x48	60	4654060	
2x48	320	4651320		6x48	80	4654080	
2-1/2 x 60	40	4652040		6x48	100	4654100	
2-1/2 x 60	50	4652050		6x48	120	4654120	
2-1/2 x 60	60	4652060		6x48	150	4654150	
2-1/2 x 60	80	4652080		6x48	180	4654180	
2-1/2 x 60	100	4652100		6x48	240	4654240	
2-1/2 x 60	120	4652120		6x48	320	4654320	
2-1/2 x 60	150	4652150		6x54"	40	4655040	
2-1/2 x 60	180	4652180		6x54	50	4655050	
2-1/2 x 60	240	4652240		6x54	60	4655060	
2-1/2 x 60	320	4652320		6x54	80	4655080	
3x21"	40	4657040		6x54	100	4655100	
3x21	50	4657050		6x54	120	4655120	
3x21	60	4657060		6x54	150	4655150	
3x21	80	4657080		6x54	180	4655180	
3x21	100	4657100		6x54	240	4655240	
3x21	120	4657120		6x54	320	4655320	

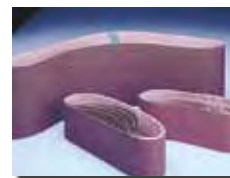
ALUMINUM OXIDE RESIN CLOTH

PORTABLE BELTS

SERIES 900:

Application:

Ideal for operation on sanders to sand metal and all types of wood.



CARBORUNDUM
ABRASIVES

Also available in
**PREMIER RED
ZIRCONIA ALUMINA
RESIN CLOTH**
material; please inquire

Size	Order No.	Grading	Price Each
3" x 21"	10751	P150 XC 0877 O	
	10752	P120 XC 0877 O	
	10753	P100 XC 0877 O	
	10754	P80 XC 0877 O	
	10757	P60 XC 0877 O	
	10758	P50 XC 0877 O	
	10759	P40 XC 0877 O	
	10763	P150 XC 0877 O	
	10766	P120 XC 0877 O	
	10767	P100 XC 0877 O	
10764	P80 XC 0877 O		

Package: 10 Belts Per PKG.

Size	Order No.	Grading	Price Each
3" x 24"	10771	P60 XC 0877 O	
	10769	P50 XC 0877 O	
	10772	P40 XC 0877 O	
	10773	P150 XC 0877 O	
4" x 24"	10774	P120 XC 0877 O	
	10777	P100 XC 0877 O	
	10775	P80 XC 0877 O	
	10778	P60 XC 0877 O	
	10779	P50 XC 0877 O	
	10781	P40 XC 0877 O	

ALUMINUM OXIDE CLOTH

ROLLS
SERIES 899:



Application:

Ideal for cleaning and deburring metal surfaces. May be used dry or with oil. Easily dispensed from the package. Cut or tear to desired length.

Size	Order No.	Grading	Price Each
1" x 10 Yards Handy Rolls	29311	P320 JCF 0852	
	29312	P240 JCF 0852	
	29313	P180 JCF0852	
	29314	P150 JCF 0852	
	29315	P120 JCF 0852	
	29316	P100 JCF 0852	
	29317	P80 JCF 0852	
1" x 50 Yards Economy Rolls	29318	P600 JCF 0852	
	29319	P400 JCF 0852	
	29320	P320 JCF 0852	
	29321	P280 JCF 0852	
	29322	P240 JCF 0852	
	29323	P220 JCF 0852	
	29324	P180 JCF 0852	
	29325	P150 JCF 0852	
	29326	P120 JCF 0852	
	29327	P100 JCF 0852	
	29328	P80 JCF 0852	
10141	P60 XC 0851		
1-1/2" x 50 Yards Economy Rolls	29329	P600 JCF 0852	
	29330	P400 JCF 0852	
	29331	P320 JCF 0852	
	29332	P280 JCF 0852	
	29333	P240 JCF 0852	
	29334	P220 JCF 0852	
	29335	P180 JCF 0852	
	29336	P150 JCF 0852	
	29337	P120 JCF 0852	
	29338	P100 JCF 0852	
	29339	P80 JCF 0852	
9910947	P60 XC 0851		
9910945	P50 XC 0851		
2" x 50 Yards Economy Rolls	29340	P600 JCF 0852	
	29341	P400 JCF 0852	
	29342	P320 JCF 0852	
	29343	P280 JCF 0852	
	29344	P240 JCF 0852	
	29345	P220 JCF 0852	
	29346	P180 JCF 0852	
	29347	P150 JCF 0852	
	29348	P120 JCF 0852	
	29349	P100 JCF 0852	
	29350	P80 JCF 0852	
9910340	P60 XC 0851		
11102	P50 XC 0851		
10585	P40 XC 0851		

Package: 1 Roll Per PKG.

ALUMINUM OXIDE CLOTH

SHOP ROLLS
SERIES 193:

50 YARD ROLLS



Width	Grit	Order No.	Price
1	40	4700140	
1	50	4700150	
1	60	4700160	
1	80	4700180	
1	100	4701100	
1	120	4701120	
1	150	4701150	
1	180	4701180	
1	220	4701220	
1	240	4701240	
1	280	4701280	
1	320	4701320	
1	400	4701400	

Width	Grit	Order No.	Price
1-1/2	40	4715040	
1-1/2	50	4715050	
1-1/2	60	4715060	
1-1/2	80	4715080	
1-1/2	100	4715100	
1-1/2	120	4715120	
1-1/2	150	4715150	
1-1/2	180	4715180	
1-1/2	220	4715220	
1-1/2	240	4715240	
1-1/2	280	4715280	
1-1/2	320	4715320	
1-1/2	400	4715400	

Width	Grit	Order No.	Price
2	40	4720040	
2	50	4720050	
2	60	4720060	
2	80	4720080	
2	100	4720100	
2	120	4720120	
2	150	4720150	
2	180	4720180	
2	220	4720220	
2	240	4720240	
2	280	4720280	
2	320	4720320	
2	400	4720400	

ALUMINUM OXIDE, RESIN BOND

**PRESSURE SENSITIVE
ABRASIVE (PSA) CLOTH
DISCS**

SERIES 721:



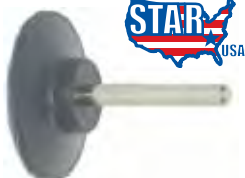
Grit	1" Diameter		1-1/2" Diameter		2" Diameter	
	Order No.	Price	Order No.	Price	Order No.	Price
40	7211010		7211011		7211012	
60	7211020		7211021		7211022	
80	7211030		7211031		7211032	
100	7211040		7211041		7211042	
	3" Diameter		5" Diameter		6" Diameter	
	Order No.	Price	Order No.	Price	Order No.	Price
40	7210003		7211014		7210015	
60	7210023		7211024		7210025	
80	7210033		7211034		7210035	
100	7210043		7211044		7210045	
	8" Diameter		9" Diameter		10" Diameter	
	Order No.	Price	Order No.	Price	Order No.	Price
40	7210006		7210007	\$10.60	7210008	\$8.65
60	7210026		7210027	\$9.95	7210028	\$8.65
80	7210036		7210037	\$9.40	7210038	\$8.65
100	7210046		7210047	\$9.40	7210048	\$8.65
	12" Diameter					
	Order No.	Price	Order No.	Price	Order No.	Price
40	7211019	\$8.65				
60	7211029	\$8.65				
80	7211039	\$8.65				
100	7211049	\$8.65				

Package Info:

1 - 3" Dia. - 100/PKG.
5 - 9" Dia. - 50/PKG.
10 & 12" Dia. - 25/PKG.

**PSA CLOTH
DISC HOLDERS**

SERIES 721:



Diameter	Shank Size	Order No.	Price
1	1/8	7211000	
1	1/4	7211001	
1-1/2	1/8	7211500	
1-1/2	1/4	7211501	
2	1/4	7212001	
3	1/4	7213001	
4	1/4	7214001	
4	3/8	7214002	



STICK-ON DISCS

SERIES 894:

SPEC CHECK

Starting Specification Recommendation			
Material	Best Performance	General Duty	
Unfinished Metal	E 1214 O, F0915	E 0912 O	
Primed & Painted Surfaces	B 0912 DO / B 0712 DO	C 0712 DO	
Fiberglass / Composites	B 0912 DO / B 0712 DO, E 1214 O	C 0712 DO, E 0912 O	
Bare Wood	B 0912 DO / B 0712 DO	C 0712 DO	
Sealer Sanding	B 0912 DO / B 0712 DO	B 0411 DO	
Paint Stripping	B 0912 DO / B 0712 DO, E 1214 O	C 0712 DO, E 0912 O	
Recommended Grit Selection			
Rough to Intermediate	Intermediate to Finishing	Fine Finishing	Ultra Fine Finishing
36-80	80-240	240-600	600-1200



PREMIER RED ALUMINUM OXIDE DRI-LUBE RESIN PAPER OPEN STICK-ON

Application: Best choice for sanding all paints, primers, plastics and fiberglass. Also suited for sealer and wash coats in wood furniture.

PREMIER RED ALUMINUM OXIDE RESIN PAPER STICK-ON

Application:

Ideally suited for weld blending, metal polishing and whitewood sanding, clean-up and repair.

Size	Order No.	Grading	Price Pkg.		
3 1/2" x 0" Link Disc Roll*	9920615	P400 B 0912 DO			
	20619	P220 B 0912 DO			
	20620	P180 B 0912 DO			
	9920623	P100 B 0912 DO			
	9920624	P80 B 0912 DO			
5" x 0" 100 Individual Discs	20291	P1500 B 0712 DO			
	20292	P1200 B 0712 DO			
	20293	P1000 B 0712 DO			
	18101	P800 B 0712 DO			
5" x 0" Link Disc Roll*	18104	P600 B 0912 DO			
	63779	P500 B 0912 DO			
	18105	P400 B 0912 DO			
	18106	P320 B 0912 DO			
	18107	P280 B 0712 DO			
	18108	P240 B 0912 DO			
	18109	P220 B 0912 DO			
	18110	P180 B 0912 DO			
	18111	P150 B 0712 DO			
	18112	P120 B 0912 DO			
	18113	P100 B 0912 DO			
	18114	P80 B 0912 DO			
	6" x 0" 100 Individual Discs	20294		P1500 B 0712 DO	
		20295		P1200 B 0712 DO	
20296		P1000 B 0712 DO			
6" x 0" Link Disc Roll*	18162	P800 B 0712 DO			
	18163	P600 B 0912 DO			
	18164	P400 B 0912 DO			
	18165	P320 B 0912 DO			
	18166	P280 B 0712 DO			
	18167	P240 B 0912 DO			
	18168	P220 B 0912 DO			
	18169	P180 B 0912 DO			
	18170	P150 B 0712 DO			
	18171	P120 B 0912 DO			
	18172	P100 B 0912 DO			
	18173	P80 B 0912 DO			
	8" x 0" Link Disc Rolls*	61102		P320 B 0912 DO	
		61105		P220 B 0912 DO	
61106		P180 B 0912 DO			
61108		P120 B 0912 DO			
61109		P100 B 0912 DO			
61110		P80 B 0912 DO			

*PKG. 100 Discs Per Roll

Size	Order No.	Grading	Price Pkg.
5" x 0" Link Disc Roll*	12552	P120 F 0915	
	12551	P100 F 0915	
	9912550	P80 F 0915	
	12549	P60 F 0915	
6" x 0" Link Disc Roll*	12557	P80 F 0915	
	12556	P60 F 0915	

*PKG. 100 Discs Per Roll

PREMIER RED ZIRCONIA ALUMINA RESIN PAPER OPEN STICK-ON

Application:

Best choice for stripping paint and rust, as well as blending welds.

Size	Order No.	Grading	Price Pkg.
6" x 0" 50 Individual Discs	21300	80 E 1214 O	
	21301	40 E 1214 O	
	9921302	36 E 1214 O	
8" x 0" 25 Individual Discs	21303	80 E 1214 O	
	9921304	40 E 1214 O	
	9921305	36 E 1214 O	

Types of Disc Packaging



STICK-ON DISCS

SERIES 894:

GOLD ALUMINUM OXIDE DRI-LUBE

RESIN PAPER OPEN STICK-ON

Application: Ideal for sanding paints, primers, plastics and fiberglass as well as whitewood sanding, clean-up and repair.

Size	Order No.	Grading	Price Pkg.
5" x 0" Link Disc Roll	10545	P400 C 0712DO	
	10546	P320 C 0712DO	
	10548	P240 C 0712DO	
	10549	P220 C 0712DO	
	10550	P180 C 0712DO	
	10552	P150 C 0712DO	
	10553	P120 C 0712DO	
	10554	P100 C 0712DO	
	10555	P80 C 0712DO	
	6" x 0" Link Disc Roll	10557	
10558		P320 C 0712DO	
10560		P240 C 0712DO	
10561		P220 C 0712DO	
10562		P180 C 0712DO	
10563		P150 C 0712DO	
10565		P120 C 0712DO	
10566		P100 C 0712DO	
10567	P80 C 0712DO		

PKG. 100 Discs Per Roll



SILICON CARBIDE DRI-LUBE PAPER OPEN STICK-ON

Application: Hand and machine sanding metal primer coats and finish coats. Also for whitewood between wash, sealer and lacquer coats.

Size	Order No.	Grading	Price Pkg.		
5" x 0" Link Disc Roll	10516	400 B 0411 DO			
	10517	320 B 0411 DO			
	10519	240 B 0411 DO			
	10520	220 B 0411 DO			
	10521	180 B 0411 DO			
	10522	150 B 0411 DO			
	10523	120 B 0411 DO			
	10525	100 B 0411 DO			
	10526	80 B 0411 DO			
	6" x 0" Link Disc Roll	10535*		320 B 0411 DO	
		10539		220 B 0411 DO	
		10540		180 B 0411 DO	
10542*		120 B 0411 DO			
10544		80 B 0411 DO			

PKG. 180 Grit and Finer: 250 Discs Per Roll
150 Grit and Coarser: 125 Discs Per Roll

ALUMINUM OXIDE RESIN CLOTH STICK-ON

Application:

Ideal for sanding all ferrous metals on stationary disc sanders.

GOLD ALUMINUM OXIDE RESIN PAPER OPEN STICK-ON

Application: Ideal for stripping all paints and rust, as well as blending welds.

Size	Order No.	Grading	Price Pkg.
6" x 0" Individual Discs	9912374	80 E 0912 O	
	12375	40 E 0912 O	
	12376	36 E 0912 O	
8" x 0" Individual Discs	12377	80 E 0912 O	
	9912378	40 E 0912 O	
	12379	36 E 0912 O	

PKG. 50 Discs Per Package

E-ZVIEW EDGER FLEX-LOC DISCS

SERIES 895:



ZIRCONIA ALUMINA RESIN FIBRE

Application: Ideal for heavy duty grinding of welds, gates, risers and parting lines on castings and carbon steels. Zirconia alumina is the best choice for nonferrous metals.

Size	Order No.	Grading	Price Pkg.
4-1/2" Discs 10 PER PKG.	63971	50 V 1247	
	63970	36 V 1247	
	63969	24 V 1247	
5" Discs 10 PER PKG.	62970	80 V 1247	
	62969	60 V 1247	
	62968	50 V 1247	
	62967	36 V1247	
7" Discs 10 PER PKG.	9963829	50 V 1247	
	9963828	36 V 1247	
	9963827*	24 V 1247	

ALUMINUM OXIDE FIBRATEX DISCS

Application: Delivers a consistent finish when used to clean, deburr, blend or finish all types of metal and plastic. Ideal for the removal of light oxides and coatings.

Size	Order No.	Grading	Price Pkg.
4-1/2" Discs 10 PER PKG.	63957	Very Fine Medium Coarse	
	63956		
	63955		
7" Discs 10 PER PKG.	63958	Very Fine Medium Coarse	
	63959		
	63960		

Size	Order No.	Grading	Price Pkg.
5" x 0" Individual Discs 50 PER PKG	20767	P80 XC 0877	
	20766	P50 XC 0877	
	20765	P36 XC 0877	
6" x 0" Individual Discs 50 PER PKG	20771	P120 XC 0877	
	20770	P80 XC 0877	
	20769	P60 XC 0877	
12" x 0" Individual Discs	62422	P40 XC 0877	
	17525*	P120 XC 0877	
	17524	P80 XC 0877	
	17523	P60 XC 0877	
	17522*	P50 XC 0877	
16" x 0" Individual Discs	17521	P36 XC 0877	
	62435	P80 XC 0877	
	62432*	P36 XC 0877	
20" x 0" Individual Discs	62443	P80 XC 0877	
	62441*	P50 XC 0877	
	62440	P36 XC 0877	

Pkg: 10 Discs Per Package for 12", 16", 20".

E-ZVIEW BACK-UP PADS

SERIES 898:



Specially designed mounting hole for easy alignment. Recessed lock-nut allows more disc to contact work surface. Special lock-nut automatically lines up disc with back-up pad. Easy, tool-free mounting.

Size	Order No.	Description	MAX RPM	Price Pkg.
4-1/2" E-ZView Back-up Pads	63976*	4-1/2 x 3/8"-24	13,000	
	63975	4-1/2 x 5/8"-11	13,000	
5" E-ZView Back-up Pads	963019	5 x 5/8"-11 Hard Density	13,000	
	63395	5 x 7/16"-20 - Pistol grip adapter	20,000	
7" E-ZView Back-up Pads	9963835	7 x 5/8"-11 - Hard Density	8,600	
	9963836	7 x 5/8"-11 Medium Density	8,600	

* LIMITED QUANTITY

GRIP-ON DISCS

SERIES 894:



PREMIER RED ALUMINUM OXIDE DRI-LUBE RESIN PAPER OPEN VACUUM STICK-ON DISCS

SERIES 894:



PREMIER RED ALUMINUM OXIDE DRI-LUBE RESIN PAPER OPEN

Application: Best choice for sanding all paints, primers, plastics and fiberglass. Also suited for sealer and wash-coats in wood furniture.

Size	Order No.	Grading	Price Pkg.
5" x 0" Individual Discs	20252	P1500 B 0712 DO	
	20253	P1200 B 0712 DO	
	9920254	P1000 B 0712 DO	
	9920255	P800 B 0712 DO	
	20256	P600 B 0712 DO	
	20257	P400 B 0912 DO	
	20258	P320 B 0912 DO	
	20259	P280 B 0912 DO	
	20260	P240 B 0912 DO	
	20262	P220 B 0912 DO	
	20263	P180 B 0912 DO	
	20264	P150 B 0912 DO	
	20266	P120 B 0912 DO	
	20267	P100 B 0912 DO	
	20269	P80 B 0912 DO	
6" x 0" Individual Discs	20270	P1500 B 0712 DO	
	20271	P1200 B 0712 DO	
	20272	P1000 B 0712 DO	
	20274	P800 B 0712 DO	
	20275	P600 B 0912 DO	
	20276	P400 B 0912 DO	
	20277	P320 B 0912 DO	
	20278	P280 B 0912 DO	
	20282	P240 B 0912 DO	
	20283	P220 B 0912 DO	
	20284	P180 B 0912 DO	
	20285	P150 B 0912 DO	
	20287	P120 B 0912 DO	
	20288	P100 B 0912 DO	
	20289	P80 B 0912 DO	

PKG. 100 Discs Per Package

GOLD ALUMINUM OXIDE DRI-LUBE RESIN PAPER OPEN

Application: Ideal for sanding paints, primers, plastics and fiberglass as well as whitewood sanding, clean-up and repair.

Size	Order No.	Grading	Price Pkg.
5" x 0" Individual Discs	9920115	P320 C 0712 DO	
	20118	P220 C 0712 DO	
	20119	P180 C 0712 DO	
	20120	P150 C 0712 DO	
	20121	P120 C 0712 DO	
	20122	P100 C 0712 DO	
	20123	P80 C 0712 DO	
	6" x 0" Individual Discs	9920125	P400 C 0712 DO
9920126		P320 C 0712 DO	
20128		P240 C 0712 DO	
20129		P220 C 0712 DO	
20130		P180 C 0712 DO	
20131		P150 C 0712 DO	
9920132		P120 C 0712 DO	
20133	P100 C 0712 DO		
9920134	P80 C 0712 DO		

PKG. 100 Discs Per Package

Application: Best choice for sanding all paints, primers, plastics and fiberglass. Also suited for sealer and wash-coats in wood furniture.

Size	Order No.	Grading	Price Pkg.
5" x 5" Hole Vacuum Link Disc Roll D3329	15281	P600 B 0912 DO	
	15282	P400 B 0912 DO	
	15284	P320 B 0912 DO	
	9915286	P240 B 0912 DO	
	15287	P220 B 0912 DO	
	9915291	P180 B 0912 DO	
	9915292	P150 B 0912 DO	
	9915293	P120 B 0912 DO	
	9915294	P100 B 0912 DO	
	9915295	P80 B 0912 DO	
6" x 6" Hole Vacuum Link Disc Roll D3333	9915297	P600 B 0912 DO	
	9915298	P400 B 0912 DO	
	9815300	P320 B 0912 DO	
	9915304	P240 B 0912 DO	
	9915311	P220 B 0912 DO	
	9915312	P180 B 0912 DO	
	15313	P150 B 0912 DO	
	9015315	P120 B 0912 DO	
	9915316	P100 B 0912 DO	
	9915317	P80 B 0912 DO	

PKG. 100 Discs Per Roll

ALUMINUM OXIDE RESIN BOND FIBRE BACK ABRASIVE DISCS

SERIES 489:



MEJA
Superior Import

Grit	4"x5/8" Hole		4-1/2"x7/8" Hole		5"x7/8" Hole	
	Order No.	Price	Order No.	Price	Order No.	Price
16	4894016		4894516		4895016	
24	4894024		4894524		4895024	
36	4894036		4894536		4895036	
50	4894050		4894550		4895050	
60	4894060		4894560		4895060	
80	4894080		4894580		4895080	
100	4894100		4894600		4895100	
120	4894120		4894620		4895120	
	7"x7/8" Hole		9-1/8"x7/8"		Packaged 25 discs per box	
	Order No.	Price	Order No.	Price		
16	4897016		4899016			
24	4897024		4899024			
36	4897036		4899036			
50	4897050		4899050			
60	4897060		4899060			
80	4897080		4899080			
100	4897100		4899100			
120	4897120		4899120			



RESIN FIBRE DISCS

SERIES 895:



PREMIER RED ZIRCONIA ALUMINA RESIN FIBRE

Application: Ideal for heavy duty grinding of welds, gates, risers and parting lines on castings and carbon steels. The best choice for stainless steel.

SPEC CHECK

Starting Recommendation by Material		
Material	Heavy Duty Best Performance	General Duty
Carbon Steel	V 2547	V 1247
Stainless Steel / Alloys	V 2547, V 1247	V 0947
Cast Iron	V 2547	V 1247
Brass/Bronze	V 1247	V 0947
Aluminum	V 1247	V 0947
Fiberglass	V 2547	V 1247
Paint Removal and Clean-up	V 1247	V 0947

Recommended Grit Selection		
Rough/Heavy Duty	Intermediate	Finishing
16-50	50-80	80-120

Size	Order No.	Grading	Price Pkg.
4-1/2" x 7/8" Slotted	20019	80 V 1247	
	20034	60 V 1247	
	20086	50 V 1247	
	20087	36 V 1247	
	20088	24 V 1247	
5" x 7/8"	20055	80 V 1247	
	20069	60 V 1247	
	9010711	50 V 1247	
	9010712	36 V 1247	
	9010713	24 V 1247	
7" x 7/8"	20076	80 V 1247	
	20077	60 V 1247	
	10720	50 V 1247	
	10721	36 V 1247	
	10722	24 V 1247	
9-1/8" x 7/8"	20083	36 V 1247	

PKG. 25 Discs Per Package

ALUMINUM OXIDE RESIN FIBRE

Application: Ideal for many general purpose metalworking applications.

Size	Order No.	Grading	Price Pkg.
4" x 5/8" Slotted	10589*	120 V 0947	
	10590*	100 V 0947	
	10591	80 V 0947	
	10592	60 V 0947	
	10593	50 V 0947	
	10594	36 V 0947	
	10595	24 V 0947	
4-1/2" x 7/8" Slotted	10596	120 V 0947	
	10597	100 V 0947	
	10598	80 V 0947	
	10600	60 V 0947	
	10601	50 V 0947	
	9910602	36 V 0947	
	9910603	24 V 0947	
5" x 7/8"	10673	120 V 0947	
	9910674	100 V 0947	
	10675	80 V 0947	
	9910676	60 V 0947	
	10680	50 V 0947	
	10682	36 V 0947	
	10683	24 V 0947	
	10684	16 V 0947	
	7" x 7/8"	10685	120 V 0947
9910686		100 V 0947	
10688		80 V 0947	
10689		60 V 0947	
10690		50 V 0947	
10691		36 V 0947	
10692		24 V 0947	
10693		16 V 0947	
7" x 7/8" Flex-Loc		9911144	36 V 0947
	11324*	24 V 0947	
9-1/8" x 7/8"	10695	120 V 0947	
	10698*	80 V 0947	
	9910699	60 V 0947	
	10700	50 V 0947	
	10701	36 V 0947	
	10702	24 V 0947	

PKG. 25 Discs Per Package

MEDALIST CERAMIC ALUMINA RESIN FIBRE

Application: Excellent for all fibre disc grinding applications requiring aggressive cutting action, cool cut and long life.

Size	Order No.	Grading	Price Pkg.
4-1/2" x 7/8" Slotted	10716	80 V 2547	
	10717	60 V 2547	
	10719	36 V 2547	
5" x 7/8"	10727	80 V 2547	
	10728	60 V 2547	
	10730	50 V 2547	
	10731	36 V 2547	
	10732	24 V 2547	
7" x 7/8"	20113*	120 V 2547	
	20112*	100 V 2547	
	10735	80 V 2547	
	10736	60 V 2547	
	10738	50 V 2547	
	10740	36 V 2547	
	10742	24 V 2547	
9-1/8" x 7/8"	10746*	80 V 2547	
	10748	50 V 2547	
	10749	36 V 2547	
	10782	24 V 2547	

PKG. 25 Discs Per Package



While we show only the most popular items, we can supply their entire range of products; please inquire.



ALUMINUM OXIDE RESIN CLOTH

FLEX-LOC TR AND TS DISCS

SERIES 895:
TYPE II = TS
TYPE III = TR



Application: For light to medium pressure grinding and deburring, as well as blending and finishing.

Size	Order No.	Grading	Price Pkg.
1-1/2" Flex-Loc TR 100 / Box	20670	P120 XC 0877	
	20668	P80 XC 0877	
	20667	P60 XC 0877	
	20666	P50 XC 0877	
	20664	P36 XC 0877	
1-1/2" Flex-Loc TS 100 / Box	20703	P120 XC 0877	
	20702	P100 XC 0877	
	20701	P80 XC 0877	
	20700	P60 XC 0877	
	20699	P50 XC 0877	
2" Flex-Loc TR 100 / Box	20685	P240 XC 0877	
	20684	P180 XC 0877	
	20683	P150 XC 0877	
	20682	P120 XC 0877	
	20681	P100 XC 0877	
2" Flex-Loc TS 100 / Box	20680	P80 XC 0877	
	20678	P60 XC 0877	
	20351	P50 XC 0877	
	20352	P36 XC 0877	
	20353	P24 XC 0877	
3" Flex-Loc TR 50 / Box	20696	P240 XC 0877	
	20693	P120 XC 0877	
	20692	P100 XC 0877	
	20691	P80 XC 0877	
	20690	P60 XC 0877	
3" Flex-Loc TS 50 / Box	20725	P100 XC 0877	
	20724	P80 XC 0877	
	20723	P60 XC 0877	
	20722	P50 XC 0877	
	20719	P24 XC 0877	

TR: Compatible with 3M Roloc Attachment System
TS: Compatible with Standard Abrasives quick change attachment system

Also available in; MEDALIST CERAMIC ALUMINA RESIN CLOTH as well as PREMIER RED ZIRCONIA ALUMINA RESIN CLOTH material: please inquire



PREMIER RED ZIRCONIA ALUMINA RESIN CLOTH

FLAP DISCS

SERIES 896:



Application: Ideal for metal grinding and polishing, especially for weld bead grinding on fine carbon and stainless steel.

Size	Order No.	Grading	MAX RPM	Price Each
4" x 5/8" Type 29	18610	120 XC 1176	15,000	
	18613	80 XC 1176	15,000	
	18615	60 XC 1176	15,000	
	18616	40 XC 1176	15,000	
	18617	36 XC 1176	15,000	
4-1/2" x 5/8"- 11 Nut Type 29	20345	80 XC 1176	13,000	
	20346	60 XC 1176	13,000	
	20347	40 XC 1176	13,000	
	20348	36 XC 1176	13,000	
4-1/2" x 5/8"- 11 Nut Type 27	64063	80 XC 1176	13,000	
	964062	60 XC 1176	13,000	
	64061	40 XC 1176	13,000	
	964060	36 XC 1176	13,000	
4-1/2" x 7/8" Type 29	18619	120 XC 1176	13,000	
	18620	80 XC 1176	13,000	
	18621	60 XC 1176	13,000	
	18622	40 XC 1176	13,000	
	18623	36 XC 1176	13,000	
	18624	24 XC 1176	13,000	
4-1/2" x 7/8" Type 27 FAT BOY	63745	120 XC 1176	13,000	
	63744	80 XC 1176	13,000	
	63743	60 XC 1176	13,000	
	63742	40 XC 1176	13,000	
	63741	36 XC 1176	13,000	
4-1/2" x 7/8" Type 27	63929	40 XC 1176	13,000	
	63930	60 XC 1176	13,000	
	63931	80 XC 1176	13,000	
5" x 7/8" Type 29	18626	80 XC 1176	12,000	
	9918627	60 XC 1176	12,000	
	18628	40 XC 1176	12,000	
7" x 5/8"- 11 Nut Type 29	18629	36 XC 1176	12,000	
	18638	80 XC 1176	8,600	
	18639	60 XC 1176	8,600	
	18640	40 XC 1176	8,600	
7" x 5/8"- 11 Nut Type 27	18641	36 XC 1176	8,600	
	18642	24 XC 1176	8,600	
	964058	60 XC 1176	8,600	
	64057	40 XC 1176	8,600	
7" x 7/8" Type 29	964056	36 XC 1176	8,600	
	18633	60 XC 1176	8,600	
	18634	40 XC 1176	8,600	
7" x 7/8" Type 27	18635	36 XC 1176	8,600	
	63748	60 XC 1176	8,600	
	63747	40 XC 1176	8,600	
	63746	36 XC 1176	8,600	

Package: 5 Wheels Per PKG.



ABRASIVE
SERIES 906:



FLAP DISCS

**TIGER® DISC FLAP DISCS
ANGLED STYLE (TYPE 29)**

Maximum aggression and long life.
Ideal for a working angle of 15°-25°



Dia.	Arbor Hole	Zirconium Grit Size	Max. RPM	Phenolic		Aluminum	
				Order No.	Price	Order No.	Price
4-1/2"	7/8"	36	13,000	-	7150512	7150514	7150515
		60		7150604			
		80		-			
4-1/2"	5/8"-11	36	13,000	-	7150517	7150518	7150519
		40		-	7150519	7150520	
		60		7150609	-	-	
		80		7150610	-	-	
7"	5/8"-11	36	8,600	7150642	-	7150544	-
		60		-	-	-	

**VORTEC PRO® FLAP DISCS
ANGLED STYLE (TYPE 29)**

High cut rate at a value price.
Ideal for a working angle of 15°-25°



Dia.	Arbor Hole	Zirconium Grit Size	Max. RPM	Phenolic		Aluminum	
				Order No.	Price	Order No.	Price
4-1/2"	7/8"	40	13,000	7131344	-	-	-
		60		7131345	-	-	
4-1/2"	5/8"-11	40	13,000	7131350	-	-	-
		60		7131351	-	-	
		80		7131352	7131316	-	-

**BIG CAT® HIGH DENSITY
FLAP DISCS FLAT STYLE (TYPE 27)**

A thicker disc with larger flaps which conforms to curved and irregular surfaces while producing a consistent finish. 30-40% longer life than standard flap discs. Ideal for a working angle less than 15°.

Dia.	Arbor Hole	Zirconium Grit Size	Max. RPM	Phenolic	
				Order No.	Price
4-1/2"	7/8"	40	12,000	7150803	7150804
		60		7150805	
		80		7150805	
4-1/2"	5/8"-11	40	12,000	7150808	7150809
		60		7150810	-
		80		7150824	-
7"	7/8"	60	8,600	7150843	-
7"	5/8"-11	40	8,600	7150844	-
		60		-	-



**VORTEC PRO® HIGH DENSITY FLAP
DISC FLAT STYLE (TYPE 27)**

A thicker disc with larger flaps for increased conformability and smooth grinding at a value price. Ideal for a working angle less than 15°.

Dia.	Arbor Hole	Zirconium Grit Size	Max. RPM	Phenolic	
				Order No.	Price
4-1/2"	7/8"	40	12,000	7131387	-



**BOB CAT™ MINI DISC
FLAT STYLE (TYPE 27)**

Use on right angle air die grinders for smooth grinding and enhanced conformability. Small size allows access to confined areas.

Dia.	Zirconium Grit Size	Max. RPM	Phenolic	
			Order No.	Price
3"	40	20,000	7150913	-



CUT-OFF WHEELS

**SABER TOOTH™ CERAMIC FLAP
DISCS - ANGLED STYLE (TYPE 29)**

Dia.	Arbor Hole	Ceramic Grit Size	Max. RPM	Phenolic	
				Order No.	Price
4-1/2"	7/8"	36	13,000	7150100	7150101
		40		7150102	
		60		7150103	
		80		7150103	
4-1/2"	5/8"-11	36	13,000	7150104	7150105
		40		7150106	
		60		7150107	
		80		7150107	
7"	7/8"	36	8,600	7150108	7150109
		40		7150110	
		60		7150111	
		80		7150111	
7"	5/8"-11	36	8,600	7150112	7150113
		40		7150114	
		60		7150115	
		80		7150115	



Cool, fast cutting on hard-to-grind metals. Ideal for a working angle of 15°-25°.

**SABER TOOTH™ HIGH DENSITY
CERAMIC FLAP DISCS - FLAT STYLE
(TYPE 27)**



Cool, fast cutting on hard-to-grind metals. Ideal for a working angle of 0°-15°.

Dia.	Arbor Hole	Ceramic Grit Size	Max. RPM	Phenolic	
				Order No.	Price
4-1/2"	7/8"	40	13,000	7150130	7150131
		60		7150132	
		80		7150132	
4-1/2"	5/8"-11	40	13,000	7150133	7150134
		60		7150135	
		80		7150135	
7"	7/8"	40	8,600	7150136	7150137
		60		7150138	
		80		7150138	
7"	5/8"-11	40	8,600	7150139	7150140
		60		7150141	
		80		7150141	

VORTEC PRO® TYPE 1 WHEELS

Dia.	Thick-ness	Grit Size	Arbor Hole	Max. RPM	Order Number	Price
3"	.035"	A60T	1/4"	25,000	7156061	7156062
	.035"	A60T	3/8"		-	
	1/16"	A36T	3/8"		7156068	
4"	1/16"	A36T	3/8"	19,000	7156086	-
4-1/2"	1/16"	A60T	7/8"	13,500	7156103	7156389
	.045"	Z46T	7/8"		-	
6"	.045"	A60T	7/8"	10,200	7156273	-
7"	1/16"	A36T	5/8"	8,740	7156188	-



For general purpose cutting on various metals.

VORTEC PRO® TYPE 27 WHEELS

Dia.	Thick-ness	Grit Size	Arbor Hole	Max. RPM	Order Number	Price	
4"	1/4"	A24R	5/8"	15,200	7156473	-	
4-1/2"	.045"	A60S	7/8"	13,300	7156393	7156429	
	1/8"	A24R	5/8"-11		-		
	1/8"	A24R	7/8"		-		7156430
	1/4"	A24R	5/8"-11		-		7156454
	1/4"	A24R	7/8"		-		7156464
	1/4"	A24N	5/8"-11		-		7156455
6"	.045"	A60S	7/8"	10,200	7156283	7156383	
	3/32"	A24R	7/8"		8,500		
7"	1/8"	A24T	5/8"-11	-	7156425	7156426	
	1/8"	A24T	7/8"		-		
	1/4"	A24R	5/8"-11		-		7156468
	1/4"	A24R	7/8"		-		7156467

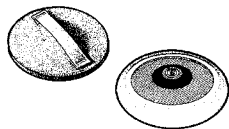


For general purpose cutting on various metals.

ABRASIVES

BACK-UP PADS AND ACCESSORIES

SERIES 896:



For Stick-On Discs

Vinyl-faced pad for use with Stick-On discs or conventional discs using disc adhesive.



For Stick-On Vacuum Discs

Vinyl-faced pads for use with Stick-On discs with standard 5" and 6" vacuum hole patterns.



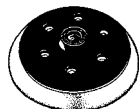
For Grip-On Discs

Back-up pad for use with Grip-On discs. Incorporates unique hook and loop fastening system for neat, clean application and removal.



Interface Pad for Grip-On Discs

Soft, pliable foam pad which fastens to the standard 5" and 6" Grip-On back-up pad using a hook and loop system. It converts the standard pad into a fine finishing and finessing pad and enhances P1000, P1200 and P1500 fine sanding random orbital applications.



For Grip-On Vacuum Discs

Unique hook and loop fastening system for use with standard 5" and 6" vacuum hole patterns.



For Resin Fibre Discs

For all-purpose fibre disc sanding. Curved ribs on pad face reduce loading and allow for cooler cut. Fits 5/8" - 11 arbor.



Pad Nut

Used to secure resin fibre discs to back-up pad.



For Flex-Loc Resin Fibre Discs

For use with Flex-Loc resin fibre discs. Molded rubber back-up pads provide quick change convenience.



For Flex-Loc TR and TS Cloth Discs

Molded rubber pad with a steel shank for quick mounting. Medium density for all purpose applications. Unique locking device on face provides convenience and quick change.



PSA Conversion Discs and Strips

Permanent adhesive on textile hook backing allows for low cost conversion of stick-on pads to grip-on.



Disc Roll Dispensers

These convenient disc roll dispensers make it easy to dispense discs from the roll. They can be used with 5" and 6" disc rolls and can be easily moved from one work station to another.



Disc Cement

Pressure sensitive adhesive for attaching discs to back-up pads.



Order No.	Description	MAX RPM	Pcs./ Case	Price Each
For Stick-On Discs				
99317	5" x 5/16"-24 shank	10,000	5	
99319	6" x 5/16"-24 shank	10,000	5	
12023	8" x 1/2" x 5/8"-11 thread	4,800	1	
For Stick-On Vacuum Discs				
99318	5" x 5 hole 5/16"-24 shank	10,000	5	
For Grip-On Discs				
99321	5" x 5/16"-24 shank	10,000	5	
99323	6" x 5/16"-24 shank	10,000	5	
9912030	8" x 1/2" x 5/8"-11 thread	4,800	1	
Interface Pad for Grip-On Discs				
9920521	5" interface pad (2 pad pack)	-	1	
20520	6" interface pad (2 pad pack)	-	1	
For Grip-On Vacuum Discs				
99322	5" x 5 hole 5/16"-24 shank	10,000	5	
99324	6" x 6 hole 5/16"-24 shank	10,000	5	
For Resin Fibre Discs				
62582	4-1/2" medium air-cooled	11,000	1	
12033	5" medium air-cooled	10,000	1	
8812032	7" medium air-cooled	7,000	1	
12568	Pad Nut, 5/8"-11	-	1	
For Flex-Loc Resin Fibre Discs				
9920412	7" hard	7,500	5	
920413	Retainer Nut	-	10	
For Flex-Loc TR and TS Cloth Discs				
0061174	1-1/2" Flex-Loc TR	30,000	10	
9964146	1-1/2" Flex-Loc TS	25,000	10	
9964922	2" Flex-Loc TR	25,000	10	
0964198	2" Flex-Loc TS	25,000	10	
9964949	3" Flex-Loc TR	20,000	5	
0964113	3" Flex-Loc TS	20,000	5	
PSA Conversion Discs				
29418	6"		20	
Disc Roll Dispensers				
20361	Disc Roll Dispenser - Single		1	
20299	Disc Roll Dispenser - Double		1	
Disc Cement				
12009	5 oz. Tube / 148 ml Tube		12	
12010	16 oz. can / 500ml can		12	



MOUNTED

FLAP SANDING WHEELS

SERIES 620:



1/4" Shank Mounted		Order No.			
Diameter	Face Width	60 Grit	80 Grit	120 Grit	Price
1	1	6201011	6201012	6201013	
1-1/2	1/2	6201551	6201552	6201553	
1-1/2	1	6201511	6201512	6201513	
2	1/2	6202051	6202052	6202053	
2	1	6202011	6202012	6202013	

1/4" Shank Mounted		Order No.			
Diameter	Face Width	60 Grit	80 Grit	120 Grit	Price
2-1/2	1/2	6202551	6202552	6202553	
2-1/2	1	6202511	6202512	6202513	
3	1/2	6203051	6203052	6203053	
3	1	6203011	6203012	6203013	
3	2	6203021	6203022	6203023	

UNMOUNTED

FLAP SANDING WHEELS

SERIES 620:



Unmounted			40 Grit		60 GRIT		80 Grit		120 Grit		180 Grit	
Dia.	Face Width	Hole Dia.	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
4	1	5/8	6204010		6204011		6204012		6204013		6204014	
6	1	1	6206010		6206011		6206012		6206013		6206014	
6	2	1	6206020		6206021		6206022		6206023		6206024	

Reducer bushings are available for 1" Hole Dia. wheels. These must be ordered separately; please indicate arbor size.

SHEETS

SERIES 897:



PREMIER RED ALUMINUM OXIDE DRI-LUBE RESIN PAPER OPEN

Application: Ultimate choice for machine and hand sanding of paints, primers, light metals and basecoat/clearcoat paints.

Size	Order No.	Grading	Price Pkg.
9" x 11"	20526	P1200 B 0712 DO	
	20527	P1000 B 0712 DO	
	9914148	P800 B 0712 DO	
	20528	P600 B 0912 DO	
	63785	P500 B 0912 DO	
	20529	P400 B 0912 DO	
	20530	P320 B 0912 DO	
	20531	P280 B 0912 DO	
	20532	P240 B 0912 DO	
	20533	P220 B 0912 DO	
	20534	P180 B 0912 DO	
	20535	P150 B 0912 DO	
	20536	P120 B 0912 DO	
	20537	P100 B 0912 DO	
	20538	P80 B 0912 DO**	

PKG. 100 Sheets Per Package

**PKG. 50 Sheets Per Package

RED-BAK SILICON CARBIDE WATERPROOF PAPER

Application: Exceptional finishing in wet applications. Longer life in wet applications. Extremely flexible, Wet-curl resistance. Environmentally stable: resists humidity-caused curling.

Size	Order No.	Grading	Price Pkg.
9" x 11"	63859	600 BF 0416 W	
	9963860	500 BF 0416 W	
	9963861	400 BF 0416 W	
	63862	360 BF 0416 W	
	9963863	320 BF 0416 W	
	63864	280 BF 0416 W	
	9963865	240 BF 0416 W	
	963866	220 BF 0416 W	

PKG. 50 Sheets Per Package

PREMIER RED MIRROR FINISH SILICON CARBIDE WATERPROOF PAPER

Application: Ideal for producing very fine finishes in wet applications. Longer life in wet applications. Ultimate flexibility. Wet-curl resistance. Environmentally stable; resists humidity-caused curling

Size	Order No.	Grading	Price Pkg.
9" x 11"	963877	2000 BF 0415 W	
	963878	1500 BF 0415 W	
	63879	1200 BF 0415 W	
	63880	1000 BF 0415 W	

PKG. 50 Sheets Per Package

GOLD ALUMINUM OXIDE DRI-LUBE PAPER OPEN

Application: For hand and machine sanding of paint, primer, plastics and fiberglass, as well as whitewood clean-up and repair.

Size	Order No.	Grading	Price Pkg.
9" x 11"	30470*	P600 A 0711 DO	
	30471	P400 A 0711 DO	
	30472	P320 A 0711 DO	
	30473*	P280 A 0711 DO	
	30474	P240 A 0711 DO	
	30475	P220 A 0711 DO	
	30476	P180 A 0711 DO	
	30480	P150 A 0711 DO	
	30477	P120 A 0711 DO	
	30478	P100 A 0711 DO	
	30479	P80 A 0711 DO**	

PKG. 100 Sheets Per Package

**PKG. 50 Sheets Per Package

(Continued on page 323)

ABRASIVES



ALUMINUM OXIDE, RESIN BOND

ABRASIVE CARTRIDGE ROLLS

SERIES 722:

Available in straight and full taper styles.
Applications include deburring, flash removal, edge breaking and polishing as well as finishing of inside diameters and dead end holes.



Grit Selection
Coarse = 60, Medium = 120, Fine = 180

Packaging - 100 per box.
No Broken Boxes.

Size			Straight					Full Taper				
Base Dia.	Length	Arbor Hole	Order No.		Price Per 100	Order No. Fine	Price Per 100	Order No.		Price Per 100	Order No. Fine	Price Per 100
			Coarse	Medium				Coarse	Medium			
1/4	1	1/8	7220000	7220001		7220002						
1/4	1-1/2	1/8	7220100	7220101		7220102						
1/4	2	1/8	7220010*	7220011*		7220012*						
3/8	1	1/8	7220020	7220021		7220022		7220023	7220024		7220025	
3/8	1-1/2	1/8	7220200	7220201		7220202		7220203	7220204		7220205	
3/8	2	1/8	7220030	7220031		7220032		-	-		-	
1/2	1	1/8	7220040	7220041		7220042		7220043	7220044		7220045	
1/2	1-1/2	1/8	7220300	7220301		7220302		7220303	7220304		7220305	
1/2	2	1/8	7220050	7220051		7220052		7220053	7220054		7220055	
5/8	1	3/16	7220060*	7220061*		7220062*		7220063*	7220064*		7220065*	
5/8	1-1/2	3/16	7220400	7220401		7220402		7220403	7220404		7220405	
5/8	2	3/16	7220070*	7220071*		7220072*		7220073*	7220074*		7220075*	
3/4	1	3/16	7220080	7220081		7220082		7220083*	7220084*		7220085*	
3/4	1-1/2	3/16	7220500	7220501		7220502		7220503	7220504		7220505	
3/4	2	3/16	7220090	7220091		7220092		7220093*	7220094*		7220095*	

*LIMITED QUANTITY

ABRASIVES

CARTRIDGE ROLL MANDRELS

SERIES 722:



Pilot Dia.	Pilot Length	Shank Dia.	Shank Length	Order No.	Price
1/8	3/4	1/8	1	7221000	
1/8	3/4	1/4	1-1/4	7221001	
1/8	1	1/8	1	7221007	
1/8	1	1/4	1-1/4	7221008	
1/8	1-1/2	1/8	1	7221002	
1/8	1-1/2	1/4	1-1/4	7221003	
3/16	3/4	1/4	1-1/4	7221005	
3/16	1	1/4	1-1/4	7221009	
3/16	1-1/2	1/4	1-1/4	7221006	

Note: Use mandrels with 3/4" pilot length for 1" rolls, mandrels with 1" pilot length for 1-1/2" long rolls and mandrels with 1-1/2" pilot length for 2" long rolls.

9" X 11" ABRASIVE SHEETS

Packaging - 50 Sheets per sleeve



ALUMINUM OXIDE CLOTH SHEETS
SERIES 192:

Grit	Order No.	Price per 100
60	1430060	
80	1430080	
100	1430100	
120	1430120	
150	1430150	
180	1430180	
240	1430240	
320	1430320	
400	1430400	

SILICON CARBIDE WET OR DRY FINISHING PAPER SHEETS
SERIES 194:

Grit	Order No.	Price per 100
120	1435120	
150	1435150	
180	1435180	
220	1435220	
240	1435240	
280	1435280	
320	1435320	
360	1435360	
400	1435400	
500	1435500	
600	1435600	

Quality Abrasives



The Choice Is Yours!!!

EMERY CLOTH
SERIES 195:

Grit	Order No.	Price per 100
EXTRA COARSE	1440036	
COARSE	1440060	
MEDIUM	1440100	
FINE	1440150	

GARNET PAPER
SERIES 195:

Grit	Order No.	Price per 100
50D	6000109	
80C	6000108	
100C	6000107	
120C	6000106	
150C	6000104	
180A	6000102	
220A	6000101	

SHEETS

SERIES 897:
(Continued)

(Continued from page 321)



SILICON CARBIDE DRI-LUBE PAPER OPEN

Application: For hand and machine sanding paint and primer, as well as whitewood clean-up and sealer sanding.

Size	Order No.	Grading	Price Pkg.
9" x 11"	9710808	400 B 0411 DO	
	10810	320 B 0411 DO	
	10812	280 B 0411 DO	
	10813	240 B 0411 DO	
	10814	220 B 0411 DO	
	10815	180 B 0411 DO	
	10816	150 B 0411 DO	
	10817	120 B 0411 DO	
	10818	100 B 0411 DO	
	10819	80 B 0411 DO**	

PKG. 100 Sheets Per Package

**PKG. 50 Sheets Per Package

ALUMINUM OXIDE RESIN CLOTH

Application:

Ideal for hand sanding, deburring, polishing and removing cutting tool marks on all metal parts.

Size	Order No.	Grading	Price Pkg.	
9" x 11"	29351	P600 JCF 0852		
	29352	P400 JCF 0852		
	29353	P320 JCF 0852		
	29354	P280 JCF 0852		
	29355	P240 JCF 0852		
	29356	P220 JCF 0852		
	29357	P180 JCF 0852		
	29358	P150 JCF 0852		
	29359	P120 JCF 0852		
	29360	P100 JCF 0852		
	29361	P80 JCF 0852		
	9711143	P60 XC 0851**		
	9711103	P50 XC 0851**		
	9710988	P40 XC 0851**		

PKG.
50 Sheets
Per Package

**PKG.
25 Sheets
Per Package

SILICON CARBIDE WATERPROOF PAPER

Application: Ideal for finish sanding. Excellent grain adhesion, strength and resistance to deterioration when used wet. May be used wet or dry on plastic or painted surfaces. Best results are obtained when used wet. Excellent for machine and hand rubbing of laquer, urethane and varathane between coats. Ideal for obtaining fine finishes and feather-edging painted surfaces.

Size	Order No.	Grading	Price Pkg.
9" x 11"	10793	180 C 0414 W	
	10794	150 C 0414 W	
	10795	120 C 0414 W	
	10796	100 C 0414 W	
	10797	80 C 0414 W	
	10798	60 C 0414 W	

PKG:
50 Sheets Per Package

GARNET PAPER OPEN

Application: For hand and machine sanding of whitewood. Sharp and consistent cutting action. Durable

Size	Order No.	Grading	Price Pkg.
9" x 11"	910842	240 A 0311 O	
	10843	220 A 0311 O	
	10844	180 A 0311 O	
	10845	150 A 0311 O	
	910846	120 A 0311 O	
	10847	100 A 0311 O	
	910848	80 A 0311 O**	
	10849	150 C 0311 O	
	10850	120 C 0311 O	
	910851	100 C 0311 O	
	9910852	80 C 0311 O**	
	910853	60 C 0311 O**	
	9990854	50 D 0311 O**	

PKG.
100 Sheets Per Package

**PKG.
50 Sheets Per Package

ALUMINUM OXIDE PAPER OPEN

Application: Ideal for dry sanding, of paint primers and light metals.

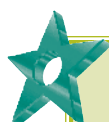
Size	Order No.	Grading	Price Pkg.
9" x 11"	10859*	P320 A 0811 O	
	10860*	P240 A 0811 O	
	10861	P220 A 0811 O	
	10862	P180 A 0811 O	
	10863*	P150 A 0811 O	
	10864*	P120 A 0811 O	
	10866*	P100 A 0811 O	
	10867	P80 A 0811 O**	
	10868	P150 C 0811 O	
	10870	P120 C 0811 O	
	10871	P100 C 0811 O	
	10872	P80 D 0811 O**	
	10873	P60 D 0811 O**	
	10874	P50 D 0811 O**	
	10875	P40 D 0811 O***	
	10876	P36 D 0811 O***	

PKG. 100 Sheets Per Package

** PKG. 50 Sheets Per Package

*** PKG. 25 Sheets Per Package

* LIMITED QUANTITY



While we show only the most popular items we can supply their entire range of products; please inquire.





FIBRATEX - NON WOVEN ABRASIVE

SERIES 898:

Most Fibratex products consist of a non-woven web of nylon fibres, impregnated throughout with abrasive grain and bonded with synthetic resins. This design produces a cushioned, three-dimensional material that is extremely pliable and long lasting. The uniform dispersion of abrasive throughout the web provides a continuous supply of new grain as the old grain and fibres wear away during use.

Fibratex products, with their open mesh construction, are waterproof, washable, resilient, conformable, non-loading, non-conductive, non-metallic, and non-rusting. Fibratex wheels are easily preformed to conform to special-shaped workpieces.

Since Fibratex products are designed for use where stock removal is not required, they begin where other abrasives leave off. The relatively non-aggressive nature of nylon and grit inherent in the Fibratex material makes it ideal as a finishing tool. While 60 to 80 grit are considered intermediate sizes in other products, they are considered coarse for Fibratex items.

Fibratex can be used on aluminum, brass, copper, nickel, chrome plate, stainless steel, zinc, titanium, tantalum, ceramics, glass, plastic, fiberglass, wood, plywood, and other materials. Applications include deburring, cleaning, scrubbing, scouring, blending, polishing, highlighting, deflashing plastics, defuzzing plywood, dulling laminates, removing oxides and rust, scuffing paint before repainting, rubbing sealers, removing raised wood fibres, and imparting satin and decorative finishes.

Used wet or dry, Fibratex products offer the following advantages:

- Controlled cut without stock removal
- Consistent, uniform finish
- Minimized smearing and discoloration of the workpiece (heat is dissipated through the open mesh of the product)
- Increased production; time savings
- Ability to automate operations
- Reduced operator training
- Less maintenance required.
- Greater safety than other methods.
- Conformability to irregular surfaces.

Fibratex web material utilizes either silicon carbide or aluminum oxide abrasive grain. Silicon carbide is sharper, cuts faster, and produces finer scratch patterns on most surfaces. Aluminum oxide is more durable and tends to last longer, produces less discoloration on aluminum, and is more aggressive on certain applications such as hardened steel parts. Fibratex hand pads and rolls are available in a non-abrasive material.

These advantages made Fibratex products an excellent alternative to bristle brushes, set-up wheels, greaseless compounds and steel wool.

HAND PADS SPEC CHECK

Starting Recommendations for Hand Pads							
MORE AGGRESSIVE, ROUGHER FINISH ←				→ LESS AGGRESSIVE, FINER FINISH APPLICATIONS			
74000 Brown Heavy Duty Pad	74600 Gray Blending Pad	77700 Maroon Fast Initial Cut Rate	74700 Maroon A/O General Purpose	79600 Green Scouring Pad	63500 Gray Clean & Finish	74800 Gray Final Shine	45600 White Non-Abrasive
<ul style="list-style-type: none"> • Removing rust oxide • Deburring • Blending • Replaces steel wool & wire brushes in many applications 	<ul style="list-style-type: none"> • Cleaning - aluminum - around welds - glass molds - dies • Light deburring of intricate parts 	<ul style="list-style-type: none"> • Cleaning • Deburring • Corrosion removal • Oxidation removal 	<ul style="list-style-type: none"> • Cleaning • Finishing • Deburring machinery & tools • Rust Removal • Defuzzing wood • Preparing surfaces for painting 	<ul style="list-style-type: none"> • Removing - stains - marks - rust - corrosion - oxidation 	<ul style="list-style-type: none"> • Deburring plastic surfaces • Cleaning fiberglass partitions • Blending Paint • Scuffing acrylic surfaces • Finishing aluminum doors & windows 	<ul style="list-style-type: none"> • Light cleaning - steel - non-steel • Defuzzing wood • Final rub 	<ul style="list-style-type: none"> • Cleaning glass, fiberglass & porcelain fixtures • Wood highlighting & rubbing between finish coats • Use with liquid detergents • Scratch-free cleaning of stainless steel, chrome, copper & ceramic

APPLICATION:

White - 45600

For general clean-up, light primer rub down and paint overspray removal. Nonabrasive.

Gray - 74800

A micro fine (1000 grit) silicon carbide for light cleaning steel and non-steel, defuzzing wood and final rubbing.

Gray - 63500

An ultra fine (600 grit) silicon carbide for denibbing between finish coats, as well as lacquer rubbing.

Gray - 74600

A medium silicon carbide, that is open denier, primarily used for all types of blending applications, especially on stainless steel.

Green - 79600

An economical pad for general clean up as well as finishing stainless steel in the food processing industry.

Maroon - 77700

A very fine aluminum oxide pad with a fast initial cut rate for cleaning, deburring, corrosion and oxidation removal.

Maroon - 74700

A very fine (240-360 grit) aluminum oxide for general cleaning and finishing, removal of rust and oxidation from metals, and lightly sanding old paint or new primers.

Brown - 74000

A heavy duty (120 grit) aluminum oxide pad for aggressive action where a stiffer, coarser pad is required.

Order No.	Grit/Abrasive	Color	Pads/Case	Price Case
6" x 9"				
45600	Non-Abrasive	White	20	
74800	Micro Fine S/C	Gray	20	
9963500	Ultra Fine S/C	Gray	20	
74600	Medium S/C	Gray	20	
79600	General Purpose	Green	20	
77700	Very Fine A/O Fast Cut	Maroon	20	
74700	Very Fine A/O	Maroon	20	
74000	Medium A/O	Brown	20	
Order No.	Description			Price Each
62709	Hand Pad Holder			

(Continued)

FIBRATEX - NON WOVEN ABRASIVE

SERIES 898: (Continued)



DEPRESSED CENTER WHEELS

SURFACE STRIP DEPRESSED CENTER WHEELS

Applications: An open web construction allows cleaning and conditioning of a multitude of materials quickly and easily, with very little loading. Excellent for removal of surface rust and residue, corrosion, light weld splatter, dirt, mill scale and other similar surface contaminants.



Major applications include:

- Cleaning and conditioning after welding.
- Preparing surfaces before welding
- Painting and epoxy coating removal
- Surface preparation before coatings are applied

Order No.	Grit/Abrasive	Color	RPM	Wheels/ Case	Price Each
4-1/2" x 7/8"					
62615	Extra Coarse S/C	Black	13,300	10	
4-1/2" x 5/8-11"					
62616	Extra Coarse S/C	Black	13,300	10	
7" x 7/8"					
62617	Extra Coarse S/C	Black	8,600	10	
7" x 5/8-11"					
62618	Extra Coarse S/C	Black	8,600	10	

FLEX-LOC TS SURFACE BLENDING DISCS

Applications: Deliver a consistent finish when used to clean, deburr, blend or finish all types of metal, wood and plastic. Can also be used for the removal of light rust, oxides and coatings.



Order No.	Grit/Abrasive	Color	Discs/ Case	Price Each
2"				
62908	Very Fine A/O	Blue	50	
62907	Medium A/O	Maroon	50	
62906	Coarse A/O	Brown	50	
3"				
62911	Very Fine A/O	Blue	25	
62910	Medium A/O	Maroon	25	
62909	Coarse A/O	Brown	25	
4"				
966445	Coarse A/O	Brown	25	

Compatible with Standard Abrasives quick change attachment system.

FIBRATEX SILICON CARBIDE "SURFACE STRIP" DISCS



SURFACE STRIP DISCS

Benefits:

- Smear resistant formula
- Resist loading
- Quick cleaning and conditioning of surfaces
- Quick, tool-free disc changes allow more grinding time
- Resists loading; extended life
- Can be used on face and edge
- Quick-change replacement



Major applications include:

- Preparing surfaces before welding
- Cleaning and conditioning after welding
- Surface preparation before coatings are applied
- Paint and epoxy coating removal

Order No.	Grit/Abrasive	Color	RPM	Wheels/ Case	Price Each
2" Flex-Loc TR					
64097	Extra Coarse S/C	Black	15,500	10	
3" Flex-Loc TR					
64098	Extra Coarse S/C	Black	12,000	10	
4" Flex-Loc TR+					
73903	Extra Coarse S/C	Black	8,000	10	

Order No.	Grit/Abrasive	Color	RPM	Wheels/ Case	Price Each
4" x 1/4"					
9963438	Extra Coarse S/C	Black	8,000	25	
4" x 3/8"					
62614	Extra Coarse S/C	Black	8,000	25	
4" x 1/2"					
27164	Extra Coarse S/C	Black	8,000	25	
6" x 1/4"					
9963439	Extra Coarse S/C	Black	5,500	15	
6" x 1/2"					
27163	Extra Coarse S/C	Black	5,500	15	

FLEX-LOC TR SURFACE BLENDING DISCS



Applications: Deliver a consistent finish when used to clean, deburr, blend or finish all types of metal, wood and plastic. Can also be used for the removal of light rust, oxides and coatings.



Order No.	Grit/Abrasive	Color	Discs/ Case	Price Each
2"				
62914	Very Fine A/O	Blue	50	
62913	Medium A/O	Maroon	50	
62912	Coarse A/O	Brown	50	
3"				
62917	Very Fine A/O	Blue	25	
62916	Medium A/O	Maroon	25	
62915	Coarse A/O	Brown	25	

Compatible with 3M Roloc attachment system.

For back-up pads see page 327.

(Continued)

FIBRATEX - NON WOVEN ABRASIVE

SERIES 898: (Continued)

CONVOLUTE WHEELS CLEAN AND FINISH WHEELS

Applications: An open mesh product for cleaning and finishing operations.

These wheels are:

- Used with light/moderate pressure
- Low speed
- Not to be used for deburring

Major applications include:

- General clean-up
- Removal of rust and oxide
- Applying decorative contrast finishes
- Blending weld areas or stainless to a #4 mil finish



SPEC CHECK Starting Recommendations			
← Deburring/Blending/Polishing		Cleaning and Finishing →	
Heat Sensitive Applications	Deburring	Medium Grain Finishing	Fine Grain Finishing
Clean & Finish Wheels	Deburr & Finish Wheels Heavy Deburring Wheels	Deburr & Finish Wheels Metal Finishing Wheels	Clean & Finish Wheels

Density	Grit	Abrasive
5 ↑ 6 7 8 9 ↓	VF = Very Fine F = Fine M = Medium	S = Silicon Carbide A = Aluminum Oxide
Softer		
Harder		

Order No.	Grit/Abrasive	MAX RPM	Whls/Case	Price Each
6" x 1" x 1"				
12526	Medium S/C	3,000	4	
6" x 2" x 1"				
12527	Medium S/C	3,000	2	
6" x 4" x 1"				
12516	Medium S/C	3,000	1	
8" x 2" x 3"				
12548	Medium S/C	2,550	2	

Bushings for these products available, see page 327.

Larger sizes available. See our website or inquire.

METAL FINISHING WHEELS

Applications: An open mesh product designed primarily for blending or finishing operations. These wheels are excellent all-round wheels for final metal finishing.

Major applications include:

- Preparing surface for buffing or polishing
- Creating satin finishes on all types of metal surfaces
- Blending and matching #3 or #4 mil finishes
- Removing surface imperfections

Order No.	Grit/Abrasive	MAX RPM	Whls/Case	Price Each
6" x 1" x 1"				
9963441	5-MA	6,000	3	
6" x 2" x 1"				
39326	5-MA	6,000	2	
8" x 1" x 3"				
9963442	5-MA	4,500	3	
8" x 2" x 3"				
9963443	5-MA	4,500	2	

Bushings for these products available.

Larger sizes available. See our website or inquire.

DEBURR AND FINISH WHEELS

Applications: A dense product available in four different densities, two minerals and two grit sizes to cover a wide range of deburring, blending, polishing and finishing applications.

Major applications include:

- General deburring
- Polishing stainless steel cutlery
- Polishing golf clubs
- Blending coated abrasive scratch patterns
- Edge radiusing



Order No.	Density/Grit/Abrasive	MAX RPM	Whls/Case	Price Each
6" x 1/2" x 1"				
9933812	7-FS	6,000	4	
12581	8-FS	6,000	4	
33872	9-MS	6,000	4	
6" x 1" x 1"				
12529	6-FS	6,000	3	
9912586	6-MA	6,000	3	
33711	6-MS	6,000	3	
63546	6-FA	6,000	3	
31855	6-VFS	6,000	3	
9912592	7-FA	6,000	3	
12530	7-FS	6,000	3	
12532	7-MA	6,000	3	
12587	7-MS	6,000	3	
12531	8-FS	6,000	3	
9015713	8-MA	6,000	3	
12597	8-MS	6,000	3	
63547	8-FA	6,000	3	
12598	9-FS	6,000	3	
17463	9-MS	6,000	3	
6" x 2" x 1"				
33773	6-MA	6,000	2	
33404	7-MA	6,000	2	
39634	7-MS	6,000	2	
9930233	7-FS	6,000	2	
39462	8-MS	6,000	2	
14754	8-FS	6,000	2	
12617	9-FS	6,000	2	

(Continued)

**FIBRATEX -
NON WOVEN ABRASIVE**

SERIES 898: (Continued)

CONVOLUTE WHEELS

DEBURR AND FINISH WHEELS

Applications: A dense product available in four different densities, two minerals and two grit sizes to cover a wide range of deburring, blending, polishing and finishing applications.

Major applications include:

- General deburring
- Polishing stainless steel cutlery
- Polishing golf clubs
- Blending coated abrasive scratch patterns
- Edge radiusing



**FIBRATEX
ACCESSORIES**

SERIES 898:

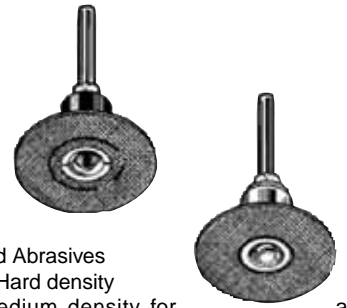


BACK-UP PADS

Application

For Flex-Loc TS Surface Blending Discs

Molded rubber pad with a 1/4" steel shank for quick mounting. Compatible with Standard Abrasives Quick Change attachment system. Hard density for aggressive cutting action. Medium density for all purpose applications. Soft density for contours and fine finishing work. Unique locking device on face provides convenience and quick change.



For Flex-Loc TR Surface Blending Discs

Molded rubber pad with a 1/4" steel shank for quick mounting. Compatible with a 3M Roloc attachment system. Medium density for all purpose applications. Unique locking device on face provides convenience and quick change.

For Flex-Loc TS and TR Surface Blending Discs

Order No.	Description	MAX RPM	Price Each
2" Diameter			
964624	Hard TS	30,000	
9964198	Medium TS	25,000	
964922	Medium TR	25,000	
3" Diameter			
9961626	Hard TS	20,000	
9964113	Medium TS	20,000	
964626	Soft TS	12,000	
964949	Medium TR	20,000	
4" Diameter			
9964135	Medium TS	12,000	
964655	Medium TR	18,000	

* LIMITED QUANTITY

Order No.	Density/ Grit/Abrasive	MAX RPM	Whls/Case	Price Each
8" x 1" x 3"				
9912533	6-FS	4,500	3	
12535	7-MA	4,500	3	
9915383	7-MS	4,500	3	
9963446	7-FS	4,500	3	
9912618	8-MS	4,500	3	
0012534	8-FS	4,500	3	
63549*	9-MS	4,500	3	
12635	9-FS	4,500	3	
8" x 2" x 3"				
39635	7-MS	4,500	2	
33654	7-FS	4,500	2	
12641	9-FS	4,500	2	

Larger diameter wheels available. See our website or inquire.

HEAVY DEBURRING WHEELS

Applications: Ideal for heavy deburring, edge breaking, and removing parting lines on exotic metals.

Order No.	Density/ Grit/Abrasive	MAX RPM	Whls/Case	Price Each
6" x 1/2" x 1"				
33838	9-FS	6,000	4	
6" x 1" x 1"				
29641	8-FS	6,000	3	
33753	8-MA	6,000	3	
31605	9-FS	6,000	3	
8" x 1" x 3"				
31599	8-FS	4,500	3	
43700	8-MA	4,500	3	
33741	9-FS	4,500	3	

Larger diameter wheels available. See our website or inquire.

**REDUCING BUSHINGS FOR
CONVOLUTE & FLAP WHEELS**



Order No.	Bushing Reduces to Arbor Size	For Wheel Dia.	Price/Pair
1" Wheel Center Hole			
925016	3/8"	4" thru 6"	
925017	1/2"	4" thru 6"	
925018	5/8"	4" thru 6"	
925019	3/4"	4" thru 6"	
925020	7/8"	4" thru 6"	
3" Wheel Center Hole Each			
9980531	1"	8"	
9980532	1-1/4"	8"	
9980383	1-1/2"	8"	
9980384	1-3/4"	8"	

DEPRESSED CENTER WHEELS

SERIES 176:

Fully fiberglass reinforced, resin bonded. Suitable for steel and iron.



Packaging:

- 25 pcs, per size for regular hole.
- 10 pcs, per size for threaded hub.

Wheel Size	Order No.	Price
4x1/4x5/8	4554161	
4-1/2x1/4x7/8	4555162	
7x1/8x 7/8	4557082	
7x1/8x 5/8-11	4557009	
7x1/4x 7/8	4557162	
7x1/4x 5/8-11	4557169	
9x1/8x 7/8	4559082	
9x1/4x 7/8	4559162	
9x1/4x 5/8-11	4559169	



ABRASIVES

MACHINE SHOP DISCOUNT SUPPLY

DEPRESSED CENTER WHEELS

SERIES 891:



GOLD ALUMINUM OXIDE ABRASIVE

Applications

A24 - Ideal choice for grinding all types of ferrous metals and various alloy steels.

A30 - Ideal for grinding all types of stainless steel and various hard alloys. Formulated to meet nuclear industry standards.

A46 - Ideal for grinding aluminum weld beads and fabricated parts.

SPEC CHECK

Wheel Type	Applications
1/16" Thick Wheels TYPE 27	Cutting only, where fast cutting and low kerf loss are desired
.125" Thick Wheels TYPE 27	Cutting and cleaning root pass welds
1/8" Thick Wheels TYPE 27	Cutting-off, notching and light side grinding
Z24 Grinding Wheels Type 27	Grinding with low horsepower air and electric grinders or where low pressure is used
Z24 Long Life Grinding Wheels TYPE 27	Grinding with high horsepower machines (3 HP or higher) and heavy pressure; flame cut and other severe applications
Saucers TYPE 28	Smooth, gouge-free grinding at shallow angles



TYPE 27



TYPE 28

DEPRESSED CENTER WHEELS FOR GRINDING

PREMIER RED ZIRCONIA ALUMINA ABRASIVE

Applications

Z24 - Outstanding results grinding stainless steel, high alloy steel, and all ferrous metals.

Z24 Long Life - Extended life when grinding stainless steel, high alloy steel, and all ferrous metals.

For Stainless Steel/Metal

Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
Type 27 - For Right Angle Grinders					
02864	3 x 1/4 x 3/8	Z24	18,000	20	
02867	4 x 1/4 x 3/8	Z24	15,280	20	
02868	4 x 1/4 x 5/8	Z24	15,280	20	
02872	4-1/2 x 1/4 x 7/8	Z24	13,580	20	
02873	4-1/2 x 1/4 x 5/8-11	Z24	13,580	20	
02876	5 x 1/4 x 7/8	Z24	12,225	20	
02877	5 x 1/4 x 5/8-11	Z24	12,225	20	
02881	7 x 1/4 x 7/8	Z24	8,600	20	
02882	7 x 1/4 x 7/8	Z24 Long Life	8,600	20	
02883	7 x 1/4 x 5/8-11	Z24	8,600	10	
02884	7 x 1/4 x 5/8-11	Z24 Long Life	8,600	10	
02888*	9 x 1/4 x 7/8	Z24 Long Life	6,600	20	
02889	9 x 1/4 x 5/8-11	Z24	6,600	10	
02890	9 x 1/4 x 5/8-11	Z24 Long Life	6,600	10	

* LIMITED QUANTITY

Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
For Steel/Metal					
Type 27 - For Right Angle Grinders					
02836	4 x 1/4 x 3/8	A24	15,280	20	
02837	4 x 1/4 x 5/8	A24	13,580	20	
02842	4-1/2 x 1/4 x 7/8	A24	13,580	20	
02843	4-1/2 x 1/4 x 5/8-11	A24	13,580	20	
02846	5 x 1/4 x 7/8	A24	12,225	20	
02847	5 x 1/4 x 5/8-11	A24	12,225	20	
02849	6 x 1/4 x 7/8	A24	10,185	20	
02853	7 x 1/4 x 7/8	A24	8,600	20	
02854	7 x 1/4 x 5/8-11	A24	8,600	10	
02857	9 x 1/4 x 7/8	A24	6,600	20	
02858	9 x 1/4 x 5/8-11	A24	6,600	10	
Type 28 - For Right Angle Grinders					
02859	7 x 1/4 x 7/8	A24	8,600	20	
02860	7 x 1/4 x 5/8-11	A24	8,600	10	
02861	9 x 1/4 x 7/8	A24	6,600	20	
02862	9 x 1/4 x 5/8-11	A24	6,600	10	

Order No.	Wheel Size	Grading	Max RPM	Wheels/Box	Price Each
For Stainless Steel					
Type 27 - For Right Angle Grinders					
03511	4-1/2 x 1/4 x 7/8	A30	13,580	20	
61560	4-1/2 x 1/4 x 5/8-11	A30	13,580	20	
For Aluminum					
Type 27 - For Right Angle Grinders					
03588	4-1/2 x 1/4 x 7/8	A46	13,580	20	
08158	4-1/2 x 1/4 x 5/8-11	A46	13,580	20	
03589	5 x 1/4 x 7/8	A46	12,225	20	
03594	7 x 1/4 x 5/8-11	A46	8,600	10	

THIN DEPRESSED CENTER WHEELS FOR CUTTING

GOLD ALUMINUM OXIDE ABRASIVE

Application

Ideal choice for cutting all types of metals and various alloy steels.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
For Steel/Metal					
Type 27 - For Right Angle Grinders					
61551	4-1/2 x 7/8 *	A30	13,580	20	
61553	5 x 7/8 *	A30	12,225	20	
61554	6 x 7/8 *	A30	10,185	20	
61555	7 x 1/16 x 7/8	A30	8,600	10	

* wheels 0.045 thick

DEPRESSED CENTER WHEELS

SERIES 891: (Continued)



DEPRESSED CENTER WHEELS FOR LIGHT GRINDING AND CUTTING

PREMIER RED ZIRCONIA ALUMINA ABRASIVE

Applications

Z24 - Outstanding results cutting and light grinding stainless steel, high alloy steel, and all ferrous metals.

Order No.	Wheel Size	Grading	Max RPM	Wheels/ Box	Price Each
For Stainless Steel/Metal					
Type 27 - For Right Angle Grinders					
9997349	4 x 1/8 x 3/8	Z24	15,280	25	
0004701	4-1/2 x 1/8 x 7/8	Z24	13,580	25	
0004702	4-1/2 x 1/8 x 5/8-11	Z24	13,580	10	
0004703	5 x 1/8 x 7/8	Z24	12,225	25	
0004706	7 x 1/8 x 5/8-11	Z24	8,600	10	
0004708	9 x 1/8 x 5/8-11	Z24	6,600	10	

GOLD ALUMINUM OXIDE ABRASIVE

Applications

A24 - Ideal choice for cutting and light grinding all types of ferrous metals and various alloy steels.

A30 - Ideal for cutting and light grinding all types of stainless steel and various hard alloys. Formulated to meet nuclear industry standards; no contamination of workpiece.



Order No.	Wheel Size	Grading	Max RPM	Wheels/ Box	Price Each
For Steel/Metal					
Type 27 - For Right Angle Grinders					
04709	4 x 1/8 x 3/8	A24	15,280	20	
04710	4-1/2 x 1/8 x 7/8	A24	13,580	20	
04711	4-1/2 x 1/8 x 5/8-11	A24	13,580	20	
04712	5 x 1/8 x 7/8	A24	12,225	20	
04716	7 x 1/8 x 5/8-11	A24	8,600	10	
04717	9 x 1/8 x 7/8	A24	6,600	10	
04718	9 x 1/8 x 5/8-11	A24	6,600	20	

DEPRESSED CENTER WHEEL ACCESSORIES



Metal Adaptor Kit

Application: This adaptor kit contains all the items necessary to mount depressed center wheels with 7/8" center holes on to standard portable right angle or vertical shaft grinders. Adaptor hubs are threaded for mounting onto standard 5/8"-11 NCRH spindles. This adaptor kit may be used with wheel thicknesses of 1/8" or 1/4". All depressed center wheels must use the proper adaptors for securely mounting the wheel to the spindle.

For Depressed Center Wheels

Order No.	Description	Kits/ Box	Price Each
89275	Adaptor Kit	1	

DEPRESSED CENTER WHEELS FOR CUTTING



PREMIER RED ZIRCONIA ALUMINA ABRASIVE

Application

Z24 - Outstanding results cutting stainless steel, high alloy steel, and all ferrous metals.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Stainless Steel/Metal					
Type 27 - For Right Angle Grinders					
02863	3 x .125 x 3/8	Z24	18,000	20	
02865	4 x .125 x 3/8	Z24	15,280	20	
02870	4-1/2 x .125 x 7/8	Z24	13,580	20	
02871	4-1/2 x .125 x 5/8-11	Z24	13,580	20	
02874	5 x .125 x 7/8	Z24	12,225	20	
02878	7 x .125 x 7/8	Z24	8,600	20	
02879	7 x .125 x 5/8-11	Z24	8,600	10	

GOLD ALUMINUM OXIDE

Applications

A24 - Ideal choice for cutting all types of ferrous metals and various alloy steels.

A30 - Engineered to cut all types of stainless steel and various hard alloys. Formulated to meet nuclear industry standards.



Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Steel/Metal					
Type 27 - For Right Angle Grinders					
02833	4 x .125 x 3/8	A24	15,280	20	
02834	4 x .125 x 5/8	A24	15,280	20	
02838	4-1/2 x .125 x 7/8	A24	13,580	20	
02839	4-1/2 x .125 x 5/8-11	A24	13,580	20	
02844	5 x .125 x 7/8	A24	12,225	20	
02848	6 x .125 x 7/8	A24	10,185	20	
02850	7 x .125 x 7/8	A24	8,600	20	
02851	7 x .125 x 5/8-11	A24	8,600	10	
02855	9 x .125 x 7/8	A24	6,600	20	
02856	9 x .125 x 5/8-11	A24	6,600	10	
For Stainless Steel					
Type 27 - For Right Angle Grinders					
61559	4-1/2 x .125x 5/8-11	A30	13,580	20	

CUT - OFF WHEELS

SERIES 175:



Fully fiberglass reinforced, resin bonded. For metal.



Wheel Size	Order No.	Price	Wheel Size	Order No.	Price
3 x 1/32 x 1/4	4500321		7 x 3/32 x 1-1/4	4500762	
3 x 1/32 x 3/8	4500324		7 x 1/8 x 5/8	4500781	
3 x 1/16 x 3/8	4500344		8 x 3/32 x 5/8	4500861	
4 x 1/16 x 1/2	4500440		8 x 1/8 x 5/8*	4500881	
6 x 1/16 x 1/2	4500640		9 x 1/8 x 5/8*	4500981	
6 x 1/16 x 5/8	4500641		10 x 3/32 x 5/8	4501061	
6 x 1/8 x 5/8*	4500681		10 x 1/8 x 5/8	4501081	
7 x 1/32 x 1-1/4**	4500722		12 x 1/8 x 1	4501283	
7 x 1/16 x 1/2	4500740		14 x 1/8 x 1	4501483	
7 x 1/16 x 5/8	4500741		16 x 1/8 x 1	4501683	
7 x 1/16 x 1-1/4**	4500743		18 x 1/8 x 1	4501883	
7 x 1/16 x 1-1/4	4500742		20 x 5/32 x 1	4502103	

Packaging: 25 pcs. per size up to and including 16" dia., 10 pcs. for 18" and 20" dia. wheels

* LIMITED QUANTITY

** NON-REINFORCED

CUT-OFF WHEELS

SERIES 892:



PRECISION TOOLROOM CUT-OFF WHEELS

REINFORCED ALUMINUM OXIDE ABRASIVE

Application: Used primarily for cutting off high speed steel drill bits and end mills as well as slotting dies.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
H.S.S. and Tool Steels					
18986	6 x .060 x 1-1/4	A60-OBFTK	10,190	10	
09197	7 x .035 x 5/8	A60-OBFTK	8,730	10	
09196	7 x .035 x 1-1/4	BA60-OBFTK	8,730	10	
09195	7 x .060 x 5/8	A60-OBFTK	8,730	10	
09194	7 x .060 x 1-1/4	BA60-OBFTK	8,730	10	
62844	7 x 1/16 x 1-1/4	A36-TBFW	8,730	10	
01911	8 x .035 x 5/8	A60-OBFTK	7,640	10	
01912	8 x .060 x 5/8	A60-OBFTK	7,640	10	
09192	8 x .060 x 1-1/4	A60-OBFTK	7,640	10	

REINFORCED CUT-OFF WHEELS FOR PORTABLE MACHINES

PREMIER RED CERAMIC ALUMINA/ZIRCONIA ALUMINA ABRASIVE BLEND

Application: High performance abrasive blend makes this product ideal for cutting all types of stainless steel and steel alloys. Used on hand held cut-off machines.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
For Stainless Steel/Metal					
03861	3 x 1/32 x 3/8	MZ60-T	25,445	50	
03863	3 x 1/16 x 3/8	MZ36-T	25,445	50	
04270	3 x 3/16 x 3/8	MZ36-T	25,445	50	
03507	4 x .035 x 3/8	MZ60-T	19,100	25	
03508	4 x 1/16 x 3/8	MZ36-T	19,100	25	
03509	4 x 1/8 x 3/8	MZ36-T	19,100	25	

NON-REINFORCED ALUMINUM OXIDE ABRASIVE

Application: For use on machines where the work is rigidly clamped and the wheel operates on a controlled cutting plane with no twisting or lateral stresses. Ideal for slotting dies or cutting off high speed steel drills and end mills.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
H.S.S. and Tool Steels					
09188	6 x 1/16 x 1-1/4	A60-OB5SW	7,640	10	
01923	7 x 1/32 x 1-1/4	A60-MB5SW	5,460	10	
09187	7 x 1/32 x 1-1/4	A60-OB5SW	5,460	10	
09186	7 x 1/32 x 1-1/4	A70-QB5SW	5,460	10	
09185	7 x 1/16 x 1-1/4	A46-OB5SW	6,550	10	
09184	7 x 1/16 x 1-1/4	A60-OB5SW	6,550	10	
09183	8 x 1/16 x 1-1/4	A46-OB5SW	5,730	10	
01926	8 x 1/16 x 1-1/4	A60-MB5SW	5,730	10	
62839	10 x 1/16 x 5/8	A46-QB5RW	4,585	10	
09181	10 x 1/16 x 5/8	A60-OB5SW	4,585	10	

GOLD ALUMINUM OXIDE ABRASIVE

Application: For cutting off ferrous metals, alloy steels and cast iron.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
For Steel/Metal					
09277	2 x .035 x 1/4	A60-OBFTK	30,560	25	
09275	2 x 1/16 x 1/4	A36-TBFW	30,560	25	
09269	3 x .035 x 1/4	A60-OBFTK	25,445	25	
09268	3 x .035 x 3/8	A60-OBFTK	25,445	25	
09267	3 x .060 x 1/4	A60-OBFTK	25,445	25	
09266	3 x .060 x 3/8	A60-OBFTK	25,445	25	
09265	3 x 1/16 x 1/4	A36-TBFW	25,445	25	
09264	3 x 1/16 x 1/4	A60-TBFW	25,445	25	
09263	3 x 1/16 x 3/8	A36-TBFW	25,445	25	
09262	3 x 1/16 x 3/8	A60-TBFW	25,445	25	
09261	3 x 1/8 x 1/4	A36-TBFW	25,445	25	
09260	3 x 1/8 x 3/8	A36-TBFW	25,445	25	
09258	4 x .035 x 1/4	A60-OBFTK	19,100	25	
09257	4 x .035 x 3/8	A60-OBFTK	19,100	25	
09255	4 x 1/16 x 1/4	A36-TBFW	19,100	25	
09254	4 x 1/16 x 3/8	A36-TBFW	19,100	25	
09252	4 x 1/8 x 3/8	A36-TBFW	19,100	25	

REINFORCED CUT-OFF WHEELS FOR RIGHT ANGLE GRINDERS

GOLD ALUMINUM OXIDE ABRASIVE

Application: For general purpose cutting of stainless steel, steel and metal material with a right angle grinder.



Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
Type 41 - For Steel / Metal					
27224	4 x 3/32 x 5/8	A60-Q	15,280	25	
27225	4-1/2 x 3/32 x 7/8	A60-Q	13,580	25	
27226	5 x 3/32 x 7/8	A60-Q	12,225	25	
27228	6 x 3/32 x 7/8	A60-Q	10,185	25	

Quality Abrasives



The Choice Is Yours!!!

CUT-OFF WHEELS

SERIES 892: (Continued)



REINFORCED CUT-OFF WHEELS FOR HIGH SPEED GAS SAWS



REINFORCED CUT-OFF WHEELS FOR STATIONARY MACHINES



PREMIER RED ZIRCONIA ALUMINA ABRASIVE

Application: Stationary cut-off wheels are used on fixed base machines.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Steel/Metal					
Fast Cut					
07057	10 x 3/32 x 5/8	2ZA30-TB35FW	6,110	10	
07061	20 x 5/32 x 1	2ZA30-TB35FW	2,710	5	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Steel/Metal					
Long Life					
07054	16 x 5/32 x 1	2ZA30-YB35FW	3,820	10	

* THESE WHEELS ARE INTERNALLY REINFORCED.

GOLD ALUMINUM OXIDE ABRASIVE

Application

Stationary cut-off wheels are used on fixed base machines.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Steel/Metal					
Fast Cut					
09216	10 x 3/32 x 5/8	A30-RBFW	6,110	10	
07069	12 x 1/8 x 1	A30-RBFW	5,095	10	
07070	14 x 1/8 x 1	A30-RBFW	4,365	10	
07071	16 x 5/32 x 1	A30-RBFW	3,820	10	
07072	20 x 5/32 x 1	A30-RBFW	2,710	5	
09204	20 x 3/16 x 1	A30-RBFIW+	2,710	5	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Steel/Metal					
Long Life					
07063	10 x 3/32 x 5/8	A24-TBFW	6,110	10	
07065	14 x 1/8 x 1	A24-TBFW	4,365	10	
07066	16 x 5/32 x 1	A24-TBFW	3,820	10	
07067	20 x 5/32 x 1	A24-TBFW	2,710	5	
07068	20 x 3/16 x 1	A24-TBFIW+	2,710	5	

* THESE WHEELS ARE INTERNALLY REINFORCED.



ALUMINUM OXIDE ABRASIVE

Application

For use on high speed gas and electric saws to cut metal or steel.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Steel / Metal Cutting					
9965124	12 x 1/8 x 20 mm	A24 Metal	6,300	10	
65125	12 x 1/8 x 1 (25mm)	A24 Metal	6,300	10	
65126	14 x 1/8 x 20 mm	A24 Metal	5,400	10	
65127	14 x 1/8 x 1 (25mm)	A24 Metal	5,400	10	

SILICON CARBIDE

Application

For use on high speed gas and electric saws for cutting concrete or masonry.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Masonry / Concrete					
65129	12 x 1/8 x 20 mm	C24 Concrete	6,300	10	
65130	12 x 1/8 x 1 (25 mm)	C24 Concrete	6,300	10	
65131	14 x 1/8 x 20 mm	C24 Concrete	5,400	10	
65132	14 x 1/8 x 1 (25 mm)	C24 Concrete	5,400	10	

REINFORCED CUT-OFF WHEELS FOR CHOP SAWS



PREMIER RED ZIRCONIA ALUMINA ABRASIVE

Application

For use on table-top machines.

Best choice for cutting light tubing, angle iron, exhaust pipes, steel extrusions, stainless, alloyed steel and many nonferrous metals.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Steel / Metal - Fast Cut					
07079	12 x 7/64 x 1	2ZA36-NB35FW	5,095	10	
07080	14 x 7/64 x 1	2ZA36-NB35FW	4,365	10	
07083	16 x 7/64 x 1	2ZA36-NB35FW	3,820	10	
For Steel / Metal - Long Life					
07082	14 x 7/64 x 1	2ZA36-PB35FW	4,365	10	

GOLD ALUMINUM OXIDE ABRASIVE

Application

For use on table-top machines. Ideal for cutting light tubing, angle iron, exhaust pipes and steel extrusions.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Steel / Metal - Fast Cut					
07087	14 x 7/64 x 1	A36-NBFW	4,365	10	\$16.55
For Steel / Metal - Long Life					
07085	12 x 7/64 x 1	A36-PBFW	5,095	10	
07086	14 x 7/64 x 1	A36-PBFW	4,365	10	
07088	16 x 7/64 x 1	A36-PBFW	3,820	10	



TOOL POST WHEELS

SERIES 902:

ALUMINUM OXIDE ABRASIVE

Application: Ideal for grinding steel on high speed tool post grinders and universal attachments on cylindrical grinders.

Order No.	Wheel Size	Grading	Max RPM	Wheels/ Box	Price Each
For Steel/Metal					
Type 1 - For Tool Post Grinders					
09907	2 x 1/2 x 3/8	A36-P5B6	18,145	10	



PORTABLE SNAGGING CUP AND STRAIGHT WHEELS

CUP WHEELS

SERIES 893:



PREMIER RED ZIRCONIA ALUMINA ABRASIVE

Application: Best choice for grinding steel, steel alloys and cast iron. Used for grinding weld seams, cleaning metal before welding, grinding off fins and parting lines, smoothing surfaces on castings and smoothing surfaces before painting or plating.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Metal/Steel					
Full Steel Back Bushing					
99694	6 / 4-13/16 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	2ZA16-QB64	6,000	10	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Metal/Steel					
Standard Back Bushing					
09156	5 / 3-3/4 x 2 x 5/8-11 Rim 1, Back 3/4	2ZA16-QB64	7,260	10	
08397	6 / 4-3/4 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	2ZA14-QB64	6,000	10	
07176	6 / 4-3/4 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	2ZA16-QB64	6,000	10	
09155	6 / 4-3/4 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	2ZA16-PB64	6,000	10	

STRAIGHT WHEELS

PREMIER RED ZIRCONIA ALUMINA ABRASIVE

Application: Use when grinding with a hand-held machine. Best choice for grinding steel, steel alloys and cast iron.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Steel/Metal					
09169	6 x 1 x 5/8	2ZA14-RBF64	8,000	5	
09167	8 x 1 x 5/8	2ZA14-RBF64	6,000	5	

ALUMINUM OXIDE ABRASIVE

Application: Economical choice for grinding steel, steel alloys and all ferrous metals.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Metal/Steel					
Full Steel Back Bushing					
07182	6 / 4-13/16 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	A16-PB5	6,000	10	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Metal/Steel					
Standard Back Bushing					
09166	4 / 3 x 2 x 5/8-11 Rim 3/4, Back 3/4	A16-PB5	9,070	10	
09162	5 / 3-3/4 x 2 x 5/8-11 Rim 1, Back 3/4	A24-PB5	7,260	10	
09160	6 / 4-3/4 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	A16-PB5	6,000	10	
09159	6 / 4-3/4 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	A24-PB5	6,000	10	

ALUMINUM OXIDE/SILICON CARBIDE ABRASIVE BLEND

Application: Economical choice for grinding sand impregnated castings, aluminum, and cast iron.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Aluminum/Cast Iron					
Full Steel Back Bushing					
07183	6 / 4-13/16 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	CGA16-QB5	6,000	10	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Aluminum/Cast Iron					
Standard Back Bushing					
07181	6 / 4-13/16 x 2 x 5/8-11 Rim 1-1/2, Back 3/4	CGA16-QB5	6,000	10	

REINFORCED ALUMINUM OXIDE ABRASIVE

Application: Use when grinding with a hand-held machine. Ideal for grinding steel, steel alloys and cast iron.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Steel/Metal					
9997347	8 x 1 x 5/8	GA16-P5BF5	4,540	5	



GRINDING WHEELS



Packaging for Straight Wheels:

Up to 3/4" width - 10 pcs. per carton
 3/4" width and over - 5 pcs. per carton
 All 12" Diameter - 2 pcs. per carton

WHITE ALUMINUM OXIDE SURFACE GRINDING WHEELS

SERIES 180:



Type 1 (except as noted; see below)

Size	Grit	Hardness	Order No.	Price
7 x 1/4 x 1-1/4	46	I	4601621	
7 x 1/4 x 1-1/4	60	I	4601631	
7 x 1/4 x 1-1/4	60	J	4601632	
7 x 1/4 x 1-1/4	60	K	4601633	
7 x 1/4 x 1-1/4	80	J	4601642	
7 x 1/4 x 1-1/4	80	K	4601643	
7 x 1/4 x 1-1/4	100	K	4601653	
7 x 1/4 x 1-1/4	150	K	4601673	
7 x 1/2 x 1-1/4	46	H	4603220	
7 x 1/2 x 1-1/4	46	I	4603221	
7 x 1/2 x 1-1/4	46	J	4603222	
7 x 1/2 x 1-1/4	46	K	4603223	
7 x 1/2 x 1-1/4	60	H	4603230	
7 x 1/2 x 1-1/4	60	I	4603231	
7 x 1/2 x 1-1/4	60	J	4603232	
7 x 1/2 x 1-1/4	60	K	4603233	
7 x 1/2 x 1-1/4	80	J	4603242	
7 x 1/2 x 1-1/4	80	K	4603243	
7 x 1/2 x 1-1/4	100	K	4603253	
7 x 1/2 x 1-1/4	150	K	4603273	
7 x 3/4 x 1-1/4	46	I	4604821	
7 x 3/4 x 1-1/4	46	J	4604822	
7 x 3/4 x 1-1/4	46	K	4604823	
7 x 3/4 x 1-1/4	60	I	4604831	
7 x 3/4 x 1-1/4	60	J	4604832	
7 x 3/4 x 1-1/4	60	K	4604833	
7 x 3/4 x 1-1/4	80	K	4604843	
7 x 1 x 1-1/4	46	H	4606420	
7 x 1 x 1-1/4	46	I	4606421	
7 x 1 x 1-1/4	46	J	4606422	
7 x 1 x 1-1/4	46	K	4606423	
7 x 1 x 1-1/4	60	I	4606431	
7 x 1 x 1-1/4	60	J	4606432	
7 x 1 x 1-1/4	60	K	4606433	
7 x 1 x 1-1/4	100	K	4606453	
8 x 1/2 x 1-1/4	46	K	4613241	
8 x 1/2 x 1-1/4	60	H	4613240	
8 x 1/2 x 1-1/4	60	I	4613245	
8 x 1/2 x 1-1/4	60	J	4613232	
8 x 1/2 x 1-1/4	80	K	4613243	

Note: 7" x 3/4" x 1 - 1/4" Wheels are recessed 1 side (3" x 1/4"); Type 5
 7" x 1" x 1 - 1/4" Wheels are recessed 1 side (3" x 1/2"); Type 5

GREEN SILICON CARBIDE SURFACE GRINDING WHEELS

SERIES 186:



TYPE 1

Size	Grit	Hardness	Order No.	Price
7 x 1/2 x 1-1/4	60	I	1407323	
7 x 1/2 x 1-1/4	80	I	1407324	
7 x 1/2 x 1-1/4	100	I	1407325	

WHITE ALUMINUM OXIDE CUP WHEELS

SERIES 181: Flaring Type 11 - 4/3 x 1-1/2 x 1-1/4

SERIES 182: Straight Type 6 - 5 x 1-1/2 x 1-1/4



Size	Grit	Hardness	Order No.	Price
4/3 x 1-1/2 x 1-1/4	46	H	1370420	
4/3 x 1-1/2 x 1-1/4	46	I	1370421	
4/3 x 1-1/2 x 1-1/4	46	J	1370422	
4/3 x 1-1/2 x 1-1/4	46	K	1370423	
4/3 x 1-1/2 x 1-1/4	60	H	1370430	
4/3 x 1-1/2 x 1-1/4	60	I	1370431	
4/3 x 1-1/2 x 1-1/4	60	J	1370432	
4/3 x 1-1/2 x 1-1/4	60	K	1370433	
4/3 x 1-1/2 x 1-1/4	80	K	1370443	
5 x 1-1/2 x 1-1/4	46	H	1375520	
5 x 1-1/2 x 1-1/4	46	I	1375521	
5 x 1-1/2 x 1-1/4	46	J	1375522	
5 x 1-1/2 x 1-1/4	46	K	1375523	
5 x 1-1/2 x 1-1/4	60	H	1375530	
5 x 1-1/2 x 1-1/4	60	I	1375531	
5 x 1-1/2 x 1-1/4	60	J	1375532	
5 x 1-1/2 x 1-1/4	60	K	1375533	
5 x 1-1/2 x 1-1/4	80	K	1375543	

Packaging for Cup Wheels: 20 Pcs. Per carton

GREEN SILICON CARBIDE PLATE MOUNTED GRINDING WHEELS

SERIES 187: MEDA - SUPERIOR IMPORT

SERIES 890: CARBORUNDUM

Type 2

SIZE: 6 x 1 x 1-1/4 with 4 bolt holes.



Grit and Hardness	Order No.	Price
60I	1410003	
80I	1410004	
100I	1410005	
120I	1410006	



Order No.	Grading	Max RPM	Wheels/Box	Price
09566	GC60-IVGC	3,600	2	
09564	GC120IVGC	3,600	2	



GREEN SILICON CARBIDE SURFACE GRINDING WHEELS

SERIES 186:



TYPE 1

Size	Grit	Hardness	Order No.	Price
7 x 1/2 x 1-1/4	60	I	1407323	
7 x 1/2 x 1-1/4	80	I	1407324	
7 x 1/2 x 1-1/4	100	I	1407325	

DISH WHEEL

SERIES 187: Type 12

For saw sharpening and tool and cutter grinding.

Size: 6 x 3/4 x 1-1/4"

Grit: 60

Hardness: H

Order No. 6340600

Price



TOOLROOM WHEELS

SERIES 890:



TOOLROOM GRINDING APPLICATIONS

Toolrooms are found in almost every manufacturing plant throughout the country. They may be called by other names such as: machine shops, maintenance shops or repair shops, however the work done is virtually the same. Toolroom grinding involves the production, maintenance and repair of cutting tools and machinery parts used in all types of manufacturing operations.

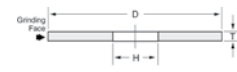
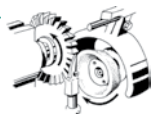
Surface Grinding

The grinding of flat, contoured or angular surfaces on a workpiece which is passed in a horizontal plane against a revolving grinding wheel. Surface grinding applications range from heavy, rapid stock removal operations to precision contouring.



Tool and Cutter Grinding

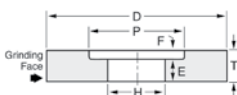
The grinding or resharping of milling cutters, reamers, drills or end mills for the purpose of restoring keen cutting edges or exact cutting angles.



TYPE 1 STRAIGHT



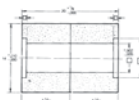
TYPE 2 CYLINDER



TYPE 5 RECESSED ONE SIDE



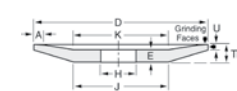
TYPE 6 STRAIGHT CUP



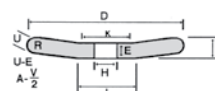
TYPE 7 RECESSED TWO SIDES



TYPE 11 FLARING CUP



TYPE 12 DISH



TYPE 13 SAUCER



Medalist Ceramic Alumina

Medalist blue wheels are ideal for grinding all high speed tool steels, especially the most difficult to grind. For the highest productivity, longest life and coolest grind on moderate to very heavy stock removal applications.



Gold 32AR

32AR abrasive is the industry's best, most versatile aluminum oxide abrasive for toolroom grinding and is ideal for grinding all types of tool steels. Great for medium to heavy stock removal. Gold 32AR wheels are gray/purple in color.



AA

AA is our most friable aluminum oxide abrasive. It is outstanding for cool, fast cutting action on high speed steels and cast alloy steels. Best for light to medium stock removal. AA wheels are white in color.



GC

GC is the abrasive of choice for grinding carbide tooling, as well as other nonferrous materials because silicon carbide is very sharp and very hard. GC wheels are green in color.

How To Use Toolroom Basics

- Abrasive: Select abrasive type based on performance, stock removal rate and material style.
- Grit Size: Select the grit size depending on finish required, stock removal rate needed and corner/form holding requirements.
- Bond: Select the appropriate bond based on the abrasive selected, and the contact area.*
- Grade: Selection based on bond selected, contact area* and heat sensitivity/thickness of material to be ground.

Toolroom Basics

Productivity	Abrasive	Color	Grit	Grade	Narrow Contact Form Holding Bond	Medium/Wide Contact Area Porous Bond	Dressing Tool
Highest	More Durable Medalist	Blue	46 (Coarse)	F (Soft)	VL	VLP	Medalist Tool
↕	↕		↕	↕			
Standard	More Friable	Gray/Purple	220 (Fine)	Q (Hard)	V40	V40P	Standard Tool
	AA	White			V40	V40P	Standard Tool

Grade Selections:

General Conditions and Needs	Normal Grade Range	Starting Grade	Bond
Narrow contact area* or form holding	K - L	K	VL, V40
General surface grinding	H - K	J	VL, V40
Medium/Wide contact area*, cooler grind	F - H	H	VLP, V40P

Grit:

Grit	Requirements	Finish	Minimum Corner Radius
46	General purpose	32 Ra and rougher	0.020"
60	Commercial finish	32 Ra and better	0.015"
80	Fine finish	20 Ra and better	0.010"
120	Very fine finish	10 Ra and better	0.006"
150	Corner/form holding		0.005"
180	Corner/form holding		0.0035"
220	Corner/form holding		0.002"

*Definitions of Contact Area:

- Wide: The contact area of the grind is greater than 50% of the wheel width or over 1/2" wide.
- Medium: The contact area of the grind is 25% - 50% of the wheel width or over 1/4" - 1/2" wide.
- Narrow: The contact area of the grind is less than 25% of the wheel width or less than 1/4" wide.

(Continued)



TOOLROOM WHEELS

SERIES 890:
(Continued)



CarboCool high porosity wheels for heavy stock removal available; please inquire.

AA ALUMINUM OXIDE ABRASIVE

Application: AA is ideal for grinding heat sensitive steels, as well as easy and medium-to-grind high speed steels.

- Use V40 bond for general purpose applications or medium contact areas.
- Use V40P bond on wide contact areas where heat is an issue.




GOLD 32AR ALUMINUM OXIDE ABRASIVE

Application: Ideal for moderate to heavy infeed rates, rapid stock removal and precision contouring. Use V40 bond for general purpose applications or medium contact areas. Use V40P bond on wide contact areas where heat is an issue.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Medium-to-Grind Steels					
Type 1 - For Surface, Cylindrical and Tool & Cutter Grinders					
09874	7 x 1/4 x 1-1/4	AA60-KV40	3,600	10	
27714	7 x 1/4 x 1-1/4	AA100-KV40	3,600	10	
09866	7 x 1/4 x 1-1/4	AA150-KV40	3,600	10	
09865	7 x 1/4 x 1-1/4	AA46-HV40	3,600	10	
09864	7 x 1/2 x 1-1/4	AA46-IV40P	3,600	5	
09863	7 x 1/2 x 1-1/4	AA46-JV40	3,600	5	
09860	7 x 1/2 x 1-1/4	AA60-IV40	3,600	5	
09859	7 x 1/2 x 1-1/4	AA60-JV40	3,600	5	
09858	7 x 1/2 x 1-1/4	AA80-HV40	3,600	5	
09854	7 x 1/2 x 1-1/4	AA80-KV40	3,600	5	
09852	7 x 1/2 x 1-1/4	AA100-IV40	3,600	5	
62180	7 x 1/2 x 1-1/4	AA46-KV40	3,600	5	
09848	7 x 3/4 x 1-1/4	AA60-IV40	3,600	5	
09844	8 x 1/4 x 1-1/4	AA100-KV40	3,600	5	
09841	8 x 1/2 x 1-1/4	AA46-HV40P	3,600	5	
09836	8 x 1/2 x 1-1/4	AA60-IV40	3,600	5	
62190	8 x 1/2 x 1-1/4	AA60-JV40	3,600	5	
27716	8 x 1/2 x 1-1/4	AA80-JV40	3,600	5	
09827	8 x 3/4 x 1-1/4	AA46-JV40	3,600	5	
09814	10 x 1 x 3	AA46-JV40	2,485	2	
09810	12 x 1 x 3	AA46-JV40	2,070	2	
01900	12 x 1 x 5	AA46-IV40	2,070	2	
09807	12 x 1 x 5	AA60-JV40	2,070	2	
09806	14 x 1 x 5	AA46-JV40	1,800	2	
62172	14 x 1-1/2 x 5	AA46-GV40P	1,800	1	
09804	14 x 1-1/2 x 5	AA46-IV40	1,800	1	
09803	14 x 1-1/2 x 5	AA46-JV40	1,800	1	
Type 5 - For Surface Grinders - For Medium-to-Grind Steels					
09798	7 x 1 x 1-1/4 Recess 1/8 x 3/8	AA46-IV40	3,600	5	
Type 6 - For Tool & Cutter Grinders - For Medium-to-Grind Steels					
09793	4 x 2 x .787 (20mm) Rim 3/8, Back 3/8	AA80-JV40	5,730	5	
Type 11 - For Tool & Cutter Grinders - For Medium-to-Grind Steels					
09783	5 / 3-3/4 x 1-3/4 x 1-1/4 Rim 1/4, Back 1/2	AA60-JV40	4,585	5	
09782	5 / 3-3/4 x 1-3/4 x 1-1/4 Rim 1/4, Back 1/2	AA60-KV40	4,585	5	
09781	6 / 4-1/2 x 2 x 1-1/4 Rim 3/8, Back 1/2	AA46-KV40	4,585	5	
Type 12 - For Tool & Cutter Grinders - For Medium-to-Grind Steels					
09777	6 x 1/2 x 1-1/4 Rim 3/8, Back 5/16 J=3 K=3	AA60-JV40	4,410	5	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/ Box	Price Each
For Grinding All Tool Steels					
Type 1 - For Surface, Cylindrical and Tool & Cutter Grinders					
27691	6 x 1/4 x 1-1/4	32AR60-KV40	4,140	10	
27692	6 x 1/2 x 1-1/4	32AR60-JV40	4,140	10	
27686	7 x 1/4 x 1-1/4	32AR46-HV40	3,600	10	
27688	7 x 1/4 x 1-1/4	32AR46-JV40	3,600	10	
27689	7 x 1/4 x 1-1/4	32AR60-IV40	3,600	10	
27311	7 x 1/4 x 1-1/4	32AR60-JV40	3,600	10	
27312	7 x 1/4 x 1-1/4	32AR60-KV40	3,600	10	
27315	7 x 1/4 x 1-1/4	32AR80-KV40	3,600	10	
62246	7 x 1/4 x 1-1/4	32AR100-JV40	3,600	10	
62249	7 x 1/4 x 1-1/4	32AR120-KV40	3,600	10	
27317	7 x 1/2 x 1-1/4	32AR46-GV40P	3,600	5	
27319	7 x 1/2 x 1-1/4	32AR46-HV40	3,600	5	
27318	7 x 1/2 x 1-1/4	32AR46-HV40P	3,600	5	
27321	7 x 1/2 x 1-1/4	32AR46-IV40	3,600	5	
27322	7 x 1/2 x 1-1/4	32AR46-JV40	3,600	5	
27323	7 x 1/2 x 1-1/4	32AR46-KV40	3,600	5	
27326	7 x 1/2 x 1-1/4	32AR60-HV40	3,600	5	
27327	7 x 1/2 x 1-1/4	32AR60-IV40	3,600	5	
27328	7 x 1/2 x 1-1/4	32AR60-JV40	3,600	5	
27329	7 x 1/2 x 1-1/4	32AR60-KV40	3,600	5	
27330	7 x 1/2 x 1-1/4	32AR80-IV40	3,600	5	
27331	7 x 1/2 x 1-1/4	32AR80-KV40	3,600	5	
27337	7 x 3/4 x 1-1/4	32AR60-KV40	3,600	5	
62264	8 x 1/4 x 1-1/4	32AR60-JV40	3,600	5	
27338	8 x 1/4 x 1-1/4	32AR60-KV40	3,600	5	
27339	8 x 1/4 x 1-1/4	32AR80-KV40	3,600	5	
27340	8 x 1/2 x 1-1/4	32AR46-GV40	3,105	5	
27342	8 x 1/2 x 1-1/4	32AR46-HV40	3,105	5	
27341	8 x 1/2 x 1-1/4	32AR46-HV40P	3,600	5	
27343	8 x 1/2 x 1-1/4	32AR46-IV40	3,105	5	
27344	8 x 1/2 x 1-1/4	32AR46-JV40	3,600	5	
27345	8 x 1/2 x 1-1/4	32AR46-KV40	3,600	5	
27347	8 x 1/2 x 1-1/4	32AR60-HV40	3,600	5	
27348	8 x 1/2 x 1-1/4	32AR60-IV40	3,600	5	

(Continued)



While we show only the most popular **CARBORUNDUM ABRASIVES®** items we can supply their entire range of products. See our website or inquire.

MACHINE SHOP DISCOUNT SUPPLY

TOOLROOM WHEELS

SERIES 890:
(Continued)



CarboCool high porosity wheels for heavy stock removal available. See our website or inquire.

GOLD 32AR ALUMINUM OXIDE ABRASIVE

APPLICATION:

Ideal for moderate to heavy infeed rates, rapid stock removal and precision contouring. Use V40 bond for general purpose applications or medium contact areas. Use V40P bond on wide contact areas where heat is an issue.



For Grinding All Tool Steels

Type 1 - For Surface, Cylindrical and Tool & Cutter Grinders

Order No.	Wheel Size	Grading	Max RPM	Wheels/Box	Price Each
27349	8 x 1/2 x 1-1/4	32AR60-JV40	3,600	5	
27353	8 x 3/4 x 1-1/4	32AR46-IV40	3,105	5	
27354	8 x 3/4 x 1-1/4	32AR46-JV40	3,600	5	
27355	8 x 3/4 x 1-1/4	32AR60-IV40	3,600	5	
27356	8 x 3/4 x 1-1/4	32AR60-JV40	3,600	5	
62201	10 x 3/4 x 3	32AR60-KV40	2,485	5	
27697	10 x 1 x 3	32AR46-GV40P	2,485	5	
27359	10 x 1 x 3	32AR46-IV40	2,485	2	
27360	10 x 1 x 3	32AR60-IV40	2,485	2	
62204	10 x 1 x 3	32AR60-KV40	2,485	2	
27361	12 x 1 x 3	32AR46-HV40	2,070	2	
62216	12 x 1 x 3	32AR46-IV40	2,070	2	
27362	12 x 1 x 3	32AR60-JV40	2,070	2	
27364	12 x 1 x 3	32AR60-JV40	2,070	2	
27365	12 x 1 x 5	32AR46-IV40	2,070	2	
62221	12 x 1-1/4 x 3	32AR46-IV40	2,070	2	
27368	12 x 1-1/2 x 5	32AR46-HV40	2,070	2	
27369	12 x 1-1/2 x 5	32AR46-IV40	2,070	2	
62224	12 x 1-1/2 x 5	32AR46-JV40	2,070	2	
62226	12 x 1-1/2 x 5	32AR60-HV40	2,070	2	
62316	12 x 2 x 5	32AR46-IV40	2,070	1	
62230	14 x 1 x 5	32AR46-HV40	1,800	2	
27370	14 x 1 x 5	32AR46-JV40	1,800	2	
27371	14 x 1 x 5	32AR60-JV40	1,800	2	
27372	14 x 1-1/2 x 5	32AR46-HV40	1,800	1	
27673	14 x 1-1/2 x 5	32AR46-IV40	1,800	1	
27700	14 x 1-1/2 x 5	32AR46-JV40	1,800	1	
62240	14 x 2 x 5	32AR46-IV40	1,800	1	
62242	14 x 2 x 5	32AR60-KV40	1,800	1	

For Grinding All Tool Steels

Type 5 - For Surface Grinders

27703	7 x 1 x 1-1/4	32AR46-HV40	3,600	5	
27675	Recess 1/8 2-3/4 x 1/2	32AR46-IV40	3,600	5	
27704	7 x 1 x 1-1/4	32AR60-IV40	3,600	5	
27677	Recess 1/8 2-3/4 x 1/2	32AR46-IV40	3,105	5	
9927678	8 x 1 x 1-1/4	32AR46-JV40	3,600	5	
62277	Recess 1/8 3-1/4 x 1/2	32AR46-IV40	2,070	2	
62281	12 x 1-1/2 x 5	32AR46-IV40	2,070	2	
62283	Recess 1/8 7-1/2 x 1/2	32AR60-IV40	1,800	1	
	14 x 1-1/2 x 5	32AR60-IV40	1,800	1	
	Recess 1/8 8 x 1/2	32AR60-KV40	1,800	1	
	14 x 2 x 5	32AR60-KV40	1,800	1	
	Recess 1/8 8 x 1	32AR60-KV40	1,800	1	

Type 6 - For Tool & Cutter Grinders (Straight Cup) For Grinding all Tool Steels (con't)

Order No.	Wheel Size	Grading	Max RPM	Wheels/Box	Price Each
62288	5 x 1-1/2 x 1-1/4	32AR46-KV40	4,585	5	
27705	Rim 3/8, Back 3/8 5 x 1-1/2 x 1-1/4	32AR60-KV40	4,585	5	
	Rim 3/8, Back 3/8				

Type 7 - For Surface Grinders - For Grinding all Tool Steels

62292	12 x 2 x 5	32AR46-HV40	2,070	1	
62294	Recess 2/S 7-1/2 x 1/2 12 x 2 x 5	32AR46-KV40	2,070	1	
	Recess 2/S 7-1/2 x 1/2				

For Grinding all Tool Steels

Type 11 - For Tool & Cutter Grinders (Flaring Cup)

27679	4 / 3 x 1-1/2 x 1-1/4	32AR46-KV40	5,730	5	
27680	Rim 1/4, Back 1/2 4 / 3 x 1-1/2 x 1-1/4	32AR60-JV40	5,730	5	
27681	Rim 1/4, Back 1/2 4 / 3 x 1-1/2 x 1-1/4	32AR60-KV40	5,730	5	
27682	Rim 1/4, Back 1/2 5 / 3-3/4 x 1-3/4 x 1-1/4	32AR46-JV40	4,585	5	
27684	Rim 1/4, Back 1/2 5 / 3-3/4 x 1-3/4 x 1-1/4	32AR46-KV40	4,585	5	
27685	Rim 1/4, Back 1/2 5 / 3-3/4 x 1-3/4 x 1-1/4	32AR60-JV40	4,585	5	
27683	Rim 1/4, Back 1/2 5 / 3-3/4 x 1-3/4 x 1-1/4	32AR60-KV40	4,585	5	
62301	Rim 1/4, Back 1/2 6 / 4-1/2 x 2 x 1-1/4	32AR46-IV40	3,820	5	
	Rim 3/8, Back 1/2				

For Grinding All Tool Steels

Type 12 - For Tool & Cutter Grinders (Dish)

27707	6 x 1/2 x 1-1/4	32AR60-JV40	4,410	5	
62303	Rim 3/8, Back 5/16 J=3 K=3 10 x 1 x 1-1/4	32AR54-JV40	2,485	2	
	Rim 2, Back 11/16 J=6-1/4 K=3-5/8				



While we show only the most popular **CARBORUNDUM ABRASIVES®** items we can supply their entire range of products. See our website or inquire.

(Continued)



TOOLROOM WHEELS
SERIES 890: (Continued)



MEDALIST CERAMIC ALUMINA ABRASIVE

Application

The best choice for grinding various tool steels. Medalist has the versatility to grind easy to difficult-to-grind steels. Use VL bond for general purpose applications or medium contact areas. Use VLP bond on wide contact areas where heat is an issue.

Key Operating Tips for Maximizing Grinding Performance with Medalist Wheels

Change one parameter at a time.

- Increase infeed 50%
- Increase traverse rate 25%
- Reduce dressing infeed 25%



CarboCool high porosity wheels for heavy stock removal available. See our website or inquire.

Order No.	Wheel Size	Grading	Max RPM	Wheels/Box	Price Each
For Difficult-to-Grind Steels					
Type 1 - For Surface, Cylindrical and Tool & Cutter Grinders					
62350	6 x 1/4 x 1-1/4	80-KVL	4,140	10	
62351	7 x 1/4 x 1-1/4	46-JVL	3,600	10	
27241	7 x 1/4 x 1-1/4	60-IVL	3,600	10	
27242	7 x 1/4 x 1-1/4	60-JVL	3,600	10	
27243	7 x 1/4 x 1-1/4	60-KVL	3,600	10	
27244	7 x 1/4 x 1-1/4	80-JVL	3,600	10	
27245	7 x 1/4 x 1-1/4	80-KVL	3,600	10	
27247	7 x 1/4 x 1-1/4	100-KVL	3,600	10	
27248	7 x 1/2 x 1-1/4	46-GVLP	3,600	5	
27250	7 x 1/2 x 1-1/4	46-IVL	3,600	5	
27249	7 x 1/2 x 1-1/4	46-IVLP	3,600	5	
27251	7 x 1/2 x 1-1/4	46-JVL	3,600	5	
27252	7 x 1/2 x 1-1/4	46-KVL	3,600	5	
27255	7 x 1/2 x 1-1/4	60-IVL	3,600	5	
27256	7 x 1/2 x 1-1/4	60-JVL	3,600	5	
27257	7 x 1/2 x 1-1/4	60-KVL	3,600	5	
27260	7 x 1/2 x 1-1/4	80-JVL	3,600	5	
27261	7 x 1/2 x 1-1/4	80-KVL	3,600	5	
27262	7 x 3/4 x 1-1/4	46-KVL	3,600	5	
27264	7 x 1 x 1-1/4	46-JVL	3,600	5	
9927267	8 x 1/2 x 1-1/4	46-GVLP	3,105	5	
27268	8 x 1/2 x 1-1/4	46-IVL	3,105	5	
27269	8 x 1/2 x 1-1/4	46-JVL	3,600	5	
27270	8 x 1/2 x 1-1/4	46-KVL	3,600	5	
27271	8 x 1/2 x 1-1/4	60-IVL	3,600	5	
27272	8 x 1/2 x 1-1/4	60-JVL	3,600	5	
27273	8 x 1/2 x 1-1/4	60-KVL	3,600	5	
27274	8 x 3/4 x 1-1/4	46-IVL	3,105	5	
27275	8 x 3/4 x 1-1/4	46-JVL	3,600	5	
27276	8 x 3/4 x 1-1/4	46-KVL	3,600	5	
27277	8 x 3/4 x 1-1/4	60-JVL	3,600	5	
27279	10 x 1 x 3	46-IVL	2,485	1	
27280	10 x 1 x 3	46-JVL	2,485	1	
27282	10 x 1 x 3	60-JVL	2,485	1	
27283	12 x 1 x 3	46-IVL	2,070	1	
27284	12 x 1 x 3	46-JVL	2,070	1	
27287	12 x 1 x 5	46-JVL	2,070	1	
27290	12 x 1 x 5	60-JVL	2,070	1	
62337	12 x 1-1/2 x 5	60-GVLP	2,070	1	
27292	14 x 1 x 5	46-JVL	1,800	1	
27293	14 x 1 x 5	60-JVL	1,800	1	
27294	14 x 1-1/2 x 5	46-GVLP	1,800	1	
27295	14 x 1-1/2 x 5	46-IVL	1,800	1	
27296	14 x 1-1/2 x 5	46-JVL	1,800	1	
62346	14 x 1-1/2 x 5	60-IVL	1,800	1	
27298	14 x 1-1/2 x 5	60-JVL	1,800	1	
62348	14 x 2 x 5	46-JVL	1,800	1	
62349	14 x 2 x 5	60-JVL	1,800	1	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
For Difficult-to-Grind Steels					
Type 5 - For Surface Grinders					
27300	7 x 1 x 1-1/4 Recess 1/S 2-3/4 x 1/2	46-JVL	3,600	5	
27301	7 x 1 x 1-1/4 Recess 1/S 2-3/4 x 1/2	60-JVL	3,600	5	
62370	7 x 1 x 1-1/4 Recess 1/S 3 x 1/2	60-KVL	3,600	5	
62366	12 x 1-1/2 x 5 Recess 1/S 7-1/2 x 1/2	46-GVLP	2,070	2	
62367	14 x 1-1/2 x 5 Recess 1/S 8 x 1/2	46-JVL	1,800	1	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
Type 11 - For Tool & Cutter Grinders (Flaring Cup)					
27302	4 / 3 x 1-1/2 x 1-1/4 Rim 1/4, Back 1/2	46-JVL	5,730	5	
27303	4 / 3 x 1-1/2 x 1-1/4 Rim 1/4, Back 1/2	60-JVL	5,730	5	
27305	5 / 3-3/4 x 1-3/4 x 1-1/4 Rim 1/4, Back 1/2	46-JVL	5,730	5	
27306	5 / 3-3/4 x 1-3/4 x 1-1/4 Rim 1/4, Back 1/2	60-KVL	4,585	5	

Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
Type 12 - For Tool & Cutter Grinders (Dish)					
27308	6 x 1/2 x 1-1/4 Rim 3/8, Back 5/16 J=3 K=3	46-JVL	4,140	5	
62380	8 x 1-9/16 x 1-1/4 Rim 7/16, Back 25/32 J=3 K=3	46-JVL	3,105	5	

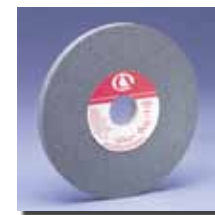
TOOLROOM WHEELS
SERIES 890:



GC SILICON CARBIDE ABRASIVE

Application

GC abrasive is used for grinding hard cemented carbide tooling.



Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
For Carbide					
Type 1 - For Surface, Cylindrical and Tool & Cutter Grinders					
09585	6 x 1/2 x 1-1/4	GC80-IVGC	4,140	5	
09582	6 x 1/2 x 1-1/4	GC120-IVGC	4,140	5	
09581	6 x 3/4 x 1-1/4	GC60-IVGC	4,140	5	
09580	6 x 3/4 x 1-1/4	GC80-IVGC	4,140	5	
09578	6 x 3/4 x 1-1/4	GC120-IVGC	4,140	5	
09576	7 x 1/2 x 1-1/4	GC60-IVGC	3,600	5	
09575	7 x 1/2 x 1-1/4	GC80-IVGC	3,600	5	
09572	8 x 1/2 x 1-1/4	GC60-IVGC	3,600	5	
62395	8 x 1/2 x 1-1/4	GC100-IVGC	3,600	5	
09570	8 x 3/4 x 1-1/4	GC60-IVGC	3,600	5	
62397	8 x 1 x 1-1/4	GC60-JVGC	3,600	5	
62398	8 x 1 x 1-1/4	GC80-IVGC	3,600	5	
62386	14 x 1 x 5	GC60-IVGC	1,800	2	

ABRASIVES



BENCH GRINDING WHEELS



BENCH AND PEDESTAL WHEELS

SERIES 902:



Packaging for Straight Wheels:
Up to 3/4" width - 10 pcs. per carton
3/4" width and over - 5 pcs. per carton
All 12" Diameter - 2 pcs. per carton

Where "hole size" is not specified, each wheel is supplied with a "telescoping" bushing that cover a range of hole sizes from 1/2" to 1" (to 1-1/4" for 10" and 12" wheels).

GENERAL PURPOSE ALUMINUM OXIDE BENCH GRINDING WHEELS

SERIES 185:



Wheel Size	Grit/Hard	Order No.	Price	Wheel Size	Grit/Hard	Order No.	Price
6 x 1/2	24Q	1396320		7 x 1	46Q	1397642	
6 x 1/2	36Q	1396321		7 x 1	60N	1397643	
6 x 1/2	46Q	1396322		7 x 1	80N	1397644	
6 x 1/2	60N	1396323		8 x 1	24Q	1398640	
6 x 1/2	80N	1396324		8 x 1	36Q	1398641	
6 x 3/4	24Q	1396480		8 x 1	46Q	1398642	
6 x 3/4	36Q	1396481		8 x 1	60N	1398643	
6 x 3/4	46Q	1396482		8 x 1	80N	1398644	
6 x 3/4	60N	1396483		10 x 1	24Q	1390640	
6 x 3/4	80N	1396484		10 x 1	36Q	1390641	
6 x 1	24Q	1396640		10 x 1	46Q	1390642	
6 x 1	36Q	1396641		10 x 1	60N	1390643	
6 x 1	46Q	1396642		10 x 1	80N	1390644	
6 x 1	60N	1396643		12 x 2	24Q	1852000	
6 x 1	80N	1396644		12 x 2	36Q	1852001	
7 x 1	24Q	1397640		12 x 2	46Q	1852002	
7 x 1	36Q	1397641		12 x 2	60P	1852003	

GENERAL PURPOSE SILICON CARBIDE BENCH GRINDING WHEELS

SERIES 186:

Hardness: I



Wheel Size	Grit	Order No.	Price	Wheel Size	Grit	Order No.	Price
6 x 1/2	60	1406323		7 x 1/2*	80	1407324	
6 x 1/2	80	1406324		7 x 1/2*	100	1407325	
6 x 1/2	100	1406325		7 x 3/4	60	1407483	
6 x 3/4	60	1406483		7 x 3/4	80	1407484	
6 x 3/4	80	1406484		7 x 3/4	100	1407485	
6 x 3/4	100	1406485		7 x 1	60	1407643	
6 x 1	60	1406643		7 x 1	80	1407644	
6 x 1	80	1406644		7 x 1	100	1407645	
6 x 1	100	1406645		8 x 1	60	1408643	
7 x 1/2*	60	1407323		8 x 1	80	1408644	
				8 x 1	100	1408645	

*1-1/4 Hole Diameter for surface grinding.

ALUMINUM OXIDE ABRASIVE

Application: Ideal for removing burrs on steel parts, as well as sharpening high speed steel cutting tools.

Note: Bushings included.



Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
For Metal/Steel					
Type 1 - For Bench and Pedestal Grinders					
09978	6 x 1/2 x 1	60-M	4,140	5	
09976	6 x 3/4 x 1	36-M	4,140	5	
09975	6 x 3/4 x 1	60-M	4,140	5	
09974	6 x 3/4 x 1	100-K	4,140	5	
09973	6 x 1 x 1	36-M	4,140	5	
09972	6 x 1 x 1	60-M	4,140	5	
09971	6 x 1 x 1	100-K	4,140	5	
09966	7 x 1 x 1	36-M	3,600	5	
09965	7 x 1 x 1	60-M	3,600	5	
09964	7 x 1 x 1	100-K	3,600	5	
09962	8 x 3/4 x 1	36-M	3,600	5	
09961	8 x 3/4 x 1	60-M	3,600	5	
09960	8 x 1 x 1	24-P	3,600	5	
09959	8 x 1 x 1	36-M	3,600	5	
09956	8 x 1 x 1	60-M	3,600	5	
09955	10 x 1 x 1-1/4	24-P	2,485	2	
09953	10 x 1 x 1-1/4	36-M	2,485	2	
09952	10 x 1 x 1-1/4	60-M	2,485	2	
09950	10 x 1-1/4 x 1-1/4	36-M	2,485	2	
09948	10 x 1-1/2 x 1-1/4	24-P	2,485	2	
09947	10 x 1-1/2 x 1-1/4	36-M	2,485	2	
09941	12 x 1-1/2 x 1-1/2	36-M	2,070	2	
09939	12 x 2 x 1-1/2	24-P	2,070	1	
09938	12 x 2 x 1-1/2	36-M	2,070	1	
09937	12 x 2 x 1-1/2	60-M	2,070	1	
09935	14 x 2 x 1-1/2	24-P	1,800	1	
09934	14 x 2 x 1-1/2	36-M	1,800	1	

SILICON CARBIDE ABRASIVE

Application: Ideal for sharpening carbide-tipped cutting tools.

Note: Bushings included.

Order No.	Wheel Size	Grading	MAX RPM	Wheels/Box	Price Each
For Carbide/Nonferrous Metals					
Type 1 - For Bench and Pedestal Grinders					
09929	6 x 3/4 x 1	60-I	4,140	5	
09928	6 x 3/4 x 1	80-I	4,140	5	
09927	6 x 3/4 x 1	120-I	4,140	5	
09926	6 x 1 x 1	60-I	4,140	5	
09925	6 x 1 x 1	80-I	4,140	5	
09924	6 x 1 x 1	120-I	4,140	5	
09922	7 x 1 x 1	80-I	3,600	5	
09920	7 x 1 x 1	120-I	3,600	5	
09916	8 x 1 x 1	60-I	3,600	5	
09915	8 x 1 x 1	80-I	3,600	5	
09914	8 x 1 x 1	120-I	3,600	5	
09913	10 x 1 x 1-1/4	60-I	2,485	2	
09912	10 x 1 x 1-1/4	80-I	2,485	2	
09911	10 x 1 x 1-1/4	120-I	2,485	2	

BELT CLEANING STICK

SERIES 900:

Application:

This solid rubber cleaning stick is designed to remove wood and other non-metallic materials that build up on narrow belts. Apply while running to remove unwanted materials and increase cut rate and overall life of the belt.

Order No.	Size	Std. Pack	Price
14745	8 x 1-3/4 x 1-3/4	1	



TOOL AND DIE FINISHING STICKS

SERIES 188:

Used for polishing, lapping, etc. All sticks are 4" long.

Aluminum oxide dressing sticks work best on CBN grinding wheels, but can also be used on diamond grinding wheels.

Silicon carbide dressing sticks in coarse grit sizes and hard grades are used for dressing conventional vitrified wheels. Silicon carbide dressing sticks in fine grit sizes and softer grades are used for dressing diamond wheels.



SILICON CARBIDE ABRASIVE DRESSING STICKS

SERIES 184:

For dressing conventional vitrified wheels.



Size	Order No.	Price
1 x 1 x 6	1385116	
1 x 1 x 8	1385118	



BORON CARBIDE DRESSING STICK

WHEEL-BIT®

SERIES 189:



- Wheel-Bit is a sintered Boron Carbide dressing stick, next to diamond in hardness, and unsurpassed in wear resistance.
- Recommended for all grinding wheels up to Grade M. Cuts cleanly, shears through abrasives particles without plucking grains from the matrix.
- Clean and shape grinding wheels in just a couple of passes. Reface grinding wheels in minutes. Touch up cup or saucer wheels.
- Form a profile, radius or groove quickly and easily.
- Thoroughly dresses grinding wheels without glazing.

Order No. 1890010	Price

SHARPENING STONES

SERIES 952:

Application

Used for removing burrs on workpieces, as well as producing sharp edges on cutting tools and knives.

Aluminum Oxide single grit sharpening stones are used to provide sharp edges, to clean and deburr. Silicon Carbide Sharpening Stones are used for fast stock removal when edge shaping. They are low loading with good lubrication.



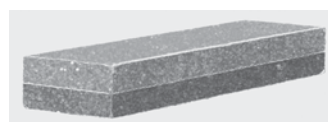
Order No.	Size	Abrasive/ Grit Size	Sticks/ Box	Price Each
Single Grit Sharpening Stones				
Aluminum Oxide Abrasive (India)				
85570	4 x 1 x 1/4	Fine	5	
85585	4 x 1 x 1/2	Fine	5	
85610	6 x 2 x 1	Fine	5	
85630	8 x 2 x 1	Medium	5	
Combination Grit Sharpening Stones				
Aluminum Oxide Abrasive (India)				
85560	6 x 2 x 1	Coarse / Fine	5	
85565	8 x 2 x 1	Coarse / Fine	5	
Silicon Carbide Abrasive (Crystolon)				
85450	6 x 2 x 1	Coarse / Fine	5	
85455	8 x 2 x 1	Coarse / Fine	5	

COMBINATION SHARPENING STONE

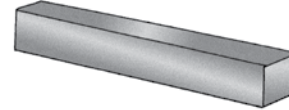
SERIES 188:

Made of silicon carbide with coarse grit on one side and fine grit on the other.

Size	Order No.	Price
1 x 2 x 8	1415128	

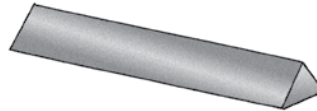


SQUARE



Size	Aluminum Oxide				Silicon Carbide			
	Coarse	Medium	Fine	Price	Coarse	Medium	Fine	Price
1/4	1880160	1880161	1880162	\$1.90	1885160	1885161	1885162	
3/8	1880240	1880241	1880242		1885240	1885241	1885242	
1/2	1880320	1880321	1880322		1885320	1885321	1885322	

3 SQUARE



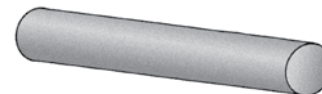
Size	Aluminum Oxide				Silicon Carbide			
	Coarse	Medium	Fine	Price	Coarse	Medium	Fine	Price
1/4	1883160	1883161	1883162		1888160	1888161	1888162	
3/8	1883240	1883241	1883242		1888240	1888241	1888242	
1/2	1883320	1883321	1883322		1888320	1888321	1888322	

HALF ROUND



Size	Aluminum Oxide				Silicon Carbide			
	Coarse	Medium	Fine	Price	Coarse	Medium	Fine	Price
1/4	1881160	1881161	1881162		1886160	1886161	1886162	
3/8	1881240	1881241	1881242		1886240	1886241	1886242	
1/2	1881320	1881321	1881322		1886320	1886321	1886322	

ROUND



Size	Aluminum Oxide				Silicon Carbide			
	Coarse	Medium	Fine	Price	Coarse	Medium	Fine	Price
1/4	1882160	1882161	1882162		1887160	1887161	1887162	
3/8	1882240	1882241	1882242		1887240	1887241	1887242	
1/2	1882320	1882321	1882322		1887320	1887321	1887322	

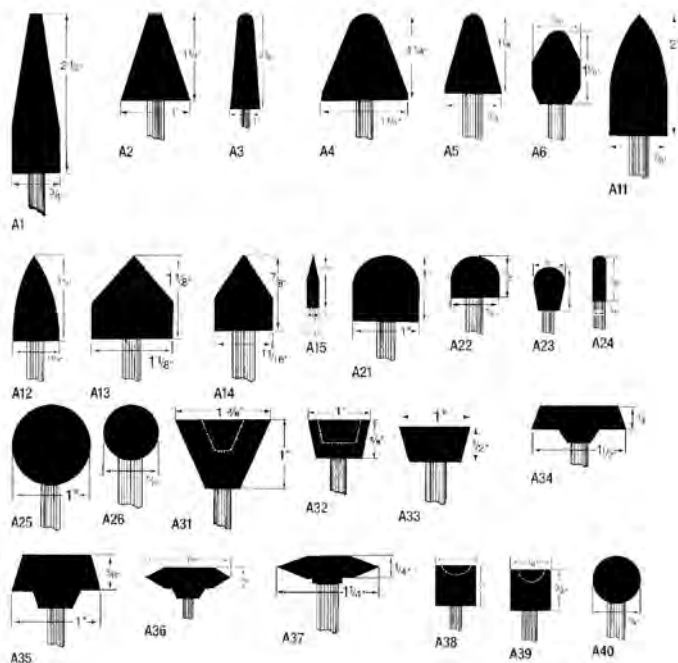
MOUNTED POINTS

SERIES 177: MEDA - SUPERIOR IMPORT
 SERIES 648: STAR USA - PREMIUM QUALITY

Aluminum Oxide, Vitrified Bond
 Packaging: 20 pieces per bag



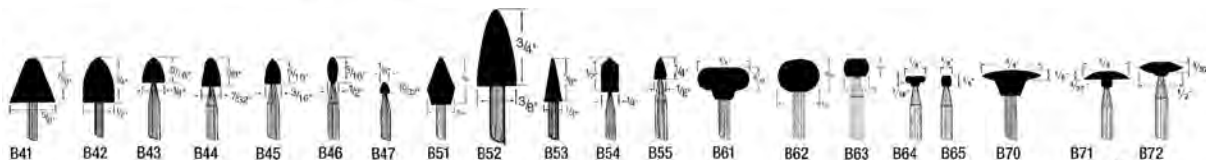
"A" SHAPES - 1/4" SHANKS



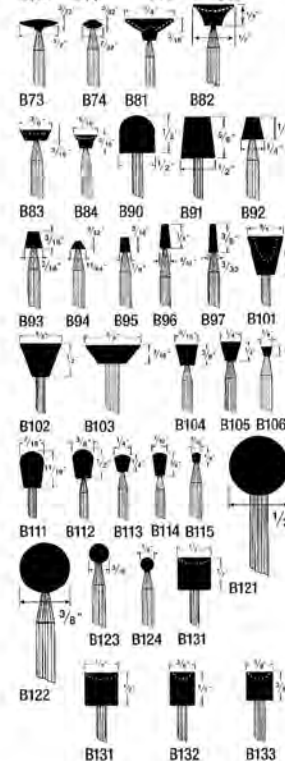
Shape	Wheel Size		MEDA		STAR USA	
	Dia.	Thick.	Order No.	Price	Order No.	Price
A1	3/4	2-1/2	1365001		1775001	
A2	1	1-1/4	1365002		1775002	
A3	1	2-3/4	1365003		1775003	
A4	1-1/4	1-1/4	1365004		1775004	
A5	3/4	1-1/8	1365005		1775005	
A6	3/4	1-1/8	1365006		1775006	
A11	7/8	2	1365011		1775011	
A12	11/16	1-1/4	1365012		1775012	
A13	1-1/8	1-1/8	1365013		1775013	
A14	11/16	7/8	1365014		1775014	
A15	1/4	1-1/16	1365015		1775015	
A21	1	1	1365021		1775021	
A22	3/4	5/8	1365022		1775022	
A23	3/4	1	1365023		1775023	
A24	1/4	3/4	1365024		1775024	
A25	1	1	1365025		1775025	
A26	5/8	5/8	1365026		1775026	
A31	1-3/8	1	1365031		1775031	
A32	1	5/8	1365032		1775032	
A33	1	1/2	1365033		1775033	
A34	1-1/2	3/8	1365034		1775034	
A35	1	3/8	1365035		1775035	
A36	1-5/8	3/8	1365036		1775036	
A37	1-1/4	1/4	1365037		1775037	
A38	1	1	1365038		1775038	
A39	3/4	3/4	1365039		1775039	
A40	3/4	3/4	1365040		1774040	

COLOR: MEDA - SUPERIOR IMPORT (PINK)
 STAR USA - PREMIUM QUALITY (RED / BROWN)

"B" SHAPES 1/8" SHANKS



Shape	Wheel Size		MEDA		STAR USA		Shape	Wheel Size		MEDA		STAR USA	
	Dia.	Thick.	Order No.	Price	Order No.	Price		Dia.	Thick.	Order No.	Price	Order No.	Price
B41	5/8	5/8	1365041		1775041		B92	1/4	1/4	1365092		1775092	
B42	1/2	3/4	1365042		1774042		B93	3/16	3/16	1365093		1775093	
B43	1/4	5/16	1365043		1774043		B94	11/64	3/32	1365094		1775094	
B44	7/32	3/8	1365044		1775044		B95	1/8	3/16	1365095		1775095	
B45	3/16	5/16	1365045		1775045		B96	1/8	1/4	1365096		1775096	
B46	1/8	5/16	1365046		1775046		B97	3/32	3/8	1365097		1775097	
B47	1/8	5/32	1365047		1775047		B98	3/32	1/4	1365098		1775098	
B51	7/16	3/4	1365051		1775051		B101	5/8	11/16	1365101		1775101	
B52	3/8	3/4	1365052		1775052		B102	5/8	1/2	1365102		1775102	
B53	1/4	5/8	1365053		1775053		B103	5/8	3/16	1365103		1775103	
B54	1/4	1/2	1365054		1775054		B104	5/16	3/8	1365104		1775104	
B55	1/8	1/4	1365055		1775055		B105	1/4	1/4	1365105		1775105	
B61	3/4	5/16	1365061		1775061		B106	1/8	7/64	1365106		1775106	
B62	1/2	3/8	1365062		1775062		B111	7/16	11/16	1365111		1775111	
B63	1/4	3/16	1365063		1775063		B112	3/8	1/2	1365112		1775112	
B64	1/4	1/16	1365064		1775064		B113	1/4	1/4	1365113		1775113	
B65	1/8	1/8	1365065		1775065		B114	7/32	3/8	1365114		1775114	
B70	3/4	1/8	1365070		1775070		B115	3/32	1/8	1365115		1775115	
B71	5/8	3/32	1365071		1775071		B121	1/2	1/2	1365121		1775121	
B72	1/2	3/32	1365072		1775072		B122	3/8	3/8	1365122		1775122	
B73	1/2	3/32	1365073		1775073		B123	3/16	3/16	1365123		1775123	
B74	7/32	3/32	1365074		1775074		B124	1/8	1/8	1365124		1775124	
B81	3/4	3/16	1365081		1775081		B131	1/2	1/2	1365131		1775131	
B82	1/2	1/4	1365082		1775082		B132	3/8	1/2	1365132		1775132	
B83	3/8	1/8	1365083		1775083		B133	3/8	3/8	1365133		1775133	
B84	5/16	3/16	1365084		1775084		B134	5/16	3/8	1365134		1775134	
B90	1/2	1/2	1365090		1775090		B135	1/4	1/2	1365135		1775135	
B91	1/2	5/8	1365091		1775091		B136	1/4	5/16	1365136		1775136	



MOUNTED POINTS (Continued)

SERIES 177: MEDA - SUPERIOR IMPORT (COLOR - PINK)

SERIES 648: STAR USA - PREMIUM QUALITY (COLOR - RED/BROWN)

Aluminum Oxide, Vitrified Bond

Packaging: 20 pieces per bag.

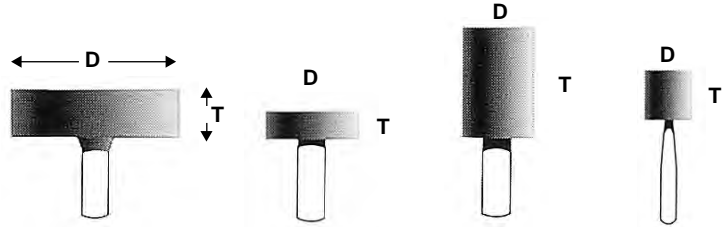


“W” SHAPES

“W” Shapes are supplied with 1/8” diameter shanks except for some larger sizes, marked with a (*), which are supplied with 1/4” or 3/8” Diameter shanks.

COLOR: MEDA - SUPERIOR IMPORT (PINK)
STAR USA - PREMIUM QUALITY (RED / BROWN)

Shape	Wheel Size		MEDA		STAR USA	
	Dia.	Thick	Order No.	Price	Order No.	Price
W141	3/32	5/32	1365141		1775141	
W142	3/32	1/4	1365142		1775142	
W143	1/8	1/8	1365143		1775143	
W144	1/8	1/4	1365144		1775144	
W145	1/8	3/8	1365145		1775145	
W146	1/8	1/2	1365146		1775146	
W147	5/32	1/32	1365147		-	
W148	5/32	1/16	1365148		-	
W149	5/32	1/4	1365149		1775149	
W150	3/16	1/16	1365150		-	
W151	3/16	1/8	1365151		1775151	
W152	3/16	1/4	1365152		1775152	
W153	3/16	3/8	1365153		1775153	
W154	3/16	1/2	1365154		1775154	
W155	13/64	1/4	1365155		-	
W156	1/4	1/32	1365156		-	
W157	1/4	1/16	1365157		1775157	
W158	1/4	1/8	1365158		1775158	
W159	1/4	3/16	1365159		1775159	
W160	1/4	1/4	1365160		1775160	
W161	1/4	5/16	1365161		1775161	
W162	1/4	3/8	1365162		1775162	
W163	1/4	1/2	1365163		1775163	
W164	1/4	3/4	1365164		1775164	
W165	5/16	1/16	1365165		1775165	
W166	5/16	1/8	1365166		1775166	
W167	5/16	1/4	1365167		1775167	
W168	5/16	5/16	1365168		1775168	
W169	5/16	3/8	1365169		1775169	
W170	5/16	1/2	1365170		1775170	
W171	5/16	3/4	1365171		1775171	
W172	3/8	1/16	1365172		1775172	
W173	3/8	1/8	1365173		1775173	
W174	3/8	1/4	1365174		1775174	
W175	3/8	3/8	1365175		1775175	
W176	3/8	1/2	1365176		1775176	
W177	3/8	3/4	1365177		1775177	
W178	3/8	1	1365178		1775178	
W179	3/8	1-1/4	1365179		1775179	
W180	1/2	1/32	1365180		-	
W181	1/2	1/16	1365181		1775181	
W182	1/2	1/8	1365182		1775182	
W183	1/2	1/4	1365183		1775183	
W184	1/2	3/8	1365184		1775184	
W185	1/2	1/2	1365185		1775185	
W186	1/2	3/4	1365186		1775186	
W187	1/2	1	1365187		1775187	
W188*	1/2	1-1/2	1365188		1775188	
W189*	1/2	2	1365189		1775189	
W190	5/8	1/16	1365190		1775190	
W191*	5/8	1/8	1365191		1775191	
W192*	5/8	1/4	1365192		1775192	
W193*	5/8	3/8	1365193		1775193	
W194*	5/8	1/2	1365194		1775194	
W195*	5/8	3/4	1365195		1775195	
W196*	5/8	1	1365196		1775196	
W197*	5/8	2	1365197		1775197	
W198*	5/8	2-1/2	1365198		1775198	
W199	3/4	1/16	1365199		1775199	



Shape	Wheel Size		MEDA		STAR USA	
	Dia.	Thick	Order No.	Price	Order No.	Price
W200*	3/4	1/8	1365200		1775200	
W201*	3/4	1/4	1365201		1775201	
W202*	3/4	3/8	1365202		1775202	
W203*	3/4	1/2	1365203		1775203	
W204*	3/4	3/4	1365204		1775204	
W205*	3/4	1	1365205		1775205	
W206*	3/4	1-1/4	1365206		1775206	
W207*	3/4	1-1/2	1365207		1775207	
W208*	3/4	2	1365208		1775208	
W209*	3/4	2-1/2	1365209		1775209	
W210*	7/8	1/16	1365210		1775210	
W211*	7/8	1/8	1365211		1775211	
W212*	7/8	1/4	1365212		1775212	
W213*	7/8	3/8	1365213		1775213	
W215*	1	1/8	1365215		1775215	
W216*	1	1/4	1365216		1775216	
W217*	1	3/8	1365217		1775217	
W218*	1	1/2	1365218		1775218	
W219*	1	3/4	1365219		1775219	
W220*	1	1	1365220		1775220	
W221*	1	1-1/2	1365221		1775221	
W222*	1	2	1365222		1775222	
W223*	1	2-1/2	1365223		1775223	
W224*	1	3	1365224		-	
W225*	1-1/4	1/4	1365225		1775225	
W226*	1-1/4	3/8	1365226		1775226	
W227*	1-1/4	1/2	1365227		1775227	
W228*	1-1/4	3/4	1365228		1775228	
W229*	1-1/4	1	1365229		1775229	
W230*	1-1/4	1-1/4	1365230		1775230	
W231*	1-1/4	1-1/2	1365231		1775231	
W232*	1-1/4	2	1365232		1775232	
W233*	1-1/4	2-1/2	1365233		-	
W234*	1-1/4	3	1365234		-	
W235*	1-1/2	1/4	1365235		1775235	
W236*	1-1/2	1/2	1365236		1775236	
W237*	1-1/2	1	1365237		1775237	
W238*	1-1/2	1-1/2	1365238		1775238	
W239*	1-1/2	2	1365239		1775239	
W240*	1-1/2	2-1/2	1365240		-	
W241*	1-1/2	3	1365241		-	
W242*	2	1	1365242		1775242	
W243*	2	1-1/2	1365243		1775243	
W244*	2	2	1365244		1775244	
W245*	2	2-1/2	1365245		-	

ABRASIVES

MOUNTED POINT SETS

SERIES 177:



STRAIGHT DIAMOND WHEELS

SERIES 621:

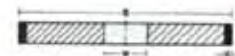


Assortment of the most popular shapes in a storage box.



1/8" Shank			1/4" Shank		
Pieces Per Set	Order No.	Price	Pieces Per Set	Order No.	Price
25	1770025		25	9775025	
50	1770050		50	1775050	
100	1770100		100	1775100	

Type DIAI - Diamonds in Periphery
Resin Bonded.
All with 1-1/4" hole



100 Concentration, 1/16" Depth

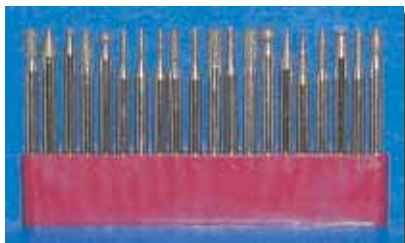
Dia.	Thickness	Order No.			Price
		Coarse 100 N-Grit	Medium 150 N-Grit	Fine 220 N-Grit	
4	1/4	214040	214041	214042	
6	1/8	216020	216021	216022	
6	1/4	216040	216041	216042	

100 Concentration, 1/8" Depth

Dia.	Thickness	Order No.			Price
		Coarse 100 N-Grit	Medium 150 N-Grit	Fine 220 N-Grit	
4	1/4	214140	214141	214142	
6	1/8	216120	216121	216122	
6	1/4	216140	216141	216142	

DIAMOND BURR AND GRINDING SETS

SERIES 627:



20 PC. DIAMOND BURR SET

This set of 20 diamond carving burrs has every shape needed for fine detailing of wood, glass, or ceramic. Long-lasting diamond particles are bonded to the steel shanks with nickel plating. The burrs have a controlled cut and leave a fine finish. 1/8" dia. shanks; about 1-3/4" long overall. Includes a protective case.

Order No. 6000024	Price	
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10 PC. DIAMOND BURR SET

This set of 10 diamonds burrs is good for general shaping, grinding, and deburring of a variety of materials. Diamond particles are electroplated to the tips. Overall length is 1-3/4", with 1/4" shanks. Includes a protective case.

Order No. 6000023	Price	
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25 PC. DIAMOND GRINDING SET

This set includes diamonds discs, wheels, and burrs. Excellent quality, they can be used on carbide, hardened steel, glass, ceramic, stone, etc. There are 18 burrs with shanks of 1/16" or 3/32", 3 wheels (from 1/2" to 3/4" Diameter) plated on the rim and both sides for deep cutting, and 3 discs plated one side only. The wheels and discs mount on the included 3/32" shank mandrel. Excellent value in a very complete shop set.

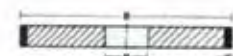
Order No. 6000061	Price	
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STRAIGHT DIAMOND WHEELS

SERIES 621:



Type D1A1- Diamonds in Periphery, Resin bonded
All With 1-1/4" Hole



100 Concentration, 1/8" Depth

Dia.	Thickness	Order No.			Price
		Coarse 100 N-Grit	Medium 150 N-Grit	Fine 220 N-Grit	
4	1/8	6214120	6214121	6214122	
4	1/4	6214140	6214141	6214142	
5	1/8	6215120	6215121	6215122	
5	1/4	6215140	6215141	6215142	
5	1/2	6215180	6215181	6215182	
6	1/16	6216110	6216111	6216112	
6	1/8	6216120	6216121	6216122	
6	3/16	6216130	6216131	6216132	
6	1/4	6216140	6216141	6216142	
6	1/2	6216180	6216181	6216182	
7	1/8	6217120	6217121	6217122	
7	1/4	6217140	6217141	6217142	
7	3/8	6217160	6217161	6217162	
7	1/2	6217180	6217181	6217182	

All DIAMOND STRAIGHT WHEELS are available in Borazon; please inquire.

DIAMOND FLARING CUP WHEELS
SERIES 624:




DIAMOND FLARING CUP WHEELS
Series 624:



TYPE D11A2 - Diamonds in rim. Resin Bonded for all around tool sharpening. 1-1/4 Thick., 1/2 Rim Width, 1-1/4 Hole.

Type D11A2 - Diamonds in rim. Resin Bonded for all around tool sharpening

100 Concentration, 1/16" Depth



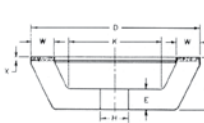
Dia	Order No.			Price
	Coarse 100 N-Grit	Medium 150 N-Grit	Fine 220 N-Grit	
4	244010	244011	244012	



All DIAMOND FLARING CUP WHEELS are available in Borazon; please inquire.

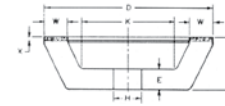
Dia. D.	Thick T.	Rim Width W.	Hole H.
3	7/8	3/8	1-1/4
4	1-1/4	1/2	1-1/4
5	1-3/4	3/8	1-1/4

100 Concentration, 1/8" Depth



Dia	Order No.			Price
	Coarse 100 N-Grit	Medium 150 N-Grit	Fine 220 N-Grit	
4	244110	244111	244112	

100 Concentration, 1/8" Depth



Dia	Order No.			Price
	Coarse 100 N-Grit	Medium 150 N-Grit	Fine 220 N-Grit	
3	6243110	6243111	6243112	
4	6244110	6244111	6244112	
5	6245110	6245111	6245112	

DIAMOND FLARING CUP WHEELS
SERIES 625:




DIAMOND FLARING CUP WHEELS
SERIES 625:



TYPE D11V9 - Diamonds in rim. Resin Bonded. All with 1-1/4". Hole and 3/4" thickness.

Type D11V9 - Diamonds in Periphery and face. Resin Bonded. All with 1-1/4" hole and 3/4" thickness.

100 Concentration, 1/16" Depth

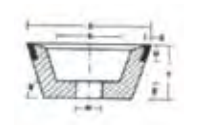


Dia	Order No.			Price
	Coarse 100 N-Grit	Medium 150 N-Grit	Fine 220 N-Grit	
3-3/4	254000	254001	254002	
5	255000	255001	255002	



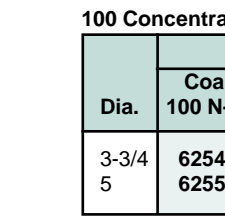
All DIAMOND FLARING CUP WHEELS are available in Borazon; please inquire.

100 Concentration, 1/8" Depth



Dia	Order No.			Price
	Coarse 100 N-Grit	Medium 150 N-Grit	Fine 220 N-Grit	
3-3/4	254100	254101	254102	
5	255100	255101	255102	

100 Concentration, 1/8" Depth



Dia.	Order No.			Price
	Coarse 100 N- Grit	Medium 150 N-Grit	Fine 220 N- Grit	
3-3/4	6254100	6254101	6254102	
5	6255100	6255101	6255102	

DIAMOND FACE (PLATE) WHEELS
SERIES 623:




DIAMOND FACE (PLATE) WHEELS
SERIES 623:



TYPE D6AC - Diamonds in rim. Resin Bonded. All with 1-1/4". Hole and 3/4" thickness.

TYPE D6A2C - Diamonds in rim. Resin Bonded. All with 1-1/4" Hole and 3/4" thickness


100 Concentration, 1/16" Depth



Dia.	Rim Width	Order No.			Price
		Coarse 100 N-Grit	Medium 150 N-Grit	Fine 220 N-Grit	
6	3/4	236090	236091	236092	


All DIAMOND FACE (PLATE) WHEELS are available in Borazon. See our website or inquire.

100 Concentration, 1/8" Depth



Dia.	Rim Width	Order No.			Price
		Coarse 100 N-Grit	Medium 150 N-Grit	Fine 220 N-Grit	
6	3/4	236190	236191	236192	

100 Concentration, 1/8" Depth



Dia.	Rim Width	Order No.			Price
		Coarse 100 N-Grit	Medium 150 N-Grit	Fine 220 N-Grit	
6	3/8	6236160	6236161	6236162	
6	1/2	6236180	6236181	6236182	
6	3/4	6236190	6236191	6236192	

ABRASIVES

DIAMOND CUT-OFF WHEELS

SERIES 626:



ELECTROPLATED

DIAMOND & BORAZON GRINDING PINS (WHEELS)

SERIES 627:



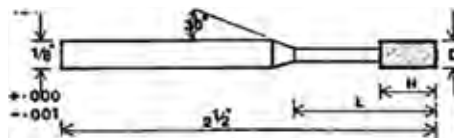
TYPE D1A1R



100 Concentration, 1-1/4" Hole, 1/4" Depth

Dia.	Coarse Thickness	Order No.			Price
		Medium 100 N-Grit	Fine 150 N-Grit	220 N-Grit	
6	.035	266350	266351	266352	
6	.045	266450	266451	266452	

Ideal for jig grinding, internal grinding, and small hole precision grinding. Use diamond pins for glass, ceramics, ferro-ceramics, cemented carbides, and other hardened abrasive material. Use Borazon for high carbon, high chrome, high speed steels, such as M2, M3, M7, and T15 ; Die Steels, such as : D2,D3,HB,A & O; Alloy Steels (harder than 50 RC); Nickel and Cobalt Base Super Alloys; Titanium, and Stainless Steels. Hardened steel shanks for minimum deflection.



Dia.	Head Lgth	Undercut Lgth	Grit	Diamond		Borazon	
				Order No.	Price	Order No.	Price

Overall Length : 2-1/2 / Shank: 1/8

.020	1/16	1/8	200	6270200		6270205	
.030	3/32	1/4	150	6270300		6270305	
.040	1/8	3/8	150	6270400		6270405	
.050	1/8	3/8	100	6270500		6270505	
.050	1/8	1	100	6270501		6270506	
.060	1/8	3/8	100	6270600		6270605	
.060	1/8	1	100	6270601		6270606	
.070	5/32	1/2	100	6270700		6270705	
.070	5/32	1	100	6270701		6270706	
.080	5/32	1/2	100	6270800		6270805	
.080	5/32	1	100	6270801		6270806	
.090	5/32	1/2	100	6270900		6270905	
.090	5/32	1	100	6270901		6270906	
.100	5/32	1/2	100	6271000		6271005	
.100	5/32	1	100	6271001		6271006	
.110	5/32	1/2	100	6271100		6271105	
.110	5/32	1	100	6271101		6271106	
.120	5/32	1/2	100	6271200		6271205	

DIAMOND CUT-OFF WHEELS

SERIES 626:



Type D1A1R



100 Concentration, 1-1/4" Hole, 1/4" Depth

Dia.	Coarse Thickness	Order No.			Price
		Medium 100 N-Grit	Fine 150 N-Grit	220 N-Grit	
6	.035	6266350	6266351	6266352	
6	.045	6266450	6266451	6266452	

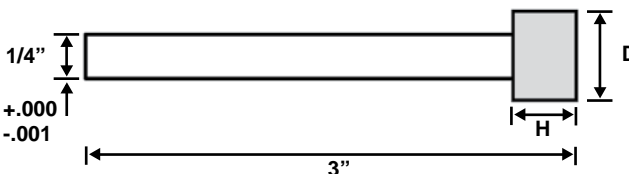
CLEANING STICK

SERIES 184:

For all diamond wheels



Dimensions	Order No.	Price
3/4 x 3/4 x 4	1843204	



Dia.	Head Length	Grit	Diamond		Borazon	
			Order No.	Price	Order No.	Price

Overall Length : 3 / Shank: 1/4 dia.

9/64	1/4	100	6270090		6270095	
5/32	1/4	100	6270100		6270105	
3/16	1/4	100	6270120		6270125	
7/32	1/4	100	6270140		6270145	
1/4	1/8	100	6270160		6270165	
1/4	1/4	100	6270161		6270166	
5/16	1/8	100	6270199		6270204	
5/16	1/4	100	6270201		6270206	
5/16	3/8	100	6270202		6270207	
3/8	1/8	100	6270240		6270245	
3/8	1/4	100	6270241		6270246	
3/8	3/8	100	6270242		6270247	
1/2	1/4	100	6270320		6270325	
1/2	3/8	100	6270321		6270326	
1/2	1/2	100	6270322		6270327	
3/4	1/4	100	6270480		6270485	
3/4	1/2	100	6270481		6270486	

NOTE : Borazon is a Registered Trademark of the General Electric Corp. - U.S.A.

Quality Abrasives



The Choice Is Yours!!!

RUBBERIZED ABRASIVES
SERIES 994:



GRIT TEXTURES

Each **MATZ** size and shape is made in four standard Grit Textures or compositions which differ in accordance with the mesh size of the abrasive grain used.

(C) COARSE
(Green)

(M) MEDIUM
(Dark Brown)

(F) FINE
(Reddish Brown)

(XF) EXTRA FINE
(Grey Green)

MATZ STANDARD BOND

The **MATZ** bond common to each of the four Grit Textures is made with premium grade oil-resistant chemical rubber. In contrast to conventional grinding wheels the **MATZ** bond has unique cushioned action...cuts freely, smoothly and softly without gouging or digging into the work surface. It resists clogging or smearing, and is ideal for a broad range of applications where metallic or non-metallic surfaces must be smoothed and polished without loss of dimensional tolerances or control.

BASIC APPLICATIONS

LIGHT DEBURRING and smoothing to relieve stress concentrations and to remove visible and microscopic burrs without impacting surrounding areas.

SMOOTHING and polishing to improve wearing qualities and to reduce the dangers of progressive fracture and fatigue failure.

CLEANING and polishing to remove undesirable surface deposits.

POLISHING and smoothing to improve performance, appearance, cleanliness and to lessen the dangers of surface contamination.

MATZ SMALL WHEELS - TAPERED EDGE

MATZ Shaped Wheels have a tapered edge which makes them exceptionally versatile for fine work on small and delicate parts...ideal for polishing, cleaning out and finishing decorative and intricate designs.



Size No. 2

- Maximum Safe Speed 25,000 Revolutions Per Minute. Best results are usually obtained at 30% to 80% of Maximum Safe Speed. Use a light work pressure.

Dia.	Thickness	Arbor Hole	Model No.	Coarse Grit Order No.	Med. Grit Order No.	Fine Grit Order No.	Ex. Fine Grit Order No.	Price/100
3/8	3/32	1/16	1	9410010	9410011	9410012	9410013	
5/8	3/32	1/16	2	9410020	9410021	9410022	9410023	
1	1/8	1/16	5	9410050	9410051	9410052	9410053	

MATZ SMALL WHEELS - STRAIGHT EDGE

MATZ Small Straight Wheels can be mounted on conventional portable motor tools and used on a broad list of deburring, smoothing and polishing applications.



Size No. 74

They can be used on countless operations requiring absolute control of metal removal such as in micro-deburring, relieving stress concentration areas and polishing away fatigue lines, scratches and other surface defects. Ideal for work on dies, molds, instruments, control mechanisms, electronic parts, jewelry, aerospace components, plastic articles, light castings, models, and super sensitive scientific devices.

- Maximum Safe Speed 25,000 Revolutions Per Minute. Best results are usually obtained at 30% to 80% of Maximum Safe Speed. Use a light work pressure.

Dia.	Thickness	Arbor Hole	Model No.	Coarse Grit Order No.	Med. Grit Order No.	Fine Grit Order No.	Ex. Fine Grit Order No.	Price/100
5/8	3/32	1/16	53	420530	9420531	9420532	9420533	
5/8	1/8	1/16	54	420540	9420541	9420542	9420543	
7/8	1/8	1/16	74	420740	9420741	9420742	9420743	
1	1/16	1/16	83	420830	9420831	9420832	9420833	
1	1/8	1/16	80	420800	9420801	9420802	9420803	
1	3/16	1/16	86	420860	9420861	9420862	9420863	
1	1/4	1/16	88	420880	9420881	9420882	9420883	

MATZ SMALL WHEEL MANDRELS

- Maximum safe speed 25,000 Revolutions Per Minute with 1/2" overhang or less (exposed mandrel length).



No. 2



No. 3



No. 5



No. 8

Model No.	Shank	For Hole	Order No.	Price
2	3/32	1/16	9940002	
3	1/8	1/16	9940003	
5	1/8	1/8	9940005	
8	1/4	1/8	9940008	



RUBBERIZED ABRASIVES

SERIES 994:

MATZ STRAIGHT WHEELS - LARGE SIZE

MAXIMUM SAFE SPEEDS in Revolutions Per Minute: 1-1/2" dia.-15,000; 2"-10,500; 2-1/2"-8,300; 3"-7,000; 4"-5,250; 5"-4,200; 6"-3,600; 7"-3,000; 8"-2,600; 10"-2,100.



Dimensions in inches

Diameter	Thickness	Arbor Hole	Model No.	Coarse Grit Order No.	Med. Grit Order No.	Fine Grit Order No.	Ex. Fine Grit Order No.	Price
1-1/2	1/8	1/8	152	9401520	9401521	9401522	9401523	
1-1/2	1/4	1/4	154	9401540	9401541	9401542	9401543	
1-1/2	1/2	1/4	158	9401580	9401581	9401582	9401583	
2	1/8	1/4	202	9402020	9402021	9402022	9402023	
2	3/8	1/4	206	9402060	9402061	9402062	9402063	
3	1/8	1/4	302	9403020	9403021	9403022	9403023	
3	1/4	1/4	304	9403040	9403041	9403042	9403043	
3	1/2	1/4	308	9403080	9403081	9403082	9403083	
4	1/8	1/2	402	9404020	9404021	9404022	9404023	
4	1/4	1/2	404	9404040	9404041	9404042	9404043	
4	1/2	1/2	408	9404080	9404081	9404082	9404083	
4	3/4	1/2	412	9404120	9404121	9404122	9404123	
6	1/8	1/2	602	9406020	9406021	9406022	9406023	
6	1/4	1/2	604	9406040	9406041	9406042	9406043	
6	1/2	1/2	608	9406080	9406081	9406082	9406083	
6	3/4	1/2	612	9406120	9406121	9406122	9406123	
6	1	1/2	616	9406160	9406161	9406162	9406163	

MATZ WHEEL MANDREL



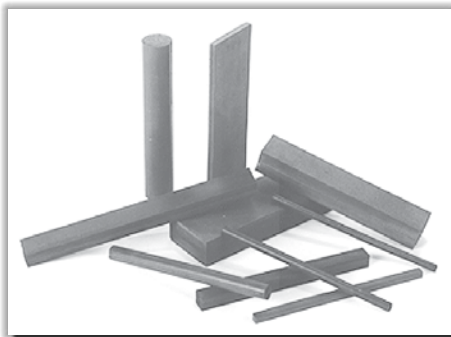
MATZ Wheel Mandrel No. 1342 has a 1/4" shank and is designed for 1/4" center hole wheels up to 3" diameter by 1/2" thick or less. The maximum safe speeds listed above are for 1/2" overhang or less (exposed mandrel length).

Model No.	1342
Order No.	9941342
Price	



While we show only the most popular **MATZ** items we can supply their entire range of products; please inquire.

MATZ BLOCKS AND STICKS



Length	Cross Section	Model No.	Coarse Grit Order No.	Med. Grit Order No.	Fine Grit Order No.	Ex. Fine Grit Order No.	Price
SQUARE ■							
6	1/4 x 1/4	6202	9462020	9462021	9462022	9462023	
6	1/2 x 1/2	6404	9464040	9464041	9464042	9464043	
6	3/4 x 3/4	6606	9466060	9466061	9466062	9466063	
OBLONG ■■■							
6	1 x 1/8	6801	9468010	9468011	9468012	9468013	
6	1 x 1/4	6802	9468020	9468021	9468022	9468023	
6	1 x 3/8	6803	9468030	9468031	9468032	9468033	
8	1 x 1/2	8804	9488040	9488041	9488042	9488043	
ROUND ●							
6	3/16	036	400360	9400361	9400362	9400363	
6	1/4	046	400460	9400461	9400462	9400463	
6	5/16	056	400560	9400561	9400562	9400563	
6	3/8	066	400660	9400661	9400662	9400663	
6	1/2	086	400860	9400861	9400862	9400863	
6	3/4	0126	401260	9401261	9401262	9401263	
6	1	0166	401660	9401661	9401662	9401663	

RUBBERIZED ABRASIVES

SERIES 994:

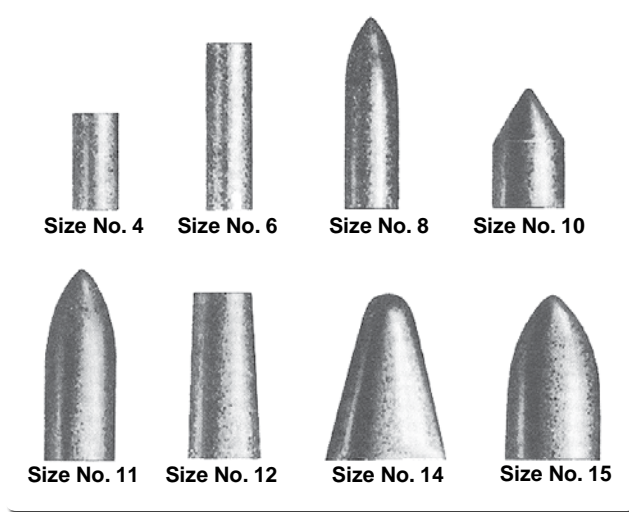
MATZ USA



MATZ POINTS

MATZ Shaped Points are made in both cylinder and bullet shapes. . . for smoothing and polishing hard to reach surfaces. . . grooves, ball corners, holes, clasps, spirals, flutes, and edges. They are widely used for polishing molds, dies, patterns and light castings; for cleaning contact points, solder spots and for relieving stress, micro-deburring, and damaskeening.

- Maximum Safe Speed 25,000 Revolutions Per Minute.



Shape	Diameter	Length	Arbor Hole	Model No.	Coarse Grit Order No.	Med. Grit Order No.	Fine Grit Order No.	Ex. Fine Grit Order No.	Price/100
Cylinder	1/4	1/2	1/16	4	9430040	9430041	9430042	9430043	
Cylinder	1/4	7/8	1/16	6	9430060	9430061	9430062	9430063	
Bullet	9/32	1	1/16	8	9430080	9430081	9430082	9430083	
Bullet	3/8	5/8	1/16	10	430100	9430101	9430102	9430103	
Bullet	3/8	1	1/8	11	9430110	9430111	9430112	9430113	
Tapered	3/8 to 5/16	7/8	1/8	12	9430120	9430121	9430122	9430123	
Tapered	5/8 to 1/8	7/8	1/8	14	9430140	9430141	9430142	9430143	
Bullet	1/2	7/8	1/8	15	9430150	9430151	9430152	9430153	



MATZ POINT MANDRELS

- Mandrels No. 1 and No. 4 have a No. 3-48 thread and hex nut flange.
- Mandrel No. 6 has a No. 5-40 thread and a hex nut flange.
- Mandrel No. 9 has a No. 5 screw thread, and a fixed shoulder flange.
- Maximum Safe Speed 25,000 Revolutions Per Minute with 1/2" overhang or less (exposed mandrel length). For each additional 1/4" of overhang the Maximum Safe Speed is decreased by at least 20%.

Diameter in inches

Model No.	Shank	For Hole	For Point Nos.	Order No.	Price
1	3/32	1/16	4,6,8,10	9940001	
4	1/8	1/16	4,6,8,10	9940004	
6	1/8	1/8	11,12,14,15	9940006	
9	1/4	1/8	11,12,14,15	9940009	

MATZ CONE TEST KIT NO. 227

Kit No. 227 contains 18 MATZ Cones plus two No. 1341 Cone Mandrels. There are 9 MATZ coarse grit Cones and 9 fine grit Cones in the Kit. Ideal for smoothing, cleaning and polishing grooves, ball corners, flares, angles, holes and other hard to reach surfaces.

Model No.	227
Order No.	9940027
Price	

Contents of Kit 227

- 2 Tapered Cones No. 1340 - 1" length, tapered 5/8" to 1/4"
 - 2 Tapered Cones No. 1345 - 1-1/4" length, tapered 7/8" to 1/4"
 - 2 Tapered Cones No. 1349 - 1-1/4" length, tapered 1" to 1/4"
 - 2 Tapered Cones No. 1848 - 2" length, tapered 1" to 1/2"
 - 2 Cylinder Cones No. 1350 - 1" length x 7/8" dia.
 - 2 Cylinder Cones No. 1351 - 1-1/2" length x 1" dia.
 - 2 Pointed Cones No. 1357 - 1-1/4" length x 7/8" dia.
 - 2 Pointed Cones No. 1358 - 1-3/4" length x 1" dia.
 - 2 Bullet Cones No. 4707 - 1-3/4" length x 7/8" dia.
 - 2 Cone Mandrels No. 1341 - 1/4" Shank
- Equally divided between C - Coarse and F - Fine Grit Textures



MATZ BLOCK AND STICK TEST KIT NO. 228

Kit No. 228 contains 16 of the most popular MATZ Blocks and Sticks. Excellent for cleaning, deburring and polishing metal surfaces, for breaking edges, smoothing away high spots, removing rust, heat marks, tarnish and stain.

Model No.	228
Order No.	9940028
Price	

Contents of Kit 228

- 4 Oblong Blocks No. 6803 - 6" x 1" x 3/8"
 - 4 Square Blocks No. 6404 - 6" x 1/2" x 1/2"
 - 4 Round Sticks No. 066 - 6" x 3/8" dia.
 - 4 Round Sticks No. 086 - 6" x 1/2" dia.
- Equally assorted in the four MATZ Grit Textures - C, M, F, XF



RUBBERIZED ABRASIVES SERIES 994:

MATZ POLISHING KIT NO. 232

Kit No. 232 contains a comprehensive assortment of **MATZ** items especially selected for automotive, aerospace, marine and general industrial applications - 22 of the most popular **MATZ** Polishing Wheels, Cones and Blocks in all four grit textures plus two mandrels.

Model No.	232
Order No.	9940232
Price	

Contents of Kit 232

- 8 Tapered Cones No. 1340 - 1" length, tapered 5/8" to 1/4"
- 4 Pointed Cones No. 1357 - 1-1/4" length x 7/8" dia.
- 4 Pointed Cones No. 1358 - 1-3/4" length x 1" dia.
- 3 Oblong Blocks No 6803 - 6" x 1" x 3/8"
- 3 Straight Wheels No. 204 - 2" dia. x 1/4" thick x 1/4" hole
- 1 Cone Mandrel No. 1341 - 1/4" Shank
- 1 Wheel Mandrel No. 1342 - 1/4" Shank



MATZ POINT AND MANDREL KIT NO. 767

Kit No. 767 contains two of each of the four grit textures of the five most popular **MATZ** Small Points. A total of 40 points plus two each of the No. 4 and No. 6 Mandrels. Packaged in a four compartment plastic box by grit textures C, M, F, & XF for easy selection.

Model No.	767
Order No.	9940767
Price	

Contents of Kit 767

- 8 Bullet Points No. 8 - 1" length x 9/32" dia.
 - 8 Bullet Points No. 10 - 5/8" length x 3/8" dia.
 - 8 Bullet Points No. 11 - 1" length x 3/8" dia.
 - 8 Tapered Points No. 14 - 7/8" length, x 5/8" to 1/8" dia.
 - 8 Bullet Points No. 15 - 7/8" length x 1/2" dia.
 - 2 Point Mandrels No. 4 - 1/8" Shank
 - 2 Point Mandrels No. 6 - 1/8" Shank
- Equally assorted in four **MATZ** Grit Textures - C, M, F, XF



MATZ POINT AND TEST KIT NO. 777

Kit No. 777 contains 80 Wheels and Points plus four Mandrels. Packaged in a four compartment plastic box by grit textures C, M, F, & XF for easy selection. Ideal for use in a wide range of polishing, smoothing and deburring applications.

Model No.	777
Order No.	9940777
Price	

Contents of Kit 777

- 8 Tapered Edge Wheels No. 2 - 5/8" dia.
 - 8 Straight Wheels No. 54 - 5/8" dia. x 1/8" thick
 - 16 Straight Wheels No. 74 - 7/8" dia. x 1/8" thick
 - 8 Straight Wheels No. 86 - 1" dia. x 3/16" thick
 - 16 Cylinder Points No. 6 - 7/8" length x 1/4" dia.
 - 16 Bullet Points No. 8 - 1" length x 9/32" dia.
 - 8 Bullet Points No. 10 - 5/8" length x 3/8" dia.
 - 2 Wheel Mandrels No. 3 - 1/8" Shank
 - 2 Point Mandrels No. 4 - 1/8" Shank
- Equally assorted in four **MATZ** Grit Textures - C, M, F, XF



MATZ POINT TEST KIT NO. 778

Kit No. 778 contains two each of all eight **MATZ** Point shapes equally assorted in four grit textures - a total of 64 Points plus two No. 4 and two No. 6 Point Mandrels. Ideal for deburring, smoothing and polishing hard to reach surfaces.

Model No.	778
Order No.	9940778
Price	

Contents of Kit 778

- 8 Cylinder Points No. 4 - 1/2" length x 1/4" dia.
 - 8 Cylinder Points No. 6 - 7/8" length x 1/4" dia.
 - 8 Bullet Points No. 8 - 1" length x 9/32" dia.
 - 8 Bullet Points No. 10 - 5/8" length x 3/8" dia.
 - 8 Bullet Points No. 11 - 1" length x 3/8" dia.
 - 8 Tapered Points No. 12 - 7/8" length x 3/8" to 5/16" dia.
 - 8 Tapered Points No. 14 - 7/8" length x 5/8" to 1/8" dia.
 - 8 Bullet Points No. 15 - 7/8" length x 1/2" dia.
 - 2 Point Mandrels No. 4 - 1/8" Shank
 - 2 Point Mandrels No. 6 - 1/8" Shank
- Equally assorted in four **MATZ** Grit Textures - C, M, F, XF



MATZ TOOL ROOM ASSORTMENT NO. 796

Kit No. 796 was developed to meet the demands of industry for a working assortment of **MATZ** Rubberized Abrasives for general shop and tool room requirements. This comprehensive assortment comes in a compartmented dispensing tray - takes little space (10-1/2" x 15") and makes items in textures and sizes immediately available without workers losing time. The assortment No. 796 is also widely used as a sales display by **MATZ** Distributors.

Model No.	796
Order No.	9940796
Price	

Contents of Kit 796

- 200 Tapered Edge Wheels No. 2 - 5/8" dia.
 - 200 Wheels No. 53 - 5/8" dia. x 3/32" thick
 - 100 Straight Wheels No. 74 - 7/8" dia. x 1/8" thick
 - 100 Cylinder Points No. 6 - 7/8" length x 1/4" dia.
 - 100 Bullet Points No. 8 - 1" length x 9/32" dia.
 - 24 Point Mandrels No. 1 - 3/32" shank
 - 24 Wheel Mandrels No. 2 - 3/32" shank
 - 24 Wheel Mandrels No. 3 - 1/8" shank
 - 24 Point Mandrel No. 4 - 1/8" shank
- Equally assorted in four **MATZ** Grit Textures - C, M, F, XF





LAPS
SERIES 585:



BARREL LAPS:

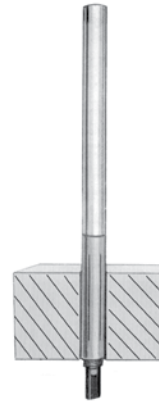
Insure fast, accurate, lapping of long or short holes. Instantly, accurately adjustable. No set-up time. No special equipment needed. Milled eccentric slots in brass barrel permit expansion of up to 15% or more by simply turning adjusting screw. Longer life, reducing lapping costs.

BLIND HOLE LAPS

Designed to accurately lap "closed-end" holes. Same "slotted" feature as the Barrel Lap, Blind Hole Laps permit high-speed lapping without galling or seizing. Holes are precision lapped from top of hole to bottom. Recessed adjusting screw in end of cylinder permits lap to reach the very bottom.

Metric sizes M3 through M25 available; please inquire.

Complete Laps					Replacement Barrels			
Size	Barrel Laps		Blind Hole Laps		Barrel Laps		Blind Hole Laps	
	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/8"	5851008		5852008		5853008		5854008	
5/32"	5851010		5852010		5853010		5854010	
3/16"	5851012		5852012		5853012		5854012	
7/32"	5851014		5852014		5853014		5854014	
1/4"	5851016		9852016		5853016		5854016	
9/32"	5851018		5852018		5853018		5854018	
5/16"	5851020		5852020		5853020		5854020	
11/32"	5851022		5852022		5853022		5854022	
3/8"	5851024		5852024		5853024		5854024	
13/32"	5851026		9852026		5853026		5854026	
7/16"	5851028		9852028		5853028		5854028	
15/32"	5851030		9852030		5853030		5854030	
1/2"	5851032		9852032		5853032		5854032	
9/16"	5851036		9852036		5853036		5854036	
5/8"	5851040		9852040		5853040		5854040	
11/16"	5851044		5852044		5853044		5854044	
3/4"	5851048		5852048		5853048		5854048	
13/16"	5851052		-		5853052		-	
7/8"	5851056		5852056		5853056		5854056	
15/16"	5851060		5852060		5853060		5854060	
1"	5851064		5852064		5853064		5854064	
1-1/8"	5851072		5852072		5853072		5854072	
1-1/4"	5851080		5852080		5853080		5854080	



Barrel



Hole

ABRASIVES

BARREL & BLIND HOLE LAP SETS

Sets supplied in hardwood stand.

Sets No.	Sizes	Barrel		Blind Hole	
		Order No.	Price	Order No.	Price
SET No. 1 - 6	Sizes 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" plus 1 additional replacement barrel of each size.	5852016		5856016	
SET No. 6 - 11	Sizes 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2"	5852611		5856611	
SET No. 7 - 13	Sizes 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 15/16", 1"	5852713		5856713	
SET No. 8 - 18	Sizes 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 15/16", 1"	5852818		5856818	



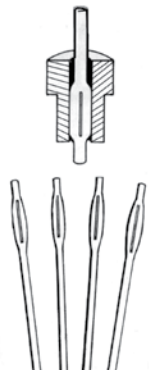
Barrel Set



Blind Hole Set

NEEDLE-EYE LAPS

ACRO Needle-Eye Laps are unequaled for lapping small holes. Each of the 20 sizes, from .026" to .250", expand to the next larger size to accurately lap the complete range of sizes.



Packaged in dozen lots only (all one size), in individual envelopes with standard Lap Expander. Also available in Trial Assortment of 17 sizes.

Size	Order No.	Price/Dz	Size	Order No.	Price/Dz
.026"	5852026		.079"	5852079	
.028"	5852028		.090"	5852090	
.030"	5852030		.104"	5852104	
.032"	5852032		.120"	5852120	
.036"	5852036		.135"	5852135	
.040"	5852040		.155"	5852155	
.046"	5852046		.170"	5852170	
.054"	5852054		.187"	5852187	
.062"	5852062		.218"	5852218	
.070"	5852070		.250"	5852250	

17pc. Assortment - Order No. 5852017

(.032 - .250")

Price

ADJUSTING TOOL

Permits easy, precision adjustments (compressing and expanding) in seconds.

Order No. 5850010

Price

LAPPING AND GRINDING COMPOUNDS

SILICON CARBIDE ABRASIVE

SERIES 447:

Perfectly suited for the cutting, smoothing and finishing of metal surfaces and for the precision matting of metal parts.

1lb. Containers



GRIT-BIT

SERIES 189:

FOR HAND TOUCH-UP OF TUNGSTEN CARBIDE AND HIGH SPEED STEEL CUTTING TOOLS

- Next to diamond in hardness, yet less expensive than diamond tools and lasts far longer.
- Sintered boron carbide grains are suspended in a tough resilient matrix which resists grain pull-out and premature separation.
- Shapes and removes metal rapidly and cleanly.
- Best for touch-up of Tungsten Carbide and HSS tools already set up in machine tools. No need to disturb setup.
- One of the few honing tools you can really bear down on without fear of breakage.
- Generous sized 1.6" Long stones.
- Cemented into sturdy 7" long handle with a 2X magnifier.
- Glaze easily cleaned off with an ordinary pencil eraser.



Grade	Grit	Description	Order No.	Price
7A	1200	Extremely Fine -	4471200	
6A	1000	Polishing, high precision	4471000	
5A	800	lapping	4470800	
4A	600	Very Fine -	4470600	
3A	500	For fine polishing	4470500	
2A	400	and lapping	4470400	
1A	320	Fine -	4470320	
A	280	For Finishing, valve lapping, dies and gauges	4470280	
B	240	Medium Fine -	4470240	
C	220	For cylinder lapping	4470220	
D	180	Medium -	4470180	
NC	150	General purpose for controlled metal removal	4470150	
E	120	Coarse -	4470120	
F	100	For the initial "cut"	4470100	
G	80	fast removal	4470080	
J	54	Very Coarse -	4470050	

Use	Grain Size	Shape	Order No.	Price
Rougher	240	Flat	1890240	
Honer	320	Flat	1890320	
Lapper	400	Flat	1890401	
Ultra	600	Flat	1890601	
Rougher	240	Rounded	1891240	
Honer	320	Rounded	1891320	
Lapper	400	Rounded	1891400	
Ultra	600	Rounded	1891600	
Rougher	240	Triangle	1892240	
Honer	320	Triangle	1892320	
Lapper	400	Triangle	1892400	
Ultra	600	Triangle	1892600	

DIAMOND POLISHING COMPOUNDS

SERIES 901:



DIAMOND POLISHING COMPOUNDS

SERIES 183:

- Ideal finishing compound for all materials - hard and soft.
- Uniformly graded diamond powder suspended in an oil soluble solution.
- Supplied in a safe disposable syringe.
- 5 gram - medium concentration.



FEATURES:

- Diamond powders uniformly distributed in an oil soluble vehicle
- Easy to use plastic 5 gram syringe

BENEFITS:

- Aggressive polishing
- Consistent part quality
- Quick clean-up

Performs on all materials-hard and soft.

Excellent for mold, die and tool polishing, tool room use, polishing to final tolerance of ceramic parts, initial charging of lapping plates and discs, and other processes that require mirror finish and close tolerance performance.



U.S.B.S. No.	Micron Range	Mesh Equiv. Size	Color	General Use	Order No.	Price
1	0-2	14,000	Ivory	Super Finish	6000700	
3	2-4	8,000	Yellow	High Polish	6000703	
6	4-8	3,000	Orange	Mirror Finish	6000706	
9	8-12	1,800	Green	High Finish	6000709	
15	12-22	1,200	Blue	Fine Finish	6000715	
30	22-36	600	Red	Fast Lapping	6000730	
45	36-54	325	Brown	Med. Cutting	6000745	

U.S.B.S. No.	Micron Range	Mesh Equiv. Size	Color	General Use	Order No.	Price
1	0-2	14,000	Ivory	Super Finish	9010369	
3	2-4	8,000	Yellow	High Polish	9010370	
6	4-8	3,000	Orange	Mirror Finish	9010665	
9	8-12	1,800	Green	High Finish	9010666	
15	12-22	1,200	Blue	Fine Finish	9010662	
30	22-36	600	Red	Fast Lapping	9010382	
45	36-54	325	Brown	Med. Cutting	9010664	

DIAMOND HONES

SERIES 585:



Double End

350

Dimensions:

OAL	Width	Thickness	Diamond Lgth
4	3/8	1/4	1

Diamond Depth: 1/16
Concentration: 100

Type	Order No.	Price
Single End - Coarse	5850000	
Single End - Fine	5850001	
Double End*	5850002	

*(One end Coarse and One end Fine)



HAND POWERED DIAMOND SHARPENERS

SERIES 956:



FEATURES & BENEFITS

- DMT Diamond Whetstones™ will sharpen, smooth, file and abrade steels much faster than standard abrasives to save labor time.
- DMT Diamond Whetstones™ abrade tungsten carbide and titanium which traditional abrasives cannot manage.
- DMT products are very durable and will remain flat.
- Customers use water as a lubricant instead of oil for clean stock removal.

DMT DIAMOND MINI-SHARP® SHARPENER

- The Anytime-Anywhere Sharpener with flip-open handle and pocket-size 2-11/16" x 15/16" stone.
- Ideal for honing and deburring in tight-to-reach places.
- Versatile deburring, edge breaking, general tool & knife sharpening.
- Perfect for sharpening pocket knives.



Model No.	Order No.	Grit	Price
F70E	9561120	X-Fine	
F70F	9560102	Fine	
F70C	9560103	Coarse	
F70X	9561123	X-Coarse	

DMT W7EFC KIT OF 3 MINI DIAMOND STONES

- Set of 3 Mini Diamond Stones for Machinists:
- Extra-fine grit for refining tooling
 - Fine grit effectively hones carbide and HSS
 - Coarse grit for deburring, filing and sharpening.
 - Convenient 2-11/16" pocket size



Model No.	Order No.	Grit	Price
W7EFC	9560190	X-Fine, Fine, Coarse	

DMT 6" DIAMOND WHETSTONE™

- Large 6" x 2" surface area
- Includes plastic box and screw down base
- Use by hand to sharpen dies or flatten metal surfaces.



Model No.	Order No.	Grit	Price
W6EP	9560315	X-Fine	
W6FP	9560316	Fine	
W6CP	9560317	Coarse	
W6XP	9560318	X-Coarse	

Grits	Mesh	Micron	Use
Extra-Fine (E)	1200	9	Achieves a shaving sharp edge
Fine (F)	600	25	Quickly hones knives, carbide, HSS
Coarse (C)	325	45	Deburring, general sharpening, ski & snowboard tuning.
Extra-coarse (X)	220	60	Rapid stock removal, ax sharpening and lawn mower blades

4 PIECE DIAMOND WHETSTONE™ SET

Set of 4 assorted models and grits of 4" Diamond Whetstones™:

- Extra-fine for polishing and refining machinist tools
- Fine machinist model effectively hones carbide and HSS
- Coarse with groove for deburring, filing and general sharpening.
- Extra-coarse for rapid stock removal.



Model No.	Order No.	Grit	Price
W4K	9560268	X-Fine, Fine, Coarse, X-Coarse	

10" DUOSHARP™ (10" X 4")

- Extra large diamond surface for professionals who want the best of the best.
- Precision flatness for precision sharpening and abrading
- Two color-coded diamond grits - one on each side
- Supplied with non-skid mat
- Optional base - also has handle for hand held sharpening/abrading of large surfaces.



Model No.	Order No.	Grit	Price
W250EFNB	9560380	X-Fine, Fine	
W250FCNB	9560382	Fine, Coarse	
W250CXNB	9560383	Coarse, X-Coarse	
B8250	9568250	Base	

8" DUOSHARP™ (8" X 2 5/8")

- Two color coded Diamond grits on bench model for extra value, convenience and applications.
- Precision flatness for precision sharpening and abrading
- Supplied with non-skid mat
- Optional base - also has handle for hand held sharpening/abrading of large surfaces.



Model No.	Order No.	Grit	Price
W8EFNB	9560365	X-Fine, Fine	
W8ECNB	9560366	X-Fine, Coarse	
W8FCNB	9560367	Fine, Coarse	
W8CXNB	9560368	Coarse, X-Coarse	
B8250	9568250	Base	



HAND POWERED DIAMOND SHARPENERS

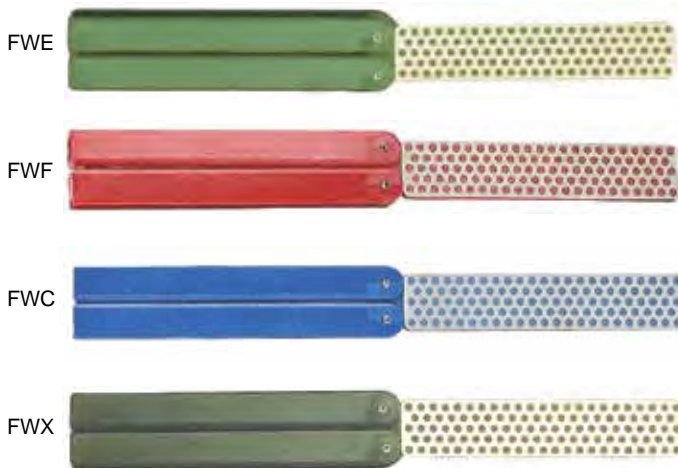
SERIES 956:



All Diafold® models offer protective folding polycarbonate handles, making the 4" tools small enough to take anywhere!

DMT DIAFOLD® DIAMOND WHETSTONE™

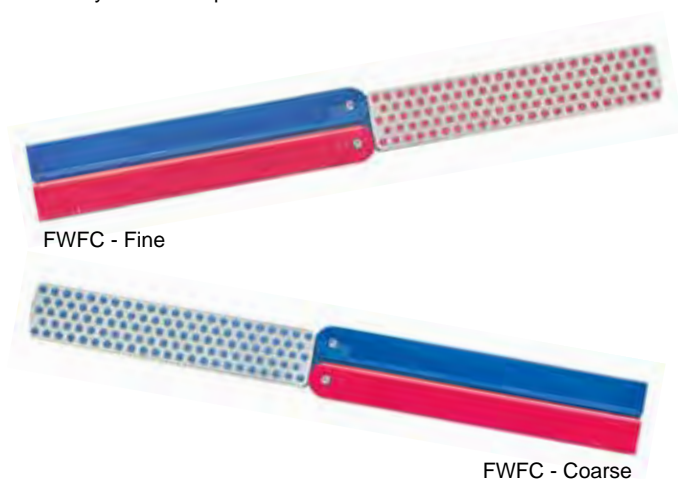
- Our most versatile model.
- Storage case becomes handle.



Model No.	Order No.	Grit	Price
FWE	9561110	X-Fine	
FWF	9561111	Fine	
FWC	9561112	Coarse	
FWX	9561113	X-Coarse	

DOUBLE SIDED DIAFOLD®

- One grit on each side
- Twice the grits, twice the benefits, twice the applications, but only 50% more price.



Model No.	Order No.	Grit	Price
FWEF	9561161	X-Fine, Fine	
FWFC	9561162	Fine, Coarse	
FWCX	9561163	Coarse, X-Coarse	

DIAFOLD® FLAT FILE

- Excellent for abrading in tight areas.
- Sharpens carbide and steel circular saw blades.



Model No.	Order No.	Grit	Price
FFF	9561135	Fine	
FFC	9561136	Coarse	

DIAFOLD® CONICAL FILE

- Tapered Diamond Cone 1/16" to 1/4" for deburring concave areas, cleaning nozzles, etc.
- Quickly sharpen serrated knives.
- Sharpens straight edge knives.



Model No.	Order No.	Grit	Price
FSKE	9561104	X-Fine	
FSKF	9561105	Fine	
FSKC	9561106	Coarse	

MACHINIST DIAMOND WHETSTONE™

- 3" interrupted pattern allows chip clearance for the fastest abrading.
- 1" continuous area for fine work.
- Includes leather sheath.

Model No.	Order No.	Grit	Price
WMF	9560271	Fine	
WMC	9560272	Coarse	



WIRE WHEEL BRUSHES-
FINEST INDUSTRIAL QUALITY
SERIES 545:



Popular Applications:

Deburring • Edge Blending • Cleaning and rust removal • Roughing for adhesion • Finishing for appearance • Flash removal - rubber and plastic parts.

Stainless steel wire is highly resistant to corrosion and high temperatures and should be used where heat and contamination is a factor. It is used in brushing aluminum, stainless and other exotic metals.

CRIMPED WIRE - NARROW FACE
DM TYPE



Brush Characteristics:

- Narrow brushing face. • High flexibility-long trim
- Highest quality oil tempered crimped wire
- Fine to medium coarse brushing action
- Gang mount for wide brush face

The **DM line** is particularly well suited for jobs where the brushing area is narrow or the surface or edge is flat.

Dia.	Approx. Face Width	Trim Lgth	Wire Size	Arbor Hole	Carbon		Stainless	
					Order No.	Price	Order No.	Price
4	11/32	15/16	.006	1/2-3/8	4503063		9503123	
4	11/32	15/16	.0118	1/2-3/8	4503103		4503153	
4	11/32	15/16	.014	1/2-3/8	4503113		-	
6	7/16	1-7/16	.006	5/8-1/2	4503174		4503234	
6	7/16	1-7/16	.0118	5/8-1/2	4503204		4503254	
6	7/16	1-7/16	.014	5/8-1/2	4503214		9503264	
8	1/2	1-13/16	.006	5/8-1/2	4503274		4503334	
8	1/2	1-13/16	.0118	5/8-1/2	4503304		-	
8	1/2	1-13/16	.014	5/8-1/2	4503314		-	

CRIMPED WIRE - MEDIUM FACE - 2" ARBOR HOLE
DA TYPE



Brush Characteristics:

- Absolute lowest end-of-service cost • Maximum desirable wire points at brush face • Highest quality oil tempered crimped wire • Low flexibility - fast cutting action - long life • Uniform brushing action

Dia.	Approx. Face Width	Trim Lgth	Wire Size	Carbon		Stainless	
				Order No.	Price	Order No.	Price
6	1-1/8	1-1/8	.006	4501104		4501174	
6	1-1/8	1-1/8	.0118	4501134		4501204	
6	1-1/8	1-1/8	.014	4501144		4501214	
8	1-1/8	1-1/2	.006	4501294		4501344	
8	1-1/8	1-1/2	.010	4501304		-	
8	1-1/8	1-1/2	.0118	4501314		4501364	
8	1-1/8	1-1/2	.014	4501324		4501374	
8	1-1/8	1-1/2	.020	4501334		-	

DA wheels fit directly on 2" diameter arbors without adapters. Adapters are required for mounting on smaller arbors. One pair is required for each wheel. These must be ordered separately.

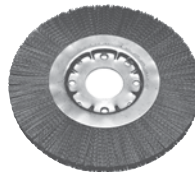
ALN 2" ADAPTORS

Used in pairs with DA Type wheels.



Arbor Hole	Order No.	Price/Pair
1/2	4537722	
5/8	4537723	
3/4	4537725	
7/8	4537726	
1	4537728	
1-1/4	4537730	
1-1/2	4537732	

CRIMPED WIRE - MEDIUM FACE
DMX TYPE



Brush Characteristics:

- High performance general purpose wheel • Heavily filled with highest quality oil tempered crimped wire • Fixed arbor design permits stacking for wide face brushing

Dia.	Approx. Face Width	Trim Lgth	Wire Size	Arbor Hole	Carbon		Stainless	
					Order No.	Price	Order No.	Price
4-1/4	3/4	5/8	.0118	5/8-1/2	4501564		-	
4-1/4	3/4	5/8	.014	5/8-1/2	4501574		-	
6	3/4	1-1/8	.006	5/8-1/2	4501594		-	
6	3/4	1-1/8	.0118	5/8-1/2	4501534		4502124	
6	3/4	1-1/8	.014	5/8-1/2	4501544		4502134	
8	3/4	1-1/2	.006	5/8-1/2	4501944		-	
8	3/4	1-1/2	.0118	5/8-1/2	4501964		-	
8	3/4	1-1/2	.014	5/8-1/2	4501974		-	
10	1	2-1/2	.014	3/4	4502026		-	

KNOT TYPE - MEDIUM FACE
WTS-K TYPE



Brush Characteristics:

- Twisted tuft straight wire construction for very strong high impact brushing action • High to medium flexibility. • Highest quality oil tempered carbon and stainless steel wire.

Popular Applications:

- Weld cleaning • Weld spatter removal (cable) • Scale removal • Cleaning • Deburring • Flash removal

Dia.	Approx. Face Width	Trim Lgth	Wire Size	Arbor Hole	Carbon		Stainless	
					Order No.	Price	Order No.	Price
4	1/2	7/8	.0118	1/2-3/8	4513573		4513613	
4	1/2	7/8	.014	1/2-3/8	4513583		4513623	
4	1/2	7/8	.020	1/2-3/8	4513603		4513643	
6	1/2	1-7/16	.0118	5/8-1/2	4513664		4513744	
6	1/2	1-7/16	.014	5/8-1/2	4513674		4513754	
6	1/2	1-7/16	.016	5/8-1/2	4513684		4513764	
8	5/8	1-3/4	.0118	5/8-1/2	4513874		-	
8	5/8	1-3/4	.014	5/8-1/2	4513884		4513944	
8	5/8	1-3/4	.016	5/8-1/2	4513894		4513954	



WIRE CUP BRUSHES SERIES 546:



Cup brushes have 5/8"-11 arbor holes.

Popular Applications:

- Heavy duty cleaning of large surfaces
- Weld scale removal
- Deburring
- Edge blending
- Roughing

Designed for use on high-speed air and electric portable tools.

CRIMPED LIGHT DUTY

UC TYPE



Brush Characteristics:

- Rugged, fast cutting action - long life
- Highest quality oil tempered carbon and stainless steel wire
- Safety designed cups
- Smooth performance at high speeds

Dia.	Trim Lgth	Wire Size	Carbon		Stainless	
			Order No.	Price	Order No.	Price
4	7/8	.0118	4610195		-	
4	7/8	.014	4610205		4610235	
4	7/8	.020	4610215		-	
5	1-1/4	.014	4610275		-	
5	1-1/4	.020	4610285		-	
6	1-1/4	.014	4610325		4610345	
6	1-1/4	.020	4610335		-	

KNOTTED TYPE - DOUBLE ROW

UDX TYPE



Brush Characteristics:

- Rugged, fast cutting action - long life
- Highest quality oil tempered carbon and stainless steel wire
- Safety designed cups
- Smooth performance at high speeds.

Dia.	Trim Lgth	Wire Size	Carbon		Stainless	
			Order No.	Price	Order No.	Price
4	1	.014	4616625		-	
4	1	.020	4616635		4616655	
6	1-3/8	.014	4616445		-	
6	1-3/8	.020	4616945		4616505	
6	1-3/8	.025	4616465		-	
6	1-3/8	.035	4616485		-	

ABRASIVES



While we show only the most popular **ANDERSON** items we can supply their entire range of products; please inquire.

KNOTTED TYPE - SINGLE ROW

US TYPE



Brush Characteristics :

- Excellent for general heavy duty work
- Able to reach into corners and angles.
- Flexible
- Fast cutting
- Good surface coverage

Dia.	Trim Lgth	Wire Size	Carbon		Stainless	
			Order No.	Price	Order No.	Price
2-3/4	3/4	.0118	4617195		4617085	
4	1-1/4	.0118	4617245		4617305	
4	1-1/4	.014	4617255		4617315	
5	1-1/4	.014	4617345		-	
5	1-1/4	.020	4617355		-	
6	1-3/8	.014	4617435		4617485	
6	1-3/8	.020	4617445		4617495	
6	1-3/8	.025	4617455		-	

TUBE BRUSHES

SERIES 547

DOUBLE SPIRAL PTD TYPE



Brush Characteristics:

Designed for use in portable tools and drill presses / Highest quality crimped wire / heavy twisted stem wire

Popular Applications:

Internal deburring / Internal thread cleaning / Internal rust and dirt removal

Mount brush tightly in power tool with minimum overhang. Engage brush in hole to be brushed before starting rotation. Stop rotation before retracting the brush.

Dia.	Lgth of Brush	Wire Size	Approx. Stem Dia	Carbon		Stainless	
				Order No.	Price	Order No.	Price
1/2	2	.004	1/8	4724200		4724201	
1/2	2	.006	1/8	4724210		-	
5/8	2	.005	3/16	4724230		4724231	
5/8	2	.008	3/16	4724240		4724241	
5/8	2	.010	3/16	4724250		4724251	
3/4	2-1/2	.006	1/4	4724281		4724283	
3/4	2-1/2	.010	1/4	4724291		4724293	
7/8	2-1/2	.006	1/4	4724321		4724323	
7/8	2-1/2	.010	1/4	4724331		4724333	
1	2-1/2	.006	1/4	4724351		-	
1	2-1/2	.010	1/4	4724361		4724363	
1-1/4	2-1/2	.006	1/4	4724370		4724372	
1-1/4	2-1/2	.010	1/4	4724380		-	

END BRUSHES
SERIES 547:



ALL END BRUSHES HAVE 1/4" SHANKS

Brush Characteristics:

- Wide range of sizes and shapes
- Highest quality oil tempered steel wire
- Densely fitted
- Long life

Popular Applications:

- Weld cleaning
- Mold cleaning
- Deburring
- Polishing tools, dies and molds
- Removing rust and paint
- Spot facing

HOLLOW END, CUP STYLE - CRIMPED WIRE
NH TYPE



Dia.	Wire Size	Carbon		Stainless	
		Order No.	Price	Order No.	Price
1-3/4	.006	4706611		4706631	
1-3/4	.0118	4706621		-	
2-3/4	.0118	4706651		-	

SOLID END - CRIMPED WIRE
NS TYPE

General purpose, used for cleaning castings, blending, polishing dies and carbon deposit removal.



Dia.	Wire Size	Carbon		Stainless	
		Order No.	Price	Order No.	Price
1/2	.006	4706901		4706971	
1/2	.010	4706921		4706981	
1/2	.020	4706941		4707001	
3/4	.006	4707011		4707071	
3/4	.010	4707021		4707081	
3/4	.020	4707041		4707101	
1	.010	4707121		4707181	

HOLLOW END, SWAGED CUP-KNOT TYPE
NH TYPE

Excellent for heavy burr removal from external surfaces and removal of heavy scale and corrosion.



Dia.	Wire Size	Carbon		Stainless	
		Order No.	Price	Order No.	Price
3/4	.014	4710921		4710951	
3/4	.020	4710931		4710961	
1-1/8	.014	4712071		4712101	
1-1/8	.020	4712081		4712111	

CIRCULAR WIRE
SSM TYPE

Ideal for internal pipe cleaning, carbon deposit removal, flash removal, and light rust and scale removal.

Dia.	Wire Size	Order No.	Price
2-1/2	.014	4708905	
2-1/2	.020	4709531	
3	.006	4709541	
3	.010	4709551	



ACID BRUSHES
SERIES 548:



Horsehair in tin handle.



Width	Order No.	Price
3/8	5489024	
1/2	5489032	
5/8	5489040	

CHIP BRUSHES
SERIES 548:



White bristle, wood handle.

Width	Thick-ness	Order No.	Price
1/2	1/4	5480032	
1	5/16	5480064	
1-1/2	5/16	5480096	
2	5/16	5480200	
2-1/2	3/8	5480232	
3	3/8	5480300	
4	3/8	5480400	



ALL METAL LOOP HANDLE

Trim Length: 1-1/2"
Overall Length: 5-1/2"



Order No.	4833266
Price	



SCRATCH BRUSHES
SERIES 548:



Brush Length: 6"
Overall Length: 13-1/4"
Trim Length: 1-1/8"



Handle Type	No. of Rows	Carbon		Stainless	
		Order No.	Price	Order No.	Price
Bent Shoe	3 x 19	4850078		4850076	
	4 x 16	4850079		4850077	

PLATER'S HAND BRUSHES



Fine wire scratch brushes for general cleaning in the plating and metal finishing industries. Ideal for use in aluminum welding with inert arc. Curved handle.

Brush Length: 1-3/8"
Overall Length: 7-7/8"
Trim Length: 1"
No. of Rows: 3 x 7



Carbon		Stainless	
Order No.	Price	Order No.	Price
4834021		4833795	

60/60 UNBLEACHED CLOTH, 1/2" THICK

BUFFING & POLISHING

FULL DISC BUFF WHEELS (40) PLY

SERIES 849:



Sisal

Spiral

Loose

Sisal: With cloth covers spiral stitched for heavy cut down steel and stainless steel.

Spiral: Tight 3/8" stitched for long life, polishing and removing scratches from any metal or plastic.

Loose: For final buffing of metals or plastics to a high shine.

Note: All wheels come with 1" arbor. Bushings available for other hole sizes.

REDUCING BUSHINGS FOR FULL DISC BUFF WHEELS (REDUCING FROM 1" HOLE)

SERIES 849:



Sold in pairs

Hole Size	Order No.	Price
1/4"	8490016	
5/16"	8490020	
3/8"	8490024	
1/2"	8490032	
5/8"	8490040	
3/4"	8490048	

BUFF CLEANING RAKE AND HANDLE

SERIES 849:



Removes compound from buffing wheels.

Order No. 8490721 Price

BUFFING KITS

SERIES 849:

For Non-Ferrous Metals

Kit Contains:

- 6" Spiral Sewed Buff
- 6" Loose Sewed Buff
- Tripoli Compound
- White Rouge Compound

(Bar size for compound in kits is 1" x 1" x 5")

Order No. 8490010
Price

General Purpose for Plastics & Metals

Kit Contains:

- 6" Loose Buff
- 6" Spiral Sewed Buff
- Tripoli Compound
- Red Rouge Compound

For Ferrous Metals

Kit Contains:

- 6" Spiral Sewed Buff
- 6" Loose Sewed Buff
- White Rouge Compound
- Emery Compound

Order No. 8490015
Price

Order No. 8490030
Price



Spiral

Sisal

Loose

Compounds

GREASELESS COMPOUND

SERIES 849:

RED LION BRAND -

Provides a satin or semi-bright finish. Various uses include polishing, burr removal, scratch finishing, etc. Produces a clean, grease-free finish. Wt: 3 lbs.



Type	Color	Order No.	Price
Heavy Cut	Blue	8591060	
Medium Cut	Green	8591070	
Fine Cut	Red	8591080	

POLISHING KIT

SERIES 849:



Used to create a mirror or high gloss finish on buffed or satin finish surfaces.

Boxed kit includes:

- 4" Spiral Sewed Buff
- 4" Loose Buff
- Rounded Goblet Buff
- Tapered Goblet Buff
- Flathead Adaptor
- Taper Mandrel
- White Rouge Compound
- Tripoli Compound

Order No. 8490005
Price

BUFFING COMPOUNDS

SERIES 849:

Industrial Size Bars - 7" x 2-3/4" x 1-1/2"

Compound	Type	Color	Order No.	Price
Tripoli Compound	Cut	Brown	8591010	
Emery Cake	Heavy Cut	Black	8591020	
White Rouge	Color	White	8591030	
Red Rouge	High Color	Red	8591040	
Blue Rouge	High Color	Blue	8591050	

Color Compounds

Color compounds are intended for buffing metals/ plastics where the work surface is in good condition. Available in mild cut - fine cut - ultra premium color yellow - white - blue green - pink.

Jewelers Rouge

Red Rouge - Super fine red iron oxide combined with enough binder to provide a brilliant luster on gold, silver and brass.

White Rouge - Ultra fine grade of compound. Provides a clear - brilliant - mirror like finish on stainless, brass and aluminum.

Blue Rouge - For cut and color on non-ferrous metals, plastics and synthetics. High luster compound.

Tripoli Compound

One of the oldest and most widely used buffing compounds. Used for cutting down and bringing out a high luster on non-ferrous metals - contains natural abrasive - fast cutting action on all types of Zinc die casting brass, copperplate aluminum casting and stamping. Greasy grade/ Quick cut - drier grease, mild cut, bright finish. Use with spiral sewed full disc or bias buff.

Emery Cake

Aggressive compound, used to soften the cut of new set-up wheels. Also used as an aggressive compound to remove scratches, rust, corrosion, and burrs from iron, steel, and other hard metals. Works well with sisal wheels.



SPECIALTY BUFFS

SERIES 849:



MUSLIN BUFFS - GOBLET BUFFS

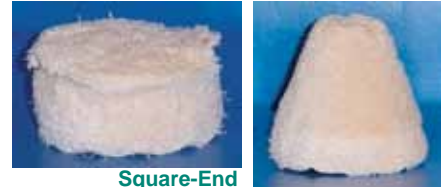
Cylinder, Round, Square, and Taper Buffs

Polish the inside of cylinders, stampings, and tapered objects. Use on both metal and plastic articles. Made of unbleached muslin. Round-end and square-end styles use both the end and the edge for polishing. Length is approximately the same as diameter (for tapered buffs, at large end). All buffs are used on a tapered spindle or chuck. Tripoli, Rouge, greaseless, or other compounds can be used as well as glued-on abrasives. Maximum RPM is 2400 for the 6" buffs; 3600 for all others.



Cylinder

Round-End



Square-End

Taper

Dia.	Cylinder		Round - End		Square - End		Taper	
	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
2"	8490102		8490202		8490302		8490402	
3"	8490103		8490203		8490303		8490405	
4"	-		8490204		8490304		-	
6"	-		8490206		8490306		-	

MIDGET BUFFS (16 PLY)

SERIES 849:

Perfect for small parts and hard to reach areas.



Dia	Order No.	Price
7/8"	8490563	
1"	8490643	
1-1/4"	8490803	
1-1/2"	8490963	
2"	8492003	

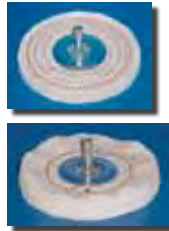


1/8" MANDREL
Order No. 8490000
Price

MANDREL MOUNTED BUFFS

SERIES 849:

Used for smaller buffing jobs. Quick mount with 1/4" mandrel on the buffs. Used for light cutting and for coloring smaller objects.



Description	Order No.	Price
4" Spiral Sewn, 1/2" Thick	8490601	
4" Cushion Sewn, 3/4" Thick	8460602	
4" Canton Flannel, 1/2" Thick	8490603	

FELT BOBS WITH SHANK

SERIES 947:



Style	Dia.	Length	Shank	Medium Density	Hard Density	Price
B1	1/4"	1/4"	1/8	800002	800003	\$1.65
B2	1/4	3/8"	1/8	800006	800007	
B3	3/8	3/8"	1/8	800009	800010	
B4	3/8	1/2"	1/8	800013	800014	
B5	1/2	1/2"	1/8	800017	900018	
B7	1/2	1"	1/8	800025	-	
B8	3/4	3/4"	1/8	800029	800030	
B11	1"	1"	1/4	800041	800042	
B14	1"	2"	1/4	800057	800058	

Style	Dia.	Length	Shank	Medium Density	Hard Density	Price
SB1A	1/2"	1"	1/8	800206	800207	
SB1C	1"	2"	1/4	800214	800215	
SB2C	1"	1"	1/4	800247	-	
SB3A	1/2"	1"	1/8	800265	800266	
SB3B	3/4"	1-1/2"	1/4	800269	-	
SB3C	1"	2	1/4	800273	-	

FELT BOBS KITS

SERIES 947:



Description	No. of Bobs	Density	Order No.	Price
Set of 3/32 Shank Assorted Shapes	5	Hard	800390	
Set of 1/8" Shank Assorted Cylinders and Shapes	7	Med	800461	
Set of 1/8" Shank Assorted Cylinders and Shapes	7	Hard	800462	
Set of 1/4" Shank Assorted Shapes	12	Hard	800465	



ABRASIVES

SINGLE LAYER CLUSTERS

SERIES 560:

Shank: 7/16 dia. x 1-1/2 Overall Length
Head: 5/8 x 5/8

3/8" x 1/2" Shanks available; please inquire.



Type	Approx. Carat	MEDA		STAR USA	
		Order No.	Price	Order No.	Price
5 stone	1	5600003		354644	
7 stone	2	5600005		354646	
7 stone	3	-		5600007	

DIAMOND NIB HOLDER

SERIES 191:

- Designed for use on surface grinders
- Holds Diamond dresser at proper 15° Angle
- Base dimension: 2-1/2" x 6" (63.5mm x 152mm)
- Key-way: 1/2" wide x 7/8" (12.7mm x 22.22mm)
- Includes Diamond dresser 7/16" (11.1mm) x 2" (50mm) (1/4 Carat)



Order No.	Description	Price
1910004	Diamond Nib Holder Replacement	
1910005	Diamond dresser only 7/16" (11.1mm) x 2" (50mm)(1/4 carat)	

LOW-BOY ANGLE DRESSER

SERIES 191:

Order No.	Description	Price
1910008	Complete, with diamond dresser	
1910009	Replacement diamond dresser only 3/8" (9.5mm) x 2" (50mm) (1/4 Carat)	



- Designed for use on all grinding machines.
- Base Angle-Plate is Heavy, Precision Ground, Square on all six sides to an accuracy of .0005"
- Side Block Pivots on hardened shoulder screws.
- Includes Diamond dresser 3/8" (9.5mm) x 2" (50mm) (1/4 Carat).

WHEEL DRESSER

SERIES 191:

- For dressing surface wheels
- Adjusts easily from 0-8"
- Uses standards 3/8" shank diamonds
- Supplied complete with diamond



Order No. 1425001	Price	
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DIAMOND DRESSERS

SERIES 560:

Round shank, 6" Overall Length unless otherwise shown.

"Select" Quality diamonds because of their many cutting edges, may be reset several times.



Carat	MEDA			Price
	3/8 Shank	7/16 Shank	1/2 Shank	
1/4 x 3 OAL	5601630	5601631	5601632	
1/4	5601660	5601661	5601662	
1/3 x 3 OAL	5602130	5602131	5602132	
1/3	5602160	5602161	5602162	
1/2	5603260	5603261	5603262	
3/4	5604860	5604861	5604862	
1	5606460	5606461	5606462	
1-1/2	5609660	5609661	5609662	
2	5620060	5620061	5620062	
3	9630060	5630061	5630062	
4	-	5640061	-	
5	-	9650001	-	

Carat	"SELECT" QUALITY - STAR USA			Price
	3/8 Shank	7/16 Shank	1/2 Shank	
1/4	5601600	5601601	5601602	
1/3	5602100	5602101	5602102	
1/2	5603200	5603201	5603202	
3/4	5604800	5604801	5604802	
1	5606400	5606401	5606402	
1-1/2	353005	5609601	353205	
2	353006	5620001	353206	
3	-	5630001	-	



HAND DIAMOND DRESSERS

SERIES 560:

- Dressers fitted with plastic handle
- Shank Diameter 7/16" (11.1mm); overall length 8" (200mm)
- Beautiful chrome finish
- High quality diamonds
- Ideal tool for dressing wheels for surface grinders, universal grinders etc.
- Moderately priced

Order No.	Diamond Size	Price
5601400	1/4 Carat	
5601300	1/3 Carat	
5601200	1/2 Carat	
5603400	3/4 Carat	
5601000	1 Carat	
5601120	1-1/2 Carat	
5602000	2 Carat	
5603000	3 Carat	
5604000	4 Carat	
5605000	5 Carat	



HI-LOW ADJUSTABLE DRESSER

SERIES 191:

- Designed for use on all grinding machines
- Dress O.D. and face of wheels
- Adjustable to 7" (175mm) height
- Dress any width
- Rugged Construction
- Includes Diamond dresser: 3/8"(9.5mm) x 3" (75mm) (1/4 Carat)



Order No. 1910006	Price	
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DRESSING TOOLS
SERIES 901:



GRIT TOOLS

Features:

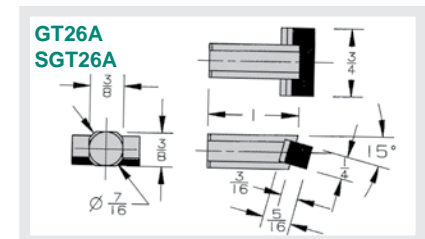
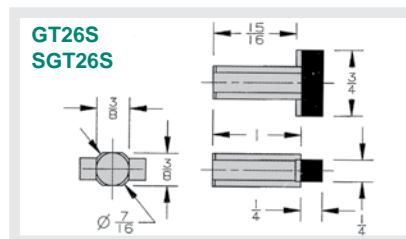
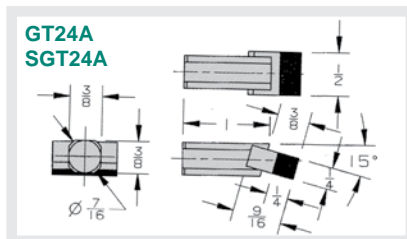
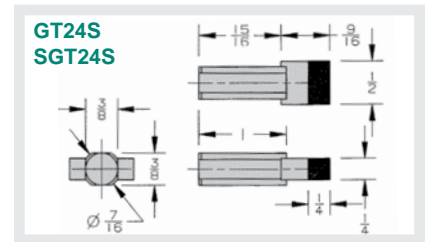
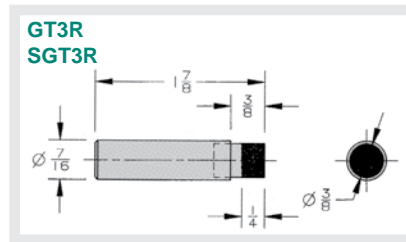
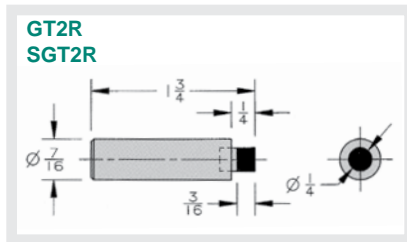
- Uniformly distributed diamonds in a tough, durable matrix
- Overall diamond weight exceeds equivalent single point tool
- Multiple diamond points exposed to truing operation
- Medalist grit tools contain 3 times the standard diamond concentration

Benefits:

- Tools require no turning
- Longer tool life
- Consistent performance throughout tool life
- Faster, more consistent straight face dressing than with single point tools
- Because of a larger diamond section dressing can be accomplished quickly



STAR USA offers grit tools for straight dressing various diameter grinding wheels; a GT for conventional abrasive wheels and SGT for ceramic and silicon carbide wheels.



1 TOOL PER BOX

Order No.	Product No.	Shank Dia.	Diamond Section Size	Recommended for Wheel Dia.	Price
Grit Tools for ceramic and silicon carbide wheels					
92037	SGT7	7/16"	1/4 Round x 1/4" Long	Up to 10" Dia.	
92038	SGT8	7/16"	3/8 Round x 3/8" Long	11" to 14" Dia.	
92040	SGT3	7/16"	1/4 x 1/2 x 3/8" at 15° Angle	15" to 20" Dia.	
92041	SGT4	7/16"	1/4 x 3/4 x 5/16" Straight	Over 20" Dia.	
Grit Tools for conventional wheels					
92031	GT7	7/16"	1/4 Round x 1/4" Long	Up to 10" Dia.	
92032	GT8	7/16"	3/8 Round x 3/8" Long	11" to 14" Dia.	
92033	GT1	7/16"	1/4 x 1/2 x 3/8" Straight	15" to 20" Dia.	
92034	GT3	7/16"	1/4 x 1/2 x 3/8" at 15° Angle	15" to 20" Dia.	
92035	GT4	7/16"	1/4 x 3/4 x 5/16" Straight	Over 20" Dia.	
92036	GT6	7/16"	1/4 x 3/4 x 5/16" at a 15° Angle	Over 20" Dia.	



TechTip

- Tool should have full face contact with the wheel.
- When using a new tool, 3-5 passes at .005" per pass should be taken to expose the diamonds.
- Infeed per pass not to exceed .003" (.0015" for a Medalist product).
- Traverse rates may range from 6-10" per minute.
- Use coolant whenever possible.
- To optimize applications using Medalist abrasives and/or tools, normal dressing parameters must change. Significant reductions in the amount of infeed and frequency of dress will result in substantially lower cost per part ground.
- It is the user's responsibility to refer to and comply with ANSI B7.1



DRESSING TOOLS

SERIES 901:



MEDALIST SINGLE POINT DRESSERS FOR CERAMIC AND SILICON CARBIDE WHEELS

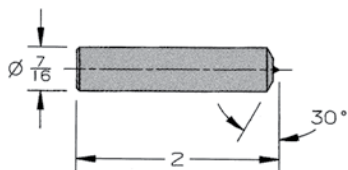
Features:

- Broad shape, long lasting diamond
- Each diamond is hand selected for stone shape, quality and structural integrity
- Multiple purpose

Benefits:

- Fast truing and dressing action
- Specifically designed as an economical alternative for dressing Medalist abrasives
- Accommodates most straight dressing and minor form dressing applications
- Stands up to Medalist abrasive sharpness: can also be used to dress conventional abrasives

Designed for truing and dressing of Medalist abrasive surface and cylindrical grinding applications in toolrooms, machine shops and light industrial applications. Engineered to withstand Medalist abrasive grinding wheel dressing pressures. Furnished with specially selected diamonds, the Medalist single point tool has the versatility to be used on conventional abrasives with significant benefits. Best choice for Medalist abrasive when a disposable product is preferred.



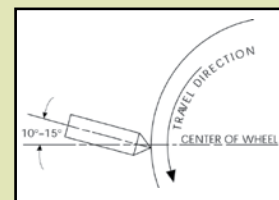
Available in either 3/8" or 7/16" Diameter Shank



TechTip

Use Single Point Dressers at a 15° angle to the wheel centerline.

- It is the user's responsibility to refer to and comply with ANSI B7.1



1 DRESSER PER BOX

Order No.	Product No.	Shank Dia.	Shank Length	Diamond Carat Weight	Price
Medalist Single Point Dressers					
92013	MSPDT2-3/8	3/8	2.0"	1/4 (.25)	
92014	MSPDT3-3/8	3/8	2.0"	1/3 (.33)	
92015	MSPDT5-3/8	3/8	2.0"	1/2 (.50)	
92018	MSPDT2-7/16	7/16	2.0"	1/4 (.25)	
92019	MSPDT3-7/16	7/16	2.0"	1/3 (.33)	
92020	MSPDT5-7/16	7/16	2.0"	1/2 (.50)	
92021	MSPDT7-7/16	7/16	2.0"	3/4 (.75)	
92022	MSPDT10-7/16	7/16	2.0"	1 (1.00)	

These tools can not be reset.

CONVENTIONAL SINGLE POINT DRESSERS FOR ALUMINUM OXIDE WHEELS

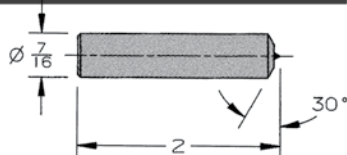
Features:

- Well defined sharp diamond point
- Accommodates most straight dressing and minor form dressing applications

Benefits:

- Fast truing and dressing action
- Economical choice for dressing conventional abrasives

Designed for truing and dressing of conventional abrasive surface and cylindrical grinding operations in toolrooms, machine shops and light industrial applications. Best choice when a disposable product is preferred.



Available in either 3/8" or 7/16" Diameter Shank

1 DRESSER PER BOX

Order No.	Product No.	Shank Dia.	Shank Length	Diamond Carat Weight	Price
Conventional Single Point Dressers					
92001	SPDT1-3/8	3/8	2.0"	1/5 (.20)	
92002	SPDT2-3/8	3/8	2.0"	1/4 (.25)	
92003	SPDT3-3/8	3/8	2.0"	1/3 (.33)	
92004	SPDT5-3/8	3/8	2.0"	1/2 (.50)	
92005	SPDT7-3/8	3/8	2.0"	3/4 (.75)	
92006	SPDT10-3/8	3/8	2.0"	1 (1.00)	
92007	SPDT1-7/16	7/16	2.0"	1/5 (.20)	
92008	SPDT2-7/16	7/16	2.0"	1/4 (.25)	
92009	SPDT3-7/16	7/16	2.0"	1/3 (.33)	
92010	SPDT5-7/16	7/16	2.0"	1/2 (.50)	
92011	SPDT7-7/16	7/16	2.0"	3/4 (.75)	
92012	SPDT10-7/16	7/16	2.0"	1 (1.00)	

These tools can not be reset.

GENERAL PURPOSE RADIUS TOOLS

Features:

- Dresses a wide range of radius sizes.

Benefits:

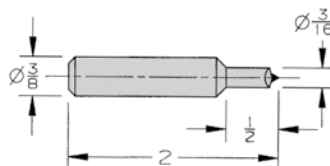
- Economical alternative for form dressing.

For concave or convex dressing.

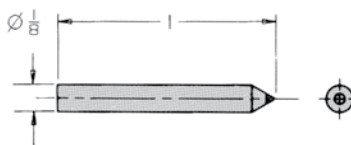
1 DRESSER PER BOX

These tools can not be reset.

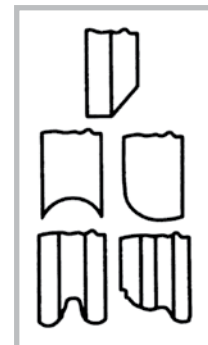
Order No.	Product No.	Shank Dia.	Shank Length	To Dress a Radius of	Price
Radius Dresser					
92024	RDT-3/8	3/8	2.0"	1/32" thru 1/4	
Order No.	Product No.	Shank Size		Included Angle	Price
Phono Point Tools					
92025	PPDT60-1/8	1/8 x 1"		60°	
92026	PPDT75-1/8	1/8 x 1"		75°	
92027	PPDT90-1/8	1/8 x 1"		90°	



RADIUS DRESSER



PHONO POINT TOOL



TYPICAL WHEEL FORMS TO WHICH PHONO POINT TOOLS CAN BE APPLIED

GRINDING WHEEL DRESSERS
SERIES 191:



Sturdy construction. Made of cast iron. These dressers will quickly remove the load from grinding wheels and present a new and fast grinding surface.

For use on wheels		Order No.	Price
Diameter	Face		
Up to 10	2	1910000	
10-16	3	1910001	
16-36	3-1/2	1910002	

EXTRA CUTTERS FOR GRINDING WHEEL DRESSERS

For use with	Order No.	Price
1910000	1911000	
1910001	1911001	
1910002	1911002	



RADIUS DRESSER
SERIES 191:

For Surface Grinders



This radius dresser shapes and dresses grinding wheels from below so that there is no need to remove the grinder wheel guard. The shaft is of hardened ground steel, turning in a cast iron bearing that permits very fine adjustment. Spindle is spring loaded. For use with any 1/2" shank diamond. Diamond not included.



Capacity 7"
Convex radii up to 1-3/4"
Concave radii up to 4"
Width 2-1/4"
Length 7"
Height 5"
Weight 6lbs.

Order No. 1425007	Price	
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PROFILE WHEEL DRESSER
SERIES 465:



- Extremely accurate, this radius and angle dresser can dress 2 angles tangent to a radius in one continuous motion to within .0001" (0.002mm).
- Fast and easy set-ups without elaborate accessories: only tools needed are a micrometer and a hex key wrench.
- Precise and sharp contours, concave or convex, are consistently obtained at a full 180° range.
- Made from hardened, ground and lapped alloy tool steel.
- No exposed wear surfaces. Swivels on sealed bearings.
- Wheel dresser is furnished complete with base featuring one inch adjustment.
- Graduation micrometer knob provides fine adjustment to accurately dress small radii.



Overall Height 7"
Dimensions 4-3/4 x 3-1/2 x 1-1/4"H
Range of Convex Radii 0 - 1.500"
Range of Concave Radii030 - 1.500"
Wheel dressing capacity 8" diameter
Height to center of diamond 6- 1/2"
Weight 23 lbs.

Order No. 4651012	Price	
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PUNCH FORMER
SERIES 465:



For dressing grinding wheel into various cross sections or flat or curved shapes.



Optional Accessory

Oscillating V-block for tangent dressing

Max. dia. workpiece 1-1/4"
V-Block 1-3/16"
Tangential Travel (either side of center) 25/32"
V-Block Adjusting System Rack & pinion
Center Height 3-1/2"
Indexing Div. 24 every 15° ± 10 sec.
Roundness0001"
Parallelism within .0001" in 4"
Squareness within .0002" in 4"
Graduation 360°

Order No. 4651013	Price	
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Order No. 4651015	Price	
(Includes optional V-block)		

RADIUS AND ANGLE DRESSER
SERIES 465:



Suitable for all O.D., I.D., and surface grinding operations. Included center line gage ensures accurate setting of diamond. Critical parts are hardened and ground to close tolerances. Both radius and angle dressing are controlled by a knob so that the operator's hands remain far from the point of contact. Uses standard 3/8" shank diamonds. Diamond included.



Maximum dia. of wheels 12"
Internal Radii 5/8" - 1-5/8"
External Radii 0 - 1-5/8"
Height of Center 4"
Tangent travel from center 1-5/8"
Overall Length 13-1/2"
Weight 20lbs.

Included Accessories:
*15" with extension
** 1/32" - 1-5/8" with Rat-Tail Adaptor

Order No. 2580000	Price	
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VISI-DRESS RADIUS AND ANGLE DRESSER
SERIES 465:



- 1° Vernier markings for dressing angles.
- Magnification, through hole in the spindle, makes it possible for the operator to see how to dress the form on the grinding wheel.
- Fixed Focus Lens (3X)
- Wheel form grinding done easily and accurately
- Furnished with 90° phonopoint diamond
- Compact design
- Case



Overall Height 4"
Length 8-1/4"
Swing Arm 180°
Max. Size Grinding Wheel 8"
Max. Outside Radius (on wheel) 5/8" approx.
Max. Inside Radius (on wheel) 1" approx.
Spindle 1" O.D.
Weight 11 lbs.

Order No. 4651014	Price	
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END MILL GRINDING FIXTURE

SERIES 355:



For grinding FACES ONLY. Solid ball stops with 15 1/2° spacing allows fast and easy set ups for sharpening 2, 3, 4, 6 and 8 flute end mills. Fixture uses 5-C collets so that all end mills with shank diameters from 1/16" through 1-1/8" can be ground. Clearance and relief angles are built into solid 2-1/2" x 4-1/4" base having a ground bottom.

Meda Order No. 2085000	Price	<input type="text"/>
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Eagle Rock Order No. 3550205	Price	<input type="text"/>
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CUTTER GRINDING FIXTURE

SERIES 356:



For sharpening standard cutters and for grinding angles and radii.

Quickly and easily converts your surface grinder into a grinder for cutters up to 6" diameter and 1" width. Bore diameters of 7/8", 1-1/4", and 1-1/2" are accommodated.

Order No. 3750206	Price	<input type="text"/>
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END MILL SHARPENER

SERIES 355:



- Quickly and accurately sharpen 2, 3, 4, 6 and 8 fluted end mills in your own plant.
- Built in clearance and relief angles
- Column is spring loaded for constant bearing with base.
- Precision ground base (5" x 5") for use on magnetic chucks
- Includes 1 each; 3/8", 1/2", and 5/8" bushings; others available

Order No. 3450000	Price	<input type="text"/>
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Optional accessories:



3/4" I.D. Bushing

Order No. 3550048	Price	<input type="text"/>
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1" I.D. Bushing

Order No. 3550064	Price	<input type="text"/>
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DRILL GRINDING ATTACHMENT

SERIES 356:



- Accurately sharpens all drill bits with diameters from .1181 thru .750"
- Dial drill point angle and unit automatically adjusts to give correct clearance angle.
- For use with bench or surface grinders

Order No. 3560000	Price	<input type="text"/>
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WOODRUFF CUTTER GRINDING FIXTURE

SERIES 356:



A fast and easy way to regrind any size Woodruff Cutters with 1/2" shank

Order No. 2095000	Price	<input type="text"/>
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ENDMILL & CUTTER SHARPENER

SERIES 354:



- Carbide ball bearings for minimum wear and vibration.
 - Spindle bearings require no air, hydraulic, or delicate adjustments.
 - Rigid finger holder and bar for best precision finish.
 - Micrometer Dial for setting adjusting finger for cutting edge clearance.
 - Nearly point contact assures no surface for dirt or grit to accumulate.
 - Rocker Arm enables fast indexing and brings cutter to wheel.
 - Accepts cutters with diameters up to 12" when using riser blocks.
 - Includes 2 spindles and 4 bushings to cover 3/16" through 1-1/4" shank end mills.
- Weight: 35 lbs.

Order No. 2080000	Price	<input type="text"/>
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