



Polishing Supplies

EDM Polishing Stones P1

AM-8 Excellent ultrasonic stone, strong; holds shape
AS-9 Great with porfiler & hand stoning



Specialty Stones P7

"AO" Aggressive stone for general mill removal of EDM
"TH" Aluminum oxide; performs well on all types tool steel
900-F Very soft stone for super-fine finishing



Industrial Abrasives P13

Sharpening Stones
For deburring, sharpening, honing
Dressing Sticks
Aluminum Oxide to clean & dress wheels
Boron Carbide Dressing Stick
Extremely wear resistant



EDM Polishing Stones P2

Orange EDM - Fast cutting action consistent breakdown
GOLD - Perfect all around aluminum oxide stone



Roughing Stones P8

Roughout - Softer stone, aggressive cutting
Ruby - Extremely fast cutting stone
Boat Stone - for large dies and sharp edges
Roughing - Medium stone for large cavity or parting lines



Diamond Compounds P14

DMS Diamond Compound
Oil soluble, high quality
Mold Makers Diamond
Oil soluble, consistent particles
"Super US" - Very high concentration of diamond particles



General Purpose Stones P3

Aluminum Oxide

AM-2 General purpose stone; soft; fast breakdown
Die Stone - similar to AM2, but slightly harder



Detail Stones P9

Ceramic Super stones
Very strong, used for EDM removal in ribs & slots
Air Operated Lapping Machine
Pneumatic short-stroke profiler



Diamond Compounds P15,16

Oil-Based
Water-Based



General Purpose Stones P4

Aluminum Oxide

AM-K White aluminum oxide good for machined surfaces
AS-H White aluminum oxide softer than AM-K



Detail Stones P10

Ceramic Diamond
Diamond impregnated stone for harder steels 45-65Hrc
CNB80 & CNB120 - Extremely aggressive composite fiber



Lapping Items P17

Diamond Compound
For finishing & touch up work
High Speed Motor



General Purpose Stones P5

Silicon Carbide

CS Fast cutting black silicon carbide
CS-M premium green silicon carbide, fast cutting med. hard
CS-HD Harder than CS-M excellent for hard steels 47-63Hrc



Accessories P11

Stone holders
Specially designed for hand use and profilers



Mounted Stones P18,19

MX Wheels
For polishing and deburring of runners
Polishing Points
3/32 shanks for all mold & die work
Mounted Stones
"W" shapes for general purpose grinding

Specialty Stones P6

"PC" Premium stone for final finish work
"T2" Excellent stone for stainless steel
"T4" Engineered for finishing aluminum & soft metals



Accessories P12

Bori-Lube - To clean, lubricate, prevent stone loading
Mold Polish - Removes haze, rust, oxidation, stains & haze-out
Turbo-Lap - Pneumatic Short Stroke Profiler
Rib-Light - High intensity pen lights



Polishing Felts P20

Felt Bobs & Wheels
To produce high finishes on all dies & molds



Polishing Supplies

Polishing Brushes P21

Mounted Polishing Brushes

Bristle & wire fill for various applications



Specialty Abrasives P27

Flap Wheels

Cleaning, deburring & blending

Non-Woven Hand Pads

Non woven synthetic fiber with abrasive grain for surface conditioning without damage.



Carbide Burs P33

Carbide burs - 1/4 shanks

Cut-Off Wheels & Mandrels P22

High Speed Cutoff Wheel

For quick cutting & blending

Reinforced Cutoff Wheels

Smoother cuts on ferrous metals

Mandrels

Various mandrels for mounting felts & wheels



Diamond Products P28

Standard, long & needle diamond files

For use on carbide, stainless, hardened steel, glass, ceramics, and other hard materials.

Diamond Foil

Diamond grain electroplated on to foil

Carbide Burs P34

Carbide Burs - 1/4 shanks

Carbide Burs - 1/4 shanks for non-ferrous metals

Carbide Blanks - Round blanks & split ends for etching.

Coated Abrasives P23

PSA Discs - Resin bond cloth discs with adhesive

PSA Disc Holder - Plastic backing pads with shanks

Shop Rolls - Cloth aluminum oxide bench rolls

PSA Strips - Resin & glue bond abrasive strips with adhesive



Diamond Products P29

Tapered Diamond Needle Files

Flat or round handles. Permit filing slots or ribs as narrow as .020". Round handles designed for profilers & lappers.



Steel Files P35

Needle Files - 6-1/4" long reach for profilers & hand



Coated Abrasives P24

Aluminum oxide laminated discs

Available in 2 styles of screw on technology and two grades of resin.



Diamond Products P30

Diamond Needle Files

& Extra Thin Diamond Files

Economical range of files for use in profilers.

Diamond Points & Diamond Discs

Miniature mounted points & discs for fine detail jobs.

Steel Files P36

Diemakers' & Silversmiths' Files

Diesiners' Regular Riffle - 7" Overall

Coated Abrasives P25

Zirconium Laminated Discs

Available in 2 styles of screw on technology & two grades

Laminated Disc Holders

For mounting of all laminated discs



Carbide Burs P31

Carbide burs - 1/8 shanks



Stone Selection Guide P37

Stone Selection Suggestions

Popular Stone Shapes - Inches, Millimeters

Specialty Coated Abrasives P26

Cartridge Rolls - For high speed deburring

Spiral Bands - Great in curved or hard to reach areas



Carbide Burs P32

Carbide burs - 1/8 shanks x 1/4 head

Carbide burs - SS White 3/32 Shank dental burs

Carbide Burs - 3/32" diameter



EDM Polishing Stones

AM-8



AM-8 is designed for removing EDM scale on all types of mold & die steel. Additionally, it is an excellent tool for polishing sharp corners and small details either by hand or with the use of polishing machines.



AM-8	100	120	150	180	220	280	320	400	600
1/16 x 1/4 x 6		020120	020230	020340	020450	020560	020670	020780	021000
1/16 x 1/2 x 6	020020	020130	020240	020350	020460	020570	020680	020790	021010
1/8 x 1/8 x 6	020030			020360	020470		020690	020800	021020
1/8 x 1/4 x 6	020040	020150	020260	020370	020480	020590	020700	020810	021030
1/8 x 1/2 x 6	020050	020160	020270	020380	020490	020600	020710	020820	021040
1/8 x 1 x 6	020060	020170	020280	020390	020500	020610	020720	020830	021050
5/32 x 5/32 x 6	020070	020180		020400	020510		020730	020840	021060
1/4 x 1/4 x 6	020090	020200	020310	020420	020530	020640	020750	020860	021080
1/4 x 1/2 x 6	020100	020210	020320	020430	020540	020650	020760	020870	021090
1/4 x 1 x 6	020110	020220	020330	020440	020550	020660	020770	020880	021100
3/8 x 3/8 x 6	020112	020222	020332	020442	020552		020772		
1/4 TRI x 6		020224		020444	020554		020774		021104
3/8 TRI x 6		020225		020445	020555		020775		021105
1/4 RND x 5.5		020227		020447	020557		020777	020887	021107
3/8 RND x 5.5		020228		020448	020558		020778		021108

AS-9



AS-9 is engineered for hand stoning EDM scales surfaces. It can be used with polishing machines, but the special formulation provides a fast, smooth cutting action during hand stoning. Use either with a lubricant or dry.



AS-9	100	120	150	180	220	280	320	400	600
1/16 x 1/4 x 6		021260	021370	021480	021590	021700	021810	021920	022140
1/16 x 1/2 x 6	021160	021270	021380	021490	021600	021710	021820	021930	022150
1/8 x 1/8 x 6				021500	021610	021720	021830	021940	022160
1/8 x 1/4 x 6	021180	021290	021400	021510	021620	021730	021840	021950	022170
1/8 x 1/2 x 6	021190	021300	021410	021520	021630	021740	021850	021960	022180
1/8 x 1 x 6	021200	021310	021420	021530	021640	021750	021860	021970	
5/32 x 5/32 x 6		021320		021540	021650		021870	021980	022200
1/4 x 1/4 x 6	021230	021340	021450	021560	021670	021780	021890	022000	022220
1/4 x 1/2 x 6	021240	021350	021460	021570	021680	021790	021900	022010	022230
1/4 x 1 x 6	021250	021360	021470	021580	021690	021800	021910	022020	022240



EDM Polishing Stones

Orange EDM

Orange EDM can be used by hand, with a profiler or ultrasonic units. Designed as an excellent tool for fast EDM scale removal. Orange EDM holds its shape and provides consistent cutting.



Orange EDM	120	180	220	320	400	600
1/16 x 1/4 x 6	082005		082203	082307	082405	082604
1/16 x 1/2 x 6	082011		082215	082311	082412	082606
1/8 x 1/8 x 6	082015	082101	082219	082319	082417	082615
1/8 x 1/4 x 6	082019	082115	082225	082322	082419	082619
1/8 x 1/2 x 6	082021	082120	082230	082325	082421	082623
1/8 x 1 x 6	082023	082126	082232	082330	082425	082627
5/32 x 5/32 x 6	082029	082129	082236	082335	082430	082633
1/4 x 1/4 x 6	082035	082137	082239	082340	082439	082637
1/4 x 1/2 x 6	082042	082142	082242	082342	082442	082642
1/4 x 1 x 6	082045	082149	082252	082346	082455	082659
3/8 x 3/8 x 6	082055		082254	082355	082457	082661
1/4 TRI x 6	082066		082270	082362	082465	
3/8 TRI x 6	082070		082275	082365	082467	
1/4 RND x 5.5	082083		082283	082367	082471	082695

Gold



The new GOLD stone is the perfect all around aluminum oxide stone. It has excellent breakdown characteristics and retains its shape well. The GOLD is filled with a special lubricant, however, it is recommended to use polishing lubricants with all grits; pre-soaking is not required. This stone works well on EDM machined surfaces and on all tool steels. The GOLD stone can be used by hand or in a reciprocating profiler. Also available in metric sizes.



GOLD	150	220	320	400	600	800
1/8 x 1/4 x 6	057240	057440	057540	057640	057740	057840
1/8 x 1/2 x 6	057250	057450	057550	057650	057750	057850
5/32 x 5/32 x 6	057230	057430	057530	057630	057728	057830
1/4 x 1/4 x 6	057260	057460	057560	057660	057760	057860
1/4 x 1/2 x 6	057270	057470	057570	057670	057770	057870
1/4 x 1 x 6	057271	057472	057572	057671	057772	057872



General Purpose Stones Aluminum Oxide

AM-2



An excellent all around finishing stone. AM-2 is engineered for hand polishing of all types of mold & die steels, including SAE1030 pre heat treated P20, H13, S-7 and T-420. Soft action combined with the perfect breakdown permits pre-finishing on non-ferrous metals.



AM-2	100	150	180	220	280	320	400	600	900
1/16 x 1/4 x 6	023210	023340		023600	023730	023860	023990	024250	024510
1/16 x 1/2 x 6	023220	023350		023610		023870	024000	024260	024250
1/8 x 1/8 x 6	023220	023360	023490	023620		023880	024010	024270	024530
1/8 x 1/4 x 6	023240	023370	023500	023630	023760	023890	024020	024280	024540
1/8 x 1/2 x 6	023250	023380	023510	023640	023770	023900	024030	024290	024550
1/8 x 1 x 6	023260	023390	023520	023560	023780	023910	024040	024300	
5/32 x 5/32 x 6	023720	023400	023530	023660		023920	024050	024310	024570
1/4 x 1/4 x 6	023290	023420	023550	023680	023810	023940	024070	024330	024590
1/4 x 1/2 x 6	023300	023430	023560	023690	023820	023950	024080	024340	024600
1/4 x 1 x 6	023310	023440	023570	023700	023830	023960	024090	024350	024610
3/8 x 3/8 x 6	023315	023445		023705	023835	023965	024095	024355	
1/2 x 1/2 x 6	023320	023450	023580	023710	023840	023970	024100	024360	024620
1/2 x 1 x 6	023330	023460	023590	023720	023850	023980	024110	024370	024630
1 x 1 x 6	023331	023461	023591	023721		023981	024111	024371	
1/4 TRI x 6		023463		023723		023983	024113		
3/8 TRI x 6		023464		023724		023984	024114		
1/4 RND x 5.5		023466		023726		023986	024116	024376	
3/8 RND x 5.5		023467		023727		023987	024117	024377	
1/2 RND x 5.5		023468		023728		023988	024118		

Die Stone



The Die Stone is engineered for use on all tool steels. It provides consistent breakdown and fast cutting action. Slightly harder than the AM-2.

Die Stone	150	180	220	320	400	600
1/16 x 1/4 x 6	081017		081203	081323	081405	081611
1/16 x 1/2 x 6	081012		081210	081324	081409	081620
1/8 x 1/8 x 6	081015	081112	081215	081329	081412	081625
1/8 x 1/4 x 6	081019	081117	081223	081333	081419	081629
1/8 x 1/2 x 6	081022	081123	081225	081335	081421	081631
1/8 x 1 x 6	081025	081128	081231	081336	081422	081633
5/32 x 5/32 x 6	081030	081135	081235	081339	081425	081639
1/4 x 1/4 x 6	081037	081139	081236	081340	081436	081640
1/4 x 1/2 x 6	081042	081142	081242	081342	081442	081642
1/4 x 1 x 6	081045	081149	081273	081349	081449	081646
3/8 x 3/8 x 6	081048		081278	081353	081452	081655
1/2 x 1/2 x 6	081053	081154	081283	081354	081455	081662
1/2 x 1 x 6	081057	081157	081286	081355	081460	081664
1 x 1 x 6	081062	081163	081289	081359	081465	081669
1/4 TRI x 6	081065		081290	081361	081469	
3/8 TRI x 6	081069		081291	081364	081470	
1/4 RND x 5.5	081073		081295	081367	081488	081670
3/8 RND x 5.5	081078		081297	081371	081489	081675
1/2 RND x 5.5	081099		081299	081374	081495	





General Purpose Stones Aluminum Oxide

AM-K



AM-K is a white aluminum oxide stone of medium hardness. It performs well on all types of mold steels. Generally, AM-K is used dry for rough forming and removal of machine marks. Lubricants should be used for finer grits.



AM-K	100	150	180	220	320	400	600
1/16 x 1/4 x 6	025980	026120	026260	026400	026680	026820	
1/16 x 1/2 x 6	025990	026130	026270	026410	026690	026830	027110
1/8 x 1/8 x 6		026140	026280	026420	026700	026840	027120
1/8 x 1/4 x 6	026010	026150	026290	026430	026710	026850	027130
1/8 x 1/2 x 6	026020	026160	026300	026440	026720	026860	027140
1/8 x 1 x 6	026030	026170	026310	026450	026730	026870	
5/32 x 5/32 x 6		026180	026320	026460	026740	026880	027160
1/4 x 1/4 x 6	026060	026200	026340	026480	026760	026900	027180
1/4 x 1/2 x 6	026070	026210	026350	026490	026770	026910	027190
1/4 x 1 x 6	026080	026220	026360	026500	026780	026920	027200
1/2 X 1/2 X 6	026090	026230	026370	026510	026790	026930	027210
1/2 X 1 X 6	026100	026240	026380	026520	026800	026940	027220
1 X 1 X 6	026110	026250		026530	026810		027230

AS-H



AS-H is similar to AM-K but slightly softer. It conforms quickly to pre-shaped surfaces. AS-H are more suitable for hand stoning and should always be used with lubricant.



AS-H	100	150	180	220	320	400	600
1/8 x 1/4 x 6			027590	027730	028010	028150	
1/8 x 1/2 x 6	027320	027460	027600	027740	028020		028440
1/4 x 1/4 x 6	027360		027640	027780	028060	028200	028480
1/4 x 1/2 x 6	027370	027510	027650	027790	028070	028210	028490

Polishing Tips

- Start your polishing with a finer grit stone rather than a coarse stone. You will save time in the long run.
- Hold the stone firmly for directional control, but press only hard enough to make the stone cut. Let the abrasive do the work.
- After each grit change, clean the work area thoroughly to remove all larger abrasive grain particles.
- When using a machine (such as a profiler or ultrasonic unit, or lapping tool) use moderate speed and pressure only. Excessive speed and pressure can cause minute stresses of metal resulting in "orange peel" or "dimpling."



General Purpose Stones Aluminum Oxide

CS



This fast cutting black silicon carbide is a soft stone designed to conform rapidly to a variety of details and is mostly used for hand polishing. It breaks down rapidly. CS stones are used on all tool steels as well as for roughing on some non-ferrous materials.

CS	150	180	220	320	400	600
1/8 x 1/4 x 6	024850		025130	025410	025550	025830
1/8 x 1/2 x 6	024860	025000	025140	025420	025560	025840
1/4 x 1/4 x 6	024900		025180	025460	025600	025880
1/4 x 1/2 x 6	024910	025050	025190	025470	025610	025890
1/4 x 1 x 6	024920		025200	025480	025620	025900
1/2 X 1/2 X 6	024930		025210	025490	025630	025910
1/2 X 1 X 6	024940			025500	025640	025920



CS-M



This premium green silicon carbide stone has superb cutting ability. CS-M has a special bond which makes it non-loading with a medium soft hardness. The sharp silicon carbide allows use of the CS-M for finishing low tensile strength materials such as aluminum, bronze, cast iron. Lubricant should be used.

CS-M	120	150	220	320	400	600
1/16 x 1/2 x 6		035205	035305	035505	035605	035805
1/8 x 1/4 x 6	035113	035213	035313	035513	035613	035813
1/8 x 1/2 x 6	035117	035217	035317	035517	035617	035817
5/32 x 5/32 x 6				035525	035625	035825
1/4 x 1/4 x 6	035129	035229	035329	035529	035629	035829
1/4 x 1/2 x 6	035133	035233	035333	035533	035633	035833
1/4 x 1 x 6		035237	035337	035537	035637	035837
3/8 x 3/8 x 6		035241	035341	035541	035641	
1/2 x 1/2 x 6		035245	035345	035545	035645	035845
1/2 x 1 x 6		035249	035349	035549	035649	035849
1 x 1 x 6		035253	035353	035553	035653	035853
"1/4 rnd x 5-1/2"			035373	035573	035673	



CS-HD

Hard premium green silicon carbide stone has superb cutting ability. Excellent for hardened steels 47-63Hrc. Harder acting and slower to break down than CS or CS-M. This polishing stone can be used to polish even the hardest die & mold steels.

CS-HD	120	150	220	320	400	600
1/16 x 1/2 x 6		036205	036305	036505	036605	036805
1/8 x 1/4 x 6	036113	036213	036313	036513	036613	036813
1/8 x 1/2 x 6	036117	036217	036317	036517	036617	036817
5/32 x 5/32 x 6			036325	036525	036625	036825
1/4 x 1/4 x 6	036129	036229	036329	036529	036629	036829
1/4 x 1/2 x 6	036133	036233	036333	036533	036633	036833
1/4 x 1 x 6		036237	036337	036537	036637	
3/8 x 3/8 x 6			036341	036541	036641	
1/2 x 1/2 x 6		036245	036345	036545	036645	036845
1/2 x 1 x 6		036249	036349	036549	036649	
1 x 1 x 6		036253	036353	036553	036653	036853





Specialty Stones Aluminum Oxide

PC



“Polisher’s Choice” is made from premium select grain & bond and a proprietary process. The “PC” is a quick contouring finishing stone designed for rapid stock removal and is an outstanding choice for metal finishes requiring a final diamond finish. This stone requires lubricant and is suited for use by hand or profiler.



PC	150	220	320	400	600
1/8 x 1/4 x 6	059230	059330	059530	059630	059730
1/8 x 1/2 x 6	059240	059340	059540	059640	059740
5/32 x 5/32 x 6	059215	059315	059515	059615	059715
1/4 x 1/4 x 6	059250	059350	059550	059650	059750
1/4 x 1/2 x 6	059260	059360	059560	059660	059760
1/4 x 1 x 6	059265	059365	059565	059665	059765

T2



Specially treated medium-hard stone cuts very fast and yet provides a silky, smooth finish. Use T-2 for high quality mold steels such as P20, H13 and 420 stainless. EXCELLENT stone for stainless steels.



T-2	150	220	320	400	600
1/16 x 1/4 x 6	036900	037096	037292	037492	037688
1/8 x 1/4 x 6	036912	037108	037304	037504	037700
1/8 x 1/2 x 6	036916	037112	037316	037508	037704
1/8 x 1 x 6	036918	037114	037318	037510	037706
5/32 x 5/32 x 6	036924	037120	037320	037516	037712
1/4 x 1/4 x 6	036928	037124	037324	037520	037716
1/4 x 1/2 x 6	036932	037128	037328	037524	037736
1/4 x 1 x 6	036936	037132	037332	037528	
1/2 x 1 x 6	036952	037148	037348	037544	037740
1 x 1 x 6	036956	037152	037352	037548	037744

T4



Specially treated medium aluminum oxide that cuts fast and leaves an excellent finish. Similar to the T-2 but breaks down faster. Engineered for use on aluminum and soft metals without scratching or tearing the surface. Use of a lubricant is recommended.



T-4	150	220	320	400	600
1/8 x 1/4 x 6	038192	038352	038432	038512	038592
1/8 x 1/2 x 6	038196	038356	038436	038516	038596
1/4 x 1/4 x 6	038208	038368	038448	038528	038608
1/4 x 1/2 x 6	038212	038372	038452	038532	038612
1/4 x 1 x 6	038216	038376	038456	038536	038616



Specialty Stones Aluminum Oxide

TH



Made from premium aluminum oxide, then specially treated to provide a load resistant, smooth cutting action. The special formulation of the "TH" allows it to hold its shape and makes it an excellent choice for EDM surfaces. Performs well on all types of tool steels.



TH	150	220	320	400	600
1/8 x 1/4 x 6	034912	034108	034304	034504	034700
1/8 x 1/2 x 6	034916	034112	034316	034508	034704
1/4 x 1/4 x 6	034928	034124	034324	034520	034716
1/4 x 1/2 x 6	034932	034128	034328	034524	034736
1/4 x 1 x 6	034936	034132	034332	034528	034738
1/2 x 1 x 6	034933	034125	034333	034536	034737
1 x 1 x 6	034937	034126	034334	034537	034740



AO



AO is a perfect all around aluminum oxide stone with excellent breakdown characteristics yet, it retains its shape well, especially when polishing mold cavity details. The AO is filled with a lubricant during the manufacturing process so it does not require pre-lubrication although the use of a lubricant is recommended.

AO	120	150	220	320	400	600
1/16 x 1/4 x 6	033101	033201	033401	033601	033701	033901
1/16 x 1/2 x 6	033105	033205	033405	033605	033705	033905
1/8 x 1/8 x 6	033109	033209	033409	033609	033709	033909
1/8 x 1/4 x 6	033113	033213	033413	033613	033713	033913
1/8 x 1/2 x 6	033117	033217	033417	033617	033717	033917
1/8 x 1 x 6	033121	033221	033421	033621	033721	
5/32 x 5/32 x 6	033125	033225	033425	033625	033725	033925
1/4 x 1/4 x 6	033129	033229	033429	033629	033729	033929
1/4 x 1/2 x 6	033133	033233	033433	033633	033733	033933
1/4 x 1 x 6	033137	033237	033437	033637	033737	033937
3/8 x 3/8 x 6	033141	033241	033441	033641	033741	
1/2 x 1/2 x 6	033145	033245	033445	033645	033745	033945
1/2 x 1 x 6	033149	033249	033449	033649	033749	033949
1 x 1 x 6	033153	033253	033453	033653	033753	033953
1/4 Tri x 6				033669	033769	
3/8 Tri x 6	033173		033473		033773	
1/2 Tri x 6	033177					
1" Tri x 6	033181					
1/4 Rnd x 5.5	033189	033289	033489	033689	033789	033989
3/8 Rnd x 5.5		033293	033493	033693	033793	033993
1/2 Rnd x 5.5			033497	033697	033797	033997



900-F	900
1/8 x 1/4 x 6	028600
1/8 x 1/2 x 6	028610
1/4 x 1/4 x 6	028630
1/4 x 1/2 x 6	028640
1/4 x 1 x 6	028650
1/2 x 1/2 x 6	028660

900-F



This stone has a super-fine structure and excellent breakdown properties for final finishing prior to diamond polish finishing. 900-F works especially well on P-20 mold steel ranging in hardness from 29-32Hrc. Primarily used for hand finishing operations and lubricant should be used.



Roughing Stones

DMS-I

Made from sharp grains of aluminum oxide held in a medium bond. Designed for large cavity and parting line work. Can also be used as a general purpose stone in smaller sizes. Use dry for best results.



DMS-I	80	120	150	180
1/4 x 1 x 8	K18080	K18120	K18150	K18180
1/2 x 1 x 8	K19080	K19120	K19150	K19180

RO-MED

RO-MED is an excellent roughout for mold contours because of its fast Breakdown.



RO-HARD

For detailing sharp corners and steps.



RO-MED	80	100	150	220
1/4 x 1 x 8	029200	029230	029260	029290
1/2 x 1 x 8	029210	029240	029270	029300
1 x 2 x 8	029220	029250	029280	029310

RO-HARD	150	220
1/4 x 1 x 8	029460	029490
1/2 x 1 x 8	029470	029500
1 x 2 x 8	029480	029510

ROUGHOUTS



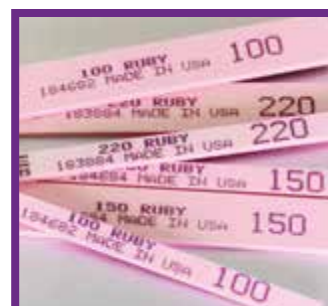
Ideal for removing cutter marks after the duplicating process. From soft to hard, the Roughout stones enable rapid, aggressive stock removal.



ROUGHOUT	80 Blue	100 White	120 Green	180 White
1/4 X 1 X 8	029516	029530	029545	029575
1/2 x 1 x 8	029519	029533	029548	029578
1 X 1 X 8	029521	029536	029551	029581
1 x 2 x 8	029524	029539	029554	029584

RUBY

Ruby stones are extremely fast cutting and perform well on all tool steels. They provide sharp cutting action for fast stock removal. The consistent breakdown allows the stone to be used dry without loading. Try the "RB" for fast stock removal on mold contours.



RUBY	80	100	150	220
1/4 X 1/4 X 6	074329	074529	074629	074829
1/4 X 1/2 X 6	074333	074533	074633	074833
1/4 x 1 x 6	074343	074543	074643	074843
1/2 x 1/2 x 6	074341	074541	074641	074841
1/2 x 1 x 6	074345	074545	074645	074845

BOAT STONES

Available in aluminum oxide and black or green silicon carbide. Made to be easily held and primarily used on large dies and sharp edges on machined parts.



Type	Available Colors	Size
Aluminum Oxide	White, Brown, Pink, Ruby, Red, Orange	9" x 2-1/2" x 1-1/2"
Silicon Carbide	Black, Green	9" x 2-1/2" x 1"



To order, specify type and color (i.e. Aluminum Oxide-White)



Detail Stones

CERAMIC SUPER STONES

The original Ceramic Stone/Super Stone is used for fine detail polishing. Made from strands of fiber disbursed in a thermoset resin. This unique stone is extremely strong and thin. Its flexibility makes this stone excellent for tight ribs, slots and EDM removal. Can be used by hand, yet works extremely well in filing, lapping & ultrasonic machines.



Size (mm)	Violet	Green (coarser)	Gold <	Light Brown	Orange	Brown (Black)	Blue	White >	Red finer)
1 x 4 x 50	669886	-	-	-	-	670587	670787	-	-
0.5 x 2 x 100	669800	669900	670100	670200	670300	670500	670700	670800	670900
0.5 x 4 x 100	669810	669910	670110	670210	670310	670510	670710	670810	670910
0.5 x 6 x 100	669830	669930	670130	670230	670330	670530	670730	670830	670930
0.8 x 4 x 100	669812	669912	670112	670212	-	670512	670712	670812	-
0.8 x 6 x 100	669832	669932	670132	670232	-	670532	670732	-	-
0.8 x 10 x 100	669852	-	670152	670252	-	670552	670252	670852	-
1 x 2 x 100	669804	669904	670104	670204	670304	670504	670704	670804	670904
1 x 4 x 100	669814	669914	670114	670214	670314	670514	670714	670814	670914
1 x 6 x 100	669834	669934	670134	670234	670334	670534	670734	670834	670934
1 x 10 x 100	669854	669954	670154	670254	670354	670554	670754	670854	670954
1.5 x 4 x 100	669816	669916	670116	670216	670316	670516	670716	-	-
1.5 x 6 x 100	669836	669936	670136	670236	670336	670536	670736	-	-
1 x 4 x 150	-	669924	670124	670224	-	-	-	-	-
2.35 x 50	-	-	-	-	670371	670571	670771	-	-
2.35 x 100	669870	-	-	-	-	670545	670745	-	-
3 x 50	669881	-	-	-	670381	670581	670781	670881	670981
3.16 x 50	669891	669991	670091	670191	670391	670591	670791	-	-
3 x 100	669851	669951	670151	670251	670351	670551	670751	670851	670951

AIR OPERATED LAPPING MACHINE

Turbine-driven "in-line" reciprocating UltraLap for very small to medium sized detail/finishing work. All three systems generate minimal noise/vibration and require little maintenance.



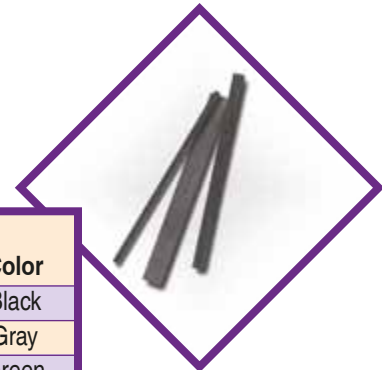
M · D · T

Catalog No.	UTR-70	UTR-30	UTR-20
Stroke length	0.7mm	0.3mm	0.2mm
Max. Speed at no load	35,000 spm	40,000 spm	50,000 spm
Air Consumption	0.05 m ₃ /min	0.05 m ₃ /min	0.05 m ₃ /min
Air Pressure Max.	90 psi	90 psi	90 psi
Dimension (mm)	24 x 180	24 x 180	24 x 180
Weight (grams)	175	175	165
Lubrication	1 to 2 drops/min each unit		



Detail Stones

CERAMIC DIAMOND STONES (Flat)



Diamond impregnated ceramic stones. Perfect for removing EDM scale when polishing steels of 45-65Hrc. The high performance is attained by the uniform impregnation of diamond particles across the length of the entire stone. May be used with profiler, ultrasonic systems or by hand.

Dimension (mm)	Part Number	Grit	Color
1 x 4 x 100	673110	#200	Black
1 x 4 x 100	673210	#400	Gray
1 x 4 x 100	673310	#600	Green
1 x 6 x 100	673120	#200	Black
1 x 6 x 100	673220	#400	Gray
1 x 6 x 100	673320	#600	Green
1 x 10 x 100	673130	#200	Black
1 x 10 x 100	673230	#400	Gray
1 x 10 x 100	673330	#600	Green

FIBER STONES Strength and Speed

The "CNB" family of stones is made from an advanced coated composite fiber. The CNB's are extremely aggressive and are fabricated to provide incredible strength and cutting action. Great for EDM removal, welds and rapid stock removal. Cuts the hardest tool steels with its very coarse and fast cutting properties. The CNB-80 has cutting action similar to an 80grit and the CNB120 has cutting action similar to a 120grit.



CNB-80

Dimension (mm)	Item No.
1.2 x 4 x 75	046903
1.2 x 6 x 75	046917
1.2 x 10 x 75	046921
1.2 x 10 x 150	046944

CNB-120

Dimension (mm)	Item No.
0.8 x 4 x 75	046959
0.8 x 6 x 75	046962
0.8 x 10 x 75	046973
0.8 x 10 x 150	046978



STONEHOLDERS



Specially designed holders for hand use and profilers. Conventional and detail polishing holder designs are available. All holders are made of material that will not damage mold & die surfaces.



Polishing Stone Holders – Handheld

Item Number	Accommodates Stone Sizes
029910	1/8 x 1/4, 1/8 x 1/2, 1/4 x 1/4
029912	1/4 x 1/4, 1/4 x 1/2
029913	3/8" round, 1/4" round
029914	1/16 x 1/4, 1/16 x 1/2
029915	Set of above four



Ceramic Stone Holders – Handheld

Item Number	Length	Accommodates Sizes
029930	5-3/4	2-4mm stick
029935	5-3/4	6mm stick
029940	5-3/4	8-10mm stick
029945	set of above three	
029925	5-1/2	3mm round



Polishing Stone Holders – Profiler

Item Number	Shank	Accommodates Sizes
029960	3/16"	1/4 stone long
029963	3/16"	1/4 stone short
029967	3/16"	1/8 stone short
029958	Large brass ring replacement	
029923	3/16"	Vice clamp
029924	1/8"	Vice clamp
029916	3/16"	1/8 x 1/4
029917	3/16"	1/8 x 1/2, 1/4 x 1/4
029918	1/8"	1/8 x 1/4
029919	1/8"	1/8 x 1/2, 1/4 x 1/4



Ceramic Stone Holders – Profiler

Item Number	Shank	
029950	1/8"	for profiler
029953	3mm	for profiler
029954	3/16"	for profiler
029955	Brass ring replacement	



Accessories



Item Number	Size
BL10-G	1 gallon

POLISHING LUBRICANT

Borilube 10 is formulated for mold polishing to clean, lubricate and prevent stone loading. Environmentally friendly and non-hazardous.



Item Number	Size
332000	20gram syringe

MOLD POLISH

Mold polish is odor and residue free, and non-corrosive. It will remove rust, oxidation, diamond polish haze, plate out and stains on fine tooling surfaces. BORIDE mold polish restores surface finishes while providing excellent high luster sheen. Mold Polish comes in a 20 gram controlled syringe allowing precise application without fear of contamination.

PNEUMATIC SHORT STROKE PROFILER

The Turbo Lap Linear offers 22,000 strokes per minute with a stroke size of .7mm or .027. The Turbo Lap Swing offers an orbital stroke of 12,000 strokes per minute with a stroke size of 3mm left to right and 1.2mm linear. Ideal for use with ceramic, ribstones or composite stones.

Kits include:
 Turbo-Lap profiler (Linear or Swing)
 Air line w/pipe thread connector
 Exhaust overhose, hex wrench
 Stoneholder, (1) blue ceramic stone



Item Number	Description
TLL-07	linear profiler
TLS-12	swing profiler

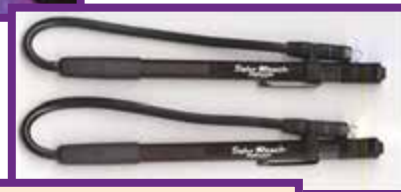


Each Turbo Lap should be used at 80 psi or at a maximum of 85 psi with clean, dry air. Lubrication is not needed.

RIBLIGHT RIB LIGHT REACH High Intensity Pen Light

Rib Light is excellent for illuminating hard to see spots like ribs and slots. Available with a Blue or white LED light.

Reach Rib Light is the same great light with a long flexible neck for illuminating those hard to reach spots. Supplied with 3 AAAA batteries.



Item Number	Description
380100	Rib Light Blue LED Light
380110	Rib Light White LED Light
380120	Reach Rib Light Blue LED Light
380130	Reach Rib Light White LED Light



Industrial Sharpening Stones



Aluminum Oxide – Square Files

All 6 pcs per box except items marked * are 2/box

Item	Part	Description
076251	SFA-C42	1/4 X 1/4 X 4
076253	SFA-C43	3/8 X 3/8 X 4
076255	SFA-C44	1/2 X 1/2 X 4
076265	SFA-C65	5/8 X 5/8 X 6
076275*	SFA-C67	1 X 1 X 6
076280	SFA-M42	1/4 X 1/4 X 4
076285	SFA-M43	3/8 X 3/8 X 4
076290	SFA-M44	1/2 X 1/2 X 4
076300	SFA-M65	5/8 X 5/8 X 6
076310*	SFA-M67	1 X 1 X 6
076315	SFA-F42	1/4 X 1/4 X 4
076320	SFA-F43	3/8 X 3/8 X 4
076325	SFA-F44	1/2 X 1/2 X 4
076335	SFA-F65	5/8 X 5/8 X 6
076345*	SFA-F67	1 X 1 X 6

Aluminum Oxide – Single Grit Bench

All 6 pcs per box except items marked * are 1/box

Item	Part	Description
076000	SBA-C42	1/4 x 1 x 4
076005	SBA-C44	1/2 x 1 x 4
076015*	SBA-C67	1 x 2 x 6
076025	SBA-M42	1/4 x 1 x 4
076030	SMA-M44	1/2 x 1 x 4
076040*	SBA-M67	1 x 2 x 6
076050	SBA-F42	1/4 x 1 x 4
076055	SBA-F44	1/2 x 1 x 4
076065*	SBA-F67	1 x 2 x 6

Aluminum Oxide – Triangle File

All 6 pcs per box

Item	Part	Description
076455	TFA-C42	1/4 X 4
076460	TFA-C43	3/8 X 4
076465	TFA-C44	1/2 X 4
076490	TFA-M42	1/4 X 4
076495	TFA-M43	3/8 X 4
076500	TFA-M44	1/2 X 4
076525	TFA-F42	1/4 X 4
076530	TFA-F43	3/8 X 4
076535	TFA-F44	1/2 X 4

Silicon Carbide – Combination Round Knife

All 1/box

Item	Description
076230	4 x 1-1/2 120/320

Used for deburring, sharpening and honing. Stones are oil pre-filled to save time and eliminate the necessity of pre-soaking prior to first use. Available in aluminum oxide or silicon carbide.

Coarse Grit (C):120 ; (M): 220; Fine(F) 320

Aluminum Oxide – Combination Bench

“All 1 pc/box; Coarse 1 side , Fine 1 side

Item	Part	Description
076210	CBA-FC45	5/8 X 5/8 X 4-1/2
076220	CBA-FC67	1 X 2 X 6
076225	CBA-FC87	1 X 2 X 8

Aluminum Oxide – Knife Blade

All 6 pc/box

Item	Part	Description
076770	KBA-C41	1/8 X 1 X 4
076775	KBA-M41	1/8 X 1 X 4
076250	KBA-F41	1/8 X 1 X 4

Aluminum Oxide – Half Round

All 6 pc/box

Item	Part	Description
076747	HFA-C43	3/8 X 4
076754	HFA-M43	3/8 X 4
076761	HFA-F43	3/8 X 4

Aluminum Oxide – Round File

All 6 pcs per box

Item	Part	Description
076665	RFA-C42	1/4 X 4
076667	RFA-C43	3/8 X 4
076669	RFA-C44	1/2 X 4
076679	RFA-M42	1/4 X 4
076681	RFA-M43	3/8 X 4
076683	RFA-M44	1/2 X 4
076693	RFA-F42	1/4 X 4
076695	RFA-F43	3/8 X 4
076697	RFA-F44	1/2 X 4

Silicon Carbide – Combination Bench

All 1/box

Item	Part	Description
076235	CBS-FC45	5/8 x 1-5/8 x 4-1/2
076245	CBS-FC67	1 x 2 x 6
076250	CBS-FC87	1 x 2 x 8

Assortment Kit

Item	Description
076999	Contains: SBAF42;CBAF45;SFAM42 TFAC42; RFAF42; KBAF41



Diamond Compounds

MOLD MAKERS DIAMOND

Used for precision finishing on all types of molds. Oil soluble with a wide thermal range. Packaged in 5 & 18 gram syringes.



Application	Grade	Micron size	Mesh	Colour	Concentration	Part No. 5 Gram	Part No. 18 Gram
Final Polish	1	0-2	14,000	White	Standard	331020	331030
Final Polish	3	2-4	8,000	Yellow	Standard	331050	331060
Final & Pre-polish	6	4-8	3,000	Orange	Standard	331080	331090
Final & Pre-polish	9	6-10	1,800	Green	Standard	331110	331120
Pre-Polish Lapping	15	9-19	1,200	Blue	Standard	331140	331150
Stock Removal	30	20-30	800	Red	Standard	331170	331180



“SUPER US” DIAMOND COMPOUND

Very high diamond concentration contains grains precisely graded and evenly distributed in a specific viscosity medium. Provides a uniform finish & luster while allowing rapid stock removal. Oil or alcohol soluble.



M · D · T

Recommendations for use	Grade	Micron size	Approx. Mesh	Color	Concentration	Part No. 5 Gram	Part No. 10 Gram
Finest finishes, optical lenses, semiconductors.	1	1/2 to 1-1/2	15,000	Ivory	Very High	DC-1VH-5	DC-1VH-10
	3	2 to 4	8,500	Yellow	Very High	DC-3VH-5	DC-3VH-10
Final finish for most molds, dies, extrusion dies.	6	4 to 7	4,000	Orange	Very High	DC-6VH-5	DC-6VH-10
	9	8 to 11	2,000	Green	Very High	DC-9VH-5	DC-9VH-10
Preliminary finish after abrasive stone finishing.	15	12 to 18	1,200	Dark Blue	Very High	DC-15VH-5	DC-15VH-10
	30	25 to 33	675	Red	Very High	DC-30VH-5	DC-30VH-10
Fast stock removal and roughing on hard materials/carbide	45	36 to 51	325	Brown	Very High	DC-45VH-5	DC-45VH-10
	60	54 to 70	235	Purple	Very High	DC-60VH-5	DC-60VH-10



Diamond Compounds Oil-Based

First Number = BORIDE Item Number Second Number = ADAMAS Item Number

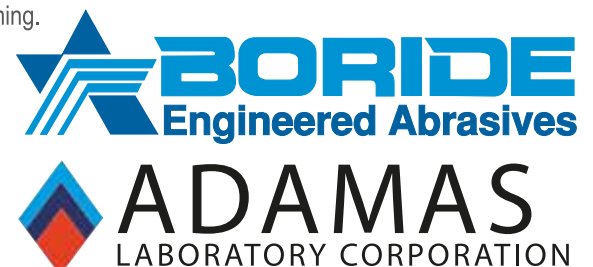
Grade	Micron	Color	5 GRAM SYRINGE				18 GRAM SYRINGE			
			Medium	Heavy	Extra Heavy	Super	Medium	Heavy	Extra Heavy	Super
100	100-150	Black	330001 100MM5	330002 100MH5	330003 100MX5	330004 100MS5	330021 100MM18	330022 100MH18	330023 100MX18	330024 100MS18
170	80-100	Dark Gray	330041 170MM5	330042 170MH5	330043 170MX5	330044 170MS5	330061 170MM18	330062 170MH18	330063 170MX18	330064 170MS18
230	54-80	Purple	330081 230MM5	330082 230MH5	330083 230MX5	330084 230MS5	330101 230MM18	330102 230MH18	330103 230MX18	330104 230MS18
45	36-54	Brown	330161 45MM5	330162 45MH5	330163 45MX5	330164 45MS5	330181 45MM18	330182 45MH18	330183 45MX18	330184 45MS18
30	22-36	Dark Red	330241 30MM5	330242 30MH5	330243 30MX5	330244 30MS5	330221 30MM18	330222 30MH18	330223 30MX18	330224 30MS18
25	20-30	Black Cherry	---	---	---	---	---	330262 25MH18	---	---
20	15-25	Light Blue	330281 20MM5	330282 20MH5	330283 20MX5	330284 20MS5	330301 20MM18	330302 20MH18	330303 20MX18	330304 20MS18
15	12-22	Dark Blue	330321 15MM5	330322 15MH5	330323 15MX5	330324 15MS5	330341 15MM18	330342 15MH18	330343 15MX18	330344 15MS18
9	8-12	Green	330401 9MM5	330402 9MH5	330403 9MX5	330404 9MS5	330421 9MM18	330422 9MH18	330423 9MX18	330424 9MS18
6	4-8	Orange	330481 6MM5	330482 6MH5	330483 6MX5	330484 6MS5	330501 6MM18	330502 6MH18	330503 6MX18	330504 6MS18
4	2-6	Pink	330521 4MM5	330522 4MH5	330523 4MX5	330524 4MS5	330541 4MM18	330542 4MH18	330543 4MX18	330544 4MS18
3	2-4	Yellow	330561 3MM5	330562 3MH5	330563 3MX5	330564 3MS5	330581 3MM18	330582 3MH18	330583 3MX18	330584 3MS18
2	1-3	Lavender	330601 2MM5	330602 2MH5	330603 2MX5	330604 2MS5	330621 2MM18	330622 2MH18	330623 2MX18	330624 2MS18
1	0-2	Ivory	330641 1MM5	330642 1MH5	330643 1MX5	330644 1MS5	330661 1MM18	330662 1MH18	330663 1MX18	330664 1MS18
1/2	0-1	Light Gray	330681 1/2MM5	330682 1/2MH5	330683 1/2MX5	330684 1/2MS5	330701 1/2MM18	330702 1/2MH18	330703 1/2MX18	330704 1/2MS18
1/4	0-1/2	Gray	330721 1/4MM5	330722 1/4MH5	330723 1/4MX5	330724 1/4MS5	330741 1/4MM18	330742 1/4MH18	330743 1/4MX18	330744 1/4MS18
1/10	0-1/4	White	330761 1/10MM5	330762 1/10MH5	330763 1/10MX5	330764 1/10MS5	330781 1/10MM18	330782 1/10MH18	330783 1/10MX18	330784 1/10MS18

Other syringe sizes or jars available upon request.

DIAMAX Thinner - Used to thin the slurry, extend the diamond compound and reduce gumming.



Description	4 oz Bottle of DIAMAX Thinner	16 oz Bottle of DIAMAX Thinner	2 oz Finger Spray Bottle (empty) - Fill with DIAMAX Thinner and use fine mist spray for perfect application
Item	336005	336010	336211





Diamond Compounds Water-Based

First Number = BORIDE Item Number Second Number = ADAMAS Item Number

Grade	Micron	Color	5 GRAM SYRINGE				18 GRAM SYRINGE			
			Medium	Heavy	Extra Heavy	Super	Medium	Heavy	Extra Heavy	Super
100	100-150	Black	330011 100WM5	330012 100WH5	330013 100WX5	330014 100WS5	330031 100WM18	330032 100WH18	330033 100WX18	330034 100WS18
170	80-100	Dark Gray	330051 170WM5	330052 170WH5	330053 170WX5	330054 170WS5	330071 170WM18	330072 170WH18	330073 170WX18	330074 170WS18
230	54-80	Purple	330091 230WM5	330092 230WH5	330093 230WX5	330094 230WS5	330111 230WM18	330112 230WH18	330113 230WX18	330114 230WS18
45	36-54	Brown	330171 45WM5	330172 45WH5	330173 45WX5	330174 45WS5	330191 45WM18	330192 45WH18	330193 45WX18	330194 45WS18
30	22-36	Dark Red	330251 30WM5	330252 30WH5	330253 30WX5	330254 30WS5	330231 30WM18	330232 30WH18	330233 30WX18	330234 30WS18
20	15-25	Light Blue	330291 20WM5	330292 20WH5	330293 20WX5	330294 20WS5	330311 20WM18	330312 20WH18	330313 20WX18	330314 20WS18
15	12-22	Dark Blue	330331 15WM5	330332 15WH5	330333 15WX5	330334 15WS5	330351 15WM18	330352 15WH18	330353 15WX18	330354 15WS18
9	8-12	Green	330411 9WM5	330412 9WH5	330413 9WX5	330414 9WS5	330431 9WM18	330432 9WH18	330433 9WX18	330434 9WS18
6	4-8	Orange	330491 6WM5	330492 6WH5	330493 6WX5	330494 6WS5	330511 6WM18	330512 6WH18	330513 6WX18	330514 6WS18
4	2-6	Pink	330531 4WM5	330532 4WH5	330533 4WX5	330534 4WS5	330551 4WM18	330552 4WH18	330553 4WX18	330554 4WS18
3	2-4	Yellow	330571 3WM5	330572 3WH5	330573 3WX5	330574 3WS5	330591 3WM18	330592 3WH18	330593 3WX18	330594 3WS18
2	1-3	Lavender	330611 2WM5	330612 2WH5	330613 2WX5	330614 2WS5	330631 2WM18	330632 2WH18	330633 2WX18	330634 2WS18
1	0-2	Ivory	330651 1WM5	330652 1WH5	330653 1WX5	330654 1WS5	330671 1WM18	330672 1WH18	330673 1WX18	330674 1WS18
1/2	0-1	Light Gray	330691 1/2WM5	330692 1/2WH5	330693 1/2WX5	330694 1/2WS5	330711 1/2WM18	330712 1/2WH18	330713 1/2WX18	330714 1/2WS18
1/4	0-1/2	Gray	330731 1/4WM5	330732 1/4WH5	330733 1/4WX5	330734 1/4WS5	330751 1/4WM18	330752 1/4WH18	330753 1/4WX18	330754 1/4WS18
1/10	0-1/4	White	330771 1/10WM5	330772 1/10WH5	330773 1/10WX5	330774 1/10WS5	330791 1/10WM18	330792 1/10WH18	330793 1/10WX18	330794 1/10WS18

Other syringe sizes or jars available upon request.

DIAMAX Thinner - Used to thin the slurry, extend the diamond compound and reduce gumming.




Description	4 oz Bottle of DIAMAX Thinner	16 oz Bottle of DIAMAX Thinner	2 oz Finger Spray Bottle (empty) - Fill with DIAMAX Thinner and use fine mist spray for perfect application
Item	336005	336010	336211





Lapping & Finishing Accessories

LUBRICATOR & THINNER FOR DIAMOND COMPOUNDS

	Catalog No. DCLT-4
When polishing with diamond compound, microscopic sized metal cuttings may cause the compound to thicken. Thinner/lubricator is formulated to prevent thickening and assures proper lubrication during polishing. Supplied in a 4 oz plastic bottle with a cap that permits dispensing in small droplets.	

HIGH SPEED MOTOR FOR FLEXIBLE SHAFT TOOLS

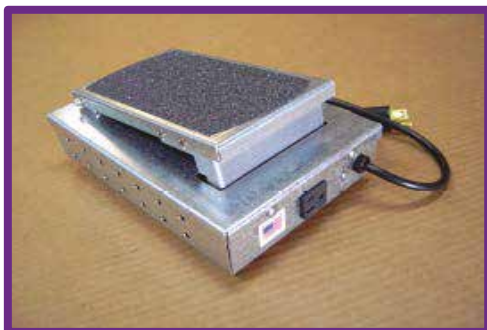


DUMORE **Series 6 Super Flex**

FEATURES:

- 0-60 Hz 1/4 HP
- 115V 3.8 AMPS
- No Load Speed 22,000 RPM
- Heavy duty hanging plate with swivel base.

PART # 6-021



SPEED CONTROL

PART # 12675



FLEXIBLE SHAFTS & SHEATHS

PART # 12675 – INNER
PART # 12626 – SHEATH



Mounted Stones

MX COTTON FIBER FINISHING WHEELS

Excellent for polishing and deburring mold runners, and can be used in aerospace, gear manufacturing, casting applications as well. Material is muslin with aluminum oxide grit and resin bonded. Lamination runs parallel to shank to prevent chipping of wheel. Available in 80, 120, 180 and 320 grits. Stocked in medium hard bond. Mounted on 1/8 shanks. To order specify Cat No. & grit (ie MX145080 for Mx145 80grit)



Cat. No.	Size
MX145	1/8 x 3/8
MX146	1/8 x 1/2
MX154	3/16 x 1/2
MX163	1/4 x 1/2
MX176	3/8 x 1/2
MX185	1/2 x 1/2

POLISHING POINTS

White Polishing Points					
WPP3P	WPP14P	WPP18P	WPP19P	WPP22P	WPP26P

Excellent for very fine finishing. 400grit aluminum oxide ceramically bonded points on 3/32 shanks.

Red Polishing Points						
WRP1A	WRP23A	WRP22A	WRP12A	WRP17A	WRP28A	WRP46A
Coarse		Medium		Fine		

General purpose -3/32 shanks. Aluminum oxide coarse grits on left to fine on right. For blending and shaping details.

Blue Polishing Points					
Size	1/8 x 1/4	.131x13/32	1/8 x 9/32	3/32x17/64	1/4 x 1/2
Cat no.	HP12	HP23	HP26	HP28	HP59

Vitrified aluminum oxide, medium hardness on 3/32 shanks

GROUP "B" SHAPES - 1/8 SHANKS

Color Blue

Designed to hold their shape. Medium hardness premium aluminum oxide. Excellent utility point.

Color Red

Medium soft aluminum oxide recommended for non-hardened low alloy steels.

Color White

General purpose medium soft aluminum oxide recommended for non-hardened low alloy steels. Will break down to avoid loading and allows sharp cutting edges to be exposed to the workpiece.

Shape No.	B44	B45	B52	B53	B55	B96
Diameter	7/32	3/16	3/8	1/4	1/8	1/8
Thickness	3/8	5/16	3/4	5/8	1/4	1/4
Max. RPM	68,000	100,000	45,000	60,000	100,000	100,000
Available in colors	Blue, Red, White	Blue, White	Blue, Red, White	Blue, Red, White	Blue, Red, White	Blue, Red, White

Shape No.	B97	B98	B105	B123	B124	B125	B135
Diameter	3/32	3/32	1/4	3/16	1/8	1/4	1/4
Thickness	3/8	1/4	1/4	3/16	1/8	1/4	1/2
Max. RPM	100,000	100,000	100,000	100,000	100,000	60,000	60,000
Available in colors	Blue, Red, White	Blue, White	Blue, Red, White	Blue, Red, White	Blue, Red, White	Blue, Red	Blue, Red



Mounted Stones

GROUP "W" SHAPES - 1/8 SHANKS

Color Blue

Designed to hold their shape. Medium hardness premium aluminum oxide. Excellent utility point.

Color Red

Medium soft aluminum oxide recommended for non-hardened low alloy steels.

Color White

General purpose medium soft aluminum oxide recommended for non-hardened low alloy steels. Will break down to avoid loading and allows sharp cutting edges to be exposed to the workpiece.

NOTE

The right stone the first time.

Abrasive type, grade (strength of bond), grain size, grain spacing, bond type are all factors to consider when ordering mounted stones. To get the best results one must arrive at the right combination. DMS mounted stones have been designed to our specifications after many years of field testing.

Shape No.	W142	W144	W145	W146	W152	W153	W154
Diameter	3/32	1/8	1/8	1/8	3/16	3/16	3/16
Thickness	1/4	1/4	3/8	1/2	1/4	3/8	1/2
Max. RPM	90,000					80,000	70,000
Available in colors	Blue, Red, White	Blue, White	Blue, Red, White	Blue, Red, White	Blue, Red, White	Blue, Red, White	Blue, Red, White

Shape No.	W160	W161	W162	W163	W170	W175	W176
Diameter	1/4	1/4	1/4	1/4	5/16	3/8	3/8
Thickness	1/4	5/16	3/8	1/2	1/2	3/8	1/2
Max. RPM	70,000	60,000			40,000		35,000
Available in colors	Blue, White	Blue, White	Blue, Red, White	Blue, Red, White	Blue, Red, White	Blue, White	Blue, Red, White

Shape No.	W181	W182	W185	W200	W215	W216	W220**
Diameter	1/2	1/2	1/2	3/4	1"	1"	1"
Thickness	1/16	1/8	1/2	1/8	1/8	1/4	1"
Max. RPM	70,000		60,000	50,000	38,000		25,000
Available in colors	Blue, White	Blue, White	Blue, White	Blue, Red, White	Blue, White	Blue, White	Blue, White

**W220 IN 1/4" SHANK ONLY

Sold as 25 to a pack, except W200 – W220

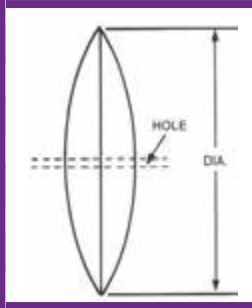
WARNING - WEAR FACE PROTECTION
GRINDING WHEELS IMPROPERLY USED ARE DANGEROUS.
Speed, safety guards, mounting procedures, operating rules, handling, storage and inspection are important.



Felt Bobs & Wheels

Knife Edge Felt Wheels

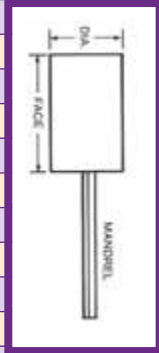
Cat. No.	Diameter	Thickness
KE1	1/2	3/16
KE2	5/8	3/16
KE3	3/4	3/16
KE4	1"	3/16
KE5	1-1/2	3/16
KE6	2"	3/16
KE7	2-1/2	3/16
KE8	3"	1/4
KE9	4"	1/4



Available in flint hard only

Mounted Felt Bobs (Cylindrical)

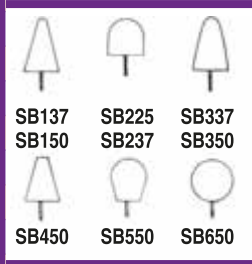
Cat. No.	Diameter	Face	Mandrel
MFB01	1/4	1/4	1/8
MFB02	1/4	3/8	1/8
MFB03	3/8	3/8	1/8
MFB04	3/8	1/2	1/8
MFB05	1/2	1/2	1/8
MFB06	1/2	3/4	1/8
MFB07	1/2	1"	1/8
MFB08	3/4	3/4	1/8
MFB09	3/4	1"	1/8
MFB11	1"	1"	1/4
MFB13	1"	1-1/2	1/4
MFB16	1-1/4	1-1/4	1/4
MFB18	1-1/2	1-1/2	1/4
MFB21	2"	2"	1/4



Available in hard only.

Shaped Felt Bobs

Cat. No.	Diameter	Face
SB137	3/8	1/2
SB150	1/2	1"
SB225	1/4	1/4
SB237	3/8	1/2
SB337	3/8	1/2
SB350	1/2	1"
SB450	1/2	3/4
SB550	1/2	3/4
SB650	1/2	1/2

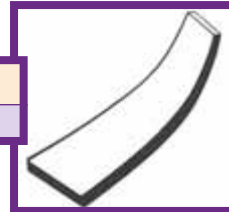


Available in hard, 1/8" shanks

Felt Pads

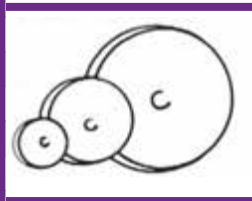
Cat. No.	Size
FP12	1/8 x 1" x 3" Long.

Ideal for touch-up work. Available in soft only



Felt Wheels

Cat. No.	Diameter	Thickness
FW05012	1/2	1/8
FW07512	3/4	1/8
FW10012	1"	1/8
FW10025	1"	1/4
FW15012	1-1/2	1/8
FW15025	1-1/2	1/4
FW20025	2"	1/4
FW20037	2"	3/8
FW20050	2"	1/2
FW30025	3"	1/4
FW30050	3"	1/2

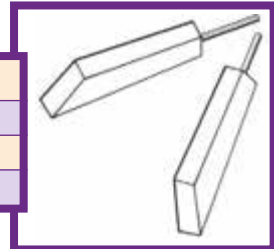


Available in hard only. With pin hole center.

Mounted Felt Laps

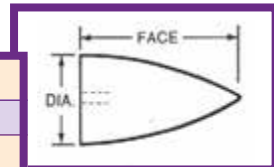
Cat. No.	Size
FL25	1/4 x 1/4 x 1-1/2
FL37	3/8 x 3/8 x 1-3/4
FL50	1/2 x 1/2 x 1-3/4

Designed for use with profilers. 45 angle cut on 1/8" shank.



Felt Cones

Cat. No.	Diameter	Face
C1	1/4	1/2
C2	3/8	3/4
C3	1/2	1"



Available in flinthard only

Felt Sheets

Handy when special shapes and sizes are required. Cut your own size & shape.

Catalog No.	Width X Length x Thickness	Density
FST12250	12" x 12" X 1/4"	S,M,H
FST12375	12" X 12" X 3/8"	S,M,H
FST12500	12" X 12" x 1/2"	S,M,H
FST12100	12" X 12" X 1"	S,M,H

* To specify Density add the appropriate Suffix to the Part Number

EX: FST12250 "H" for Hard Density



Mounted Polishing Brushes



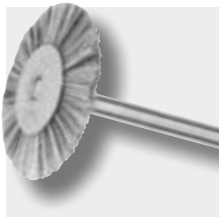
Wheel Brushes – Bristle Fill

Catalog No.	Diameter	Fill Material	Shank
26041	3/4	Stiff Hair	3/32
26059	3/4	Stiff Hair	1/8



Cup & Wheel Brushes

All cup & wheel brushes are made with a solid ring construction (except nylon) where each individual filament is wrapped around a steel ring and permanently anchored in the brush.

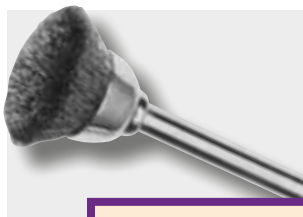


Wheel Brushes – Wire Fill

Catalog No.		Diameter	Wire Size	Shank
Steel	Brass			
26000	—	3/4	.003	1/8
26003	—	3/4	.005	1/8
26012	—	1"	.003	1/8
26015	26016	1"	.005	1/8

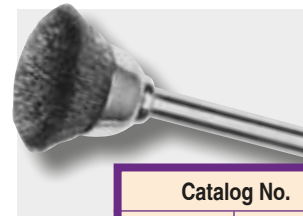
End Brushes

All end brushes (except nylon) are of one piece ferrule construction that ensures the shank and ferrule will not become separated in use. The plastic ferrule prevents scratching. Bristles are solidly looped around a metal retainer to prevent them from coming out of the ferrule during use.



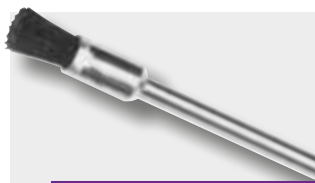
Cup Brushes – Bristle Fill

Catalog No.	Diameter	Fill Material	Shank
26091	9/16	Stiff Hair	3/32
26093	9/16	Stiff Hair	1/8
26094	9/16	Soft Hair	1/8
26095	1"	Stiff Hair	1/8
26096	1"	Soft Hair	1/8



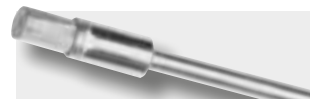
Cup Brushes – Wire Fill

Catalog No.		Diameter	Wire Size	Shank
Steel	Brass			
26071	—	9/16	.003	1/8
26074	26075	9/16	.005	1/8



End Brushes – Bristle Fill

Catalog No.	Diameter	Trim Length	Fill Material	Shank
26115	3/16	1/4	Stiff Hair	1/8
26116	3/16	1/4	Stiff Hair	3/32
26118	1/4	3/8	Soft Hair	3/32
26119	1/4	3/8	Stiff Hair	1/8
26121	5/16	9/16	Stiff Hair	1/8



End Brushes – Wire Fill

Catalog No.		Diameter	Wire Size	Trim Length	Shank
Steel	Brass				
26098	26097	3/16	.003	1/4	1/8
26107	26106	1/4	.005	7/16	1/8



End Brushes – Bristle Fill (Plastic Ferrule)

Catalog No.	Diameter	Trim Length	Fill Material	Shank
26128	3/16	1/4	Stiff Hair	1/8
26131	1/4	3/8	Stiff Hair	1/8
26133	5/16	9/16	Stiff Hair	1/8



Cut-Off Wheels & Mandrels

HIGH SPEED CUT-OFF WHEELS

Vitrified bonded for quick, efficient cutting and blending. Excellent for cutting slots, ribs and all types of tool steel. Structured to be cool cutting to minimize damage to parts being cut.

Always use approved machine guards/eye protection when cutting or grinding with cut-off wheels.

Catalog No.	Diameter	Thickness	Hole
CW10606	1"	1/16	1/16
CW20306	1-1/4	1/32	1/16
CW20606	1-1/4	1/16	1/16
CW30106	1-1/2	1/64	1/16
CW31212	1-1/2	1/8	1/8
CW40106	2"	1/64	1/16
CW40312	2"	1/32	1/8
CW40612	2"	1/16	1/8
CW40912	2"	3/32	1/8
CW41212	2"	1/8	1/8



REINFORCED T-1 CUT-OFF WHEELS

Double reinforced for maximum safety on die grinders and other high speed tools. Grade A60-TBF for smoother cut on ferrous metals.

Always use approved machine guards/eye protection when cutting or grinding with cut-off wheels.

Catalog No.	Diameter	Thickness	Hole	Max RPM
CWR2031	2"	1/32	1/4	30,550
CWR2062	2"	1/16	1/4	30,550
CWR3031	3"	1/32	1/4	25,000
CWR3062	3"	1/16	1/4	25,000

Other sizes also available upon request.



MANDRELS WITH SCREWS FOREDOM

	Cat. No.	Shank	Arbor Hole/ Capacity	Max RPM
	M1	3/32	1/16	40,000
	M10	3/32	1/16	40,000
	M12	1/8	1/8	40,000
	M13	3/32	1/16	30,000
	M14	1/8	1/8	30,000
	M8	1/8	1/4	20,000
	M15	1/8	1/16	40,000
	M19	1/8	1/16	30,000
	M2	3/32	1/8	20,000

	Cat. No.	Shank	Arbor Hole/ Capacity	Max RPM
	M6	1/8	1/16	40,000
	M20	1/8	1/8	20,000
	M3	3/32	3/32	40,000
	M9	1/8	3/32	40,000
	M7	1/8	1/8	40,000
	M83	1/8	1/8	20,000
	M84	1/4	1/8	20,000
	M85	1/4	1/4	20,000



Coated Abrasives

PSA DISCS & HOLDERS

Strong resin over resin bond construction is resistant to heat & moisture. Premium zirconium grain Egyptian cotton cloth backing. Closed coat structure. Hot melt adhesive back allows for quick change and less downtime.



PSA DISCS



Grit	Catalog Number				
	1"	2"	3"	4"	5"
40	34989	35022	35042	35062	35082
50	34990	35023	35043	35063	35083
80	34992	35025	35045	35065	35085
100	34993	35026	35046	35066	35086
120	34994	35027	35047	35067	35087
150	34995	35028	35048	35068	35088
180	34996	35029	35049	35069	35089
240	34998	35031	35051	35071	35091
320	34999	35033	35053	35073	35093

Note: other sizes available upon request.

PSA DISC HOLDERS

Size	Cat. No.
1" x 1/8 shank	11705
1" x 1/4 shank	95059
2" x 1/4 shank	95061
3" x 1/4 shank	95062
4" x 1/4 shank	95063
5" x 1/4 shank	95064



CLOTH BENCH ROLLS - DA-F HANDY ROLLS

Aluminum oxide grain on high quality DA-F material for high flexibility. Medium tensile strength. Open coat structure prevents loading. Handy dispenser roll allows for lengths to be cut as required. Egyptian cotton backing for durability.



Grit	Catalog Number		
	1"	1-1/2"	2"
50	80505	80506	80520
80	80805	80806	80820
100	81005	81006	81020
120	81205	81206	81220
150	81505	81506	81520
180	81805	81806	81820
240	82405	82406	82420
320	83205	83206	83220
400	83405	83406	83420

PSA STRIPS

Same material as PSA discs, but supplied in 1" x 11" strips. 50/pkg Aluminum oxide resin bonded cloth with PSA back. "Grits 240 thru 400 available in "Glue Bond" which allows strip to be extremely flexible.



Grit	Part No. A/O R/B	Part No. A/O G/B
50	16162	—
80	12227	—
100	12228	—
120	12229	—
150	12230	—
180	12231	—
240	12232	22208
320	12233	22209
400	16686	22210



Coated Abrasives

ALUMINUM OXIDE LAMINATED DISCS

Type 2A



- Aluminum oxide grain
- General purpose, long life
- Easy disc changes by twisting off of backing pad
- For ferrous and/or non-ferrous metals

Type 3A



- Premium aluminum oxide grain with grinding aid
- Cooling agents for cool cutting & longer life
- Fast stock removal
- Easy disc changes by twisting off of backing pad
- For ferrous & non-ferrous metals. Stainless steel, high tensile steel or titanium.



Sait-lok™

All metal attachment on disc ensures a secure fit to the backing pad.



Sait-lok-R™

Nylon screw threaded hub for easy mounting to the backing pad.

Size	Grit	Sait-Lok™ Part no.		Sait-Lok-R™ Part no.		QTY PER BOX
		2A	3A	2A	3A	
1"	36	52208	50208	—	—	100
	40	52209	50209	—	—	100
	50	52210	50210	—	—	100
	60	52211	50211	—	—	100
	80	52212	50212	—	—	100
	100	52213	50213	—	—	100
1-1/2"	120	52214	50214	—	—	100
	36	52215	50215	52264	50264	100
	40	52216	50216	52265	50265	100
	50	52217	50217	52266	50266	100
	60	52218	50218	52267	50267	100
	80	52219	50219	52268	50268	100
2"	100	52220	50220	52269	50269	100
	120	52221	50221	52270	50270	100
	36	52222	50222	52271	50271	100
	40	52223	50223	52272	50272	100
	50	52224	50224	52273	50273	100
	60	52225	50225	52274	50274	100
3"	80	52226	50226	52275	50275	100
	100	52227	50227	52276	50276	100
	120	52228	50228	52277	50277	100
	36	52229	50229	52278	50278	50
	40	52230	50230	52279	50279	50
	50	52231	50231	52280	50280	50
3"	60	52232	50232	52281	50281	50
	80	52233	50233	52282	50282	50
	100	52234	50234	52283	50283	50
	120	52235	50235	52284	50284	50



Note: See page 25 for Backing pads

Tech Info

2-ply construction is rugged enough for contoured or flat surfaces.



Coated Abrasives

ZIRCONIUM LAMINATED DISCS

Type "Z"



- Premium zirconium grain.
- Very fast stock removal.
- Easy disc changes by twisting to unlock backing pad.
- For use on stainless steel, high tensile alloys, ferrous or non-ferrous metals (such as iron, steel, welds, etc).

Type 3Z



- Premium zirconium grain with grinding aid.
- Cooling agents for cool cutting & long life.
- Very fast stock removal, no discoloration.
- Easy disc changes by twisting to unlock backing pad.
- For use on stainless steel, high tensile alloys, ferrous or non-ferrous metals.



Size	Grit	Sait-Lok™ Part no.		Sait-Lok-R™ Part no.		QTY PER BOX
		Z	3Z	Z	3Z	
1-1/2"	36	55215	56215	55264	56264	100
	40	55216	56216	55265	56265	100
	50	55217	56217	55266	56266	100
	60	55218	56218	55267	56267	100
	80	55219	56219	55268	56268	100
2"	24	55221	-	55270	-	100
	36	55222	56222	55271	56271	100
	40	55223	56223	55272	56272	100
	50	55224	56224	55273	56276	100
	60	55225	56225	55274	56274	100
	80	55226	56226	55275	56275	100
3"		55228	-	55277	-	50
	36	55229	56229	55278	56278	50
	40	55230	56230	55279	56279	50
	50	55231	56231	55280	56280	50
	60	55232	56232	55281	56281	50
	80	55233	56233	55282	56282	50

Tech Info

2-ply construction is rugged enough for contoured or flat surfaces. Quick change backings make for fast, easy disc changes and lessdown time. Universal backings fit most major backing pad brands.

BACKING PADS FOR LAMINATED DISCS

Sait-lok™

For use with Sait-Lok™ laminated discs for use with discs on page 24/25. Disc twists into metal hub in backing pad for fast/easy changes. 1/4 shanks

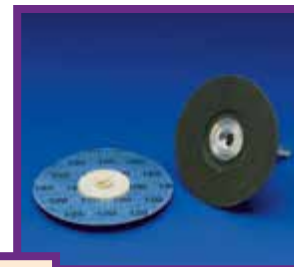


Size	Part #
1" medium	95285
1-1/2" hard	95386
1-1/2" medium	95286
2" hard	95387
2" medium	95287
3" hard	95388
3" medium	95288



Sait-lok-R™

For use with Sait-Lok-R™ laminated discs for use with discs on page 24/25. Nylon threaded hub of disc twists into backing pad for secure fit. 1/4 shanks



Size	Part #
1-1/2" medium	95171
1-1/2" hard	95271
2" medium	95172
2" hard	95272
3" medium	95173
3" hard	95273





Specialty Coated Abrasives

CARTRIDGE ROLLS – TA-X FULL TAPER

Size			Grit	Max RPM	Part No.	Use Mandrel #
Base Dia.	Length	Arbor Hole				
3/8	1"	1/8	60	26,000	38300	95105
3/8	1"	1/8	80	26,000	38301	95105
3/8	1"	1/8	120	26,000	38302	95105
3/8	1-1/2	1/8	60	26,000	38306	95104
3/8	1-1/2	1/8	80	26,000	38307	95104
3/8	1-1/2	1/8	120	26,000	38308	95104
1/2	1"	1/8	60	26,000	38312	95105
1/2	1"	1/8	80	26,000	38313	95105
1/2	1"	1/8	120	26,000	38314	95105
1/2	1-1/2	1/8	50	26,000	38318	95104
1/2	1-1/2	1/8	60	26,000	38319	95104
1/2	1-1/2	1/8	80	26,000	38320	95104
1/2	1-1/2	1/8	120	26,000	38322	95104
1/2	2"	1/8	60	26,000	38326	95103
1/2	2"	1/8	80	26,000	38327	95103
1/2	2"	1/8	120	26,000	38328	95103
5/8	2"	1/8	60	18,000	38332	95103
5/8	2"	1/8	80	18,000	38333	95103
5/8	2"	1/8	120	18,000	38334	95103
3/4	1-1/2	1/8	60	18,000	38338	95104
3/4	1-1/2	1/8	80	18,000	38339	95104
3/4	1-1/2	1/8	120	18,000	38340	95104
3/4	1-1/2	1/4	60	18,000	38344	95106
3/4	2"	3/16	80	18,000	38345	95106
3/4	2"	3/16	120	18,000	38346	95106

- Premium Aluminum Oxide Grain
- Excellent for sanding and polishing channels, fillets, recesses, side walls and bottoms of dead end holes.
- Great for high speed deburring and flash removal.
- For ferrous and non-ferrous metals, stainless and high-tensile steels.
- Packaging 100/box

Cartridge Roll Mandrels



Part #	Size
95103	1/8 x 1-1/2 x 1/4
95104	1/8 x 1 x 1/4
95105	1/8 x 3/4 x 1/4
95106	3/16 x 1-1/2 x 1/4

Tech Info
Multi-layer, self dressing construction exposes sharp, new cutting abrasive as each layer wears away.



SPIRAL BANDS – TA-X

Spiral Band Drums

Size/Shank	Max RPM	Part No.
1/2 x 1/2 x 1/4	30,000	95121
1/2 x 1 x 1/4	15,000	95122
1/2 x 1-1/2 x 1/4	12,000	95123
3/4 x 1 x 1/4	19,000	95126
3/4 x 1-1/2 x 1/4	10,000	95127
3/4 x 1-1/2 x 1/4	10,000	95127
1 x 1 x 1/4	18,000	95130
1-1/2 x 1 x 1/4	14,000	95133
1-1/2 x 1-1/2 x 1/4	10,000	95134
2 x 2 x 1/4	6,000	95137
3 x 3 x 3/8	3,000	95140

Size	Grit	Max RPM	Part No.	Qty/box
1/2 x 1/2	60	30,000	42001	100
	80	30,000	42002	100
	120	30,000	42003	100
1/2 x 1	60	15,000	42006	100
	80	15,000	42007	100
1/2 x 1	120	15,000	42008	100
	1/2 x 1-1/2	60	12,000	42011
80		12,000	42012	100
120		12,000	42013	100
3/4 x 1	36	19,000	42016	100
	60	19,000	42017	100
	80	19,000	42018	100
	120	19,000	42019	100
3/4 x 1-1/2	60	10,000	42022	100
	80	10,000	42023	100
	120	10,000	42024	100
1 x 1	36	18,000	42027	100
	60	18,000	42028	100
	80	18,000	42029	100
	120	18,000	42030	100

Size	Grit	Max RPM	Part No.	Qty/box	
1-1/2 x 1	36	14,000	42033	100	
	60	14,000	42034	100	
	80	14,000	42035	100	
	120	14,000	42036	100	
1-1/2 x 1-1/2	36	10,000	42039	100	
	60	10,000	42040	100	
	80	10,000	42041	100	
1-1/2 x 1-1/2	120	10,000	42042	100	
	2 x 2	36	6,000	42045	50
		60	6,000	42046	50
80		6,000	42047	50	
120		6,000	42048	50	
3 x 3	36	3,000	42051	50	
	60	3,000	42052	50	
	80	3,000	42053	50	
	120	3,000	42054	50	

Tech Info
Single ply of coated abrasive, spirally wound and bonded to an inner liner. Quick removal & installation. Smooth running for easy control.

- Premium Aluminum Oxide Grain
- Excellent for removing parting lines, imperfections, burrs
- Great in curved, corner, contoured and hard to reach areas
- For ferrous and non-ferrous metals, stainless and high tensile steel.




Specialty Coated Abrasives

FLAP WHEELS

- Premium Aluminum Oxide Grain 2A
- Excellent for cleaning, deburring, polishing, blending.
- For ferrous and non-ferrous metals wood, plastics or fiberglass. Packaged 5/box

Size			Part Number	
Dia.	Width	Grit	1/4" shank	1-4/-20 threaded
1"	3/4	60	70001	71000
1"	3/4	80	70002	71001
1"	3/4	120	70003	71002
1"	3/4	180	70004	71003
1"	3/4	240	70005	71004
1"	1"	60	70010	71010
1"	1"	80	70011	71011
1"	1"	120	70012	71012
1"	1"	180	70013	71013
1"	1"	240	70014	71014
1-1/2	1/2	40	70024	—
1-1/2	1/2	60	70025	71020
1-1/2	1/2	80	70026	71021
1-1/2	1/2	120	70027	71022
1-1/2	1/2	180	70028	71023
1-1/2	1/2	240	70029	71024
1-1/2	1"	60	70040	71030
1-1/2	1"	80	70041	71031
1-1/2	1"	120	70042	71032
1-1/2	1"	180	70043	71033
1-1/2	1"	240	70044	71034
2"	1"	40	70049	—
2"	1"	60	70050	71040
2"	1"	80	70051	71041
2"	1"	120	70052	71042
2"	1"	180	70053	71043
2"	1"	240	70054	71044



Size			Part Number	
Dia.	Width	Grit	1/4" shank	1-4/-20 threaded
2-1/2	1/2	60	70060	71050
2-1/2	1/2	80	70061	71051
2-1/2	1/2	120	70062	71052
2-1/2	1/2	180	70063	71053
2-1/2	1/2	240	70064	71054
2-1/2	1"	40	70069	—
2-1/2	1"	60	70070	71055
2-1/2	1"	80	70071	71056
2-1/2	1"	120	70072	71057
2-1/2	1"	180	70073	71058
2-1/2	1"	240	70074	71059
3"	1/2	60	70080	71060
3"	1/2	80	70081	71061
3"	1/2	120	70082	71062
3"	1/2	180	70083	71063
3"	1/2	240	70084	71064
3"	3/4	60	70090	71070
3"	3/4	80	70091	71071
3"	3/4	120	70092	71072
3"	3/4	180	70093	71073
3"	3/4	240	70094	71074
3"	1"	40	70099	—
3"	1"	60	70100	71080
3"	1"	80	70101	71081
3"	1"	120	70102	71082
3"	1"	180	70103	71083
3"	1"	240	70104	71084
3"	2"	40	70110	—
3"	2"	60	70111	—
3"	2"	80	70112	—
3"	2"	120	70113	—



Tech Info
Resin over resin construction for a strong bond resistant to heat and moisture. Closed coat structure for better material removal.



Sand-Light Handle - Part# 95080

NON-WOVEN ABRASIVES

Hand Pads

- Non-Woven synthetic fiber impregnated with abrasive grain for surface conditioning without damage to or removal of base material.
- Wet/dry construction for use in a wide range of applications.
- Reusable and long lasting design for economical use.
- 6" x 9" sheets. 20 per box.

Brown/Heavy Duty: Excellent for removing heavy rust and cleaning welds. For use on both ferrous & non-ferrous metals.

Maroon/General Purpose: For removal of light rust. Excellent for cleaning & brightening. Use on stainless, ferrous & non-ferrous metals.

Black/Stainless: For blending & finishing. Excellent for paint removal. Use on stainless, ferrous & non-ferrous metals.

Green/Stripper: General cleaning. Excellent for stripping paint and varnish. Use on ferrous & non-ferrous metals.

Gray/Ultra Fine: For light finishing. Excellent for sanding before or between finish coats. Use with non-ferrous metals.

White/Light Duty
For light cleaning & polishing of fiberglass, plastics & ceramics.




Color	Grade	Part No.
Brown	Heavy Duty	77440
Maroon	General Purpose	77447
Black	Stainless	77446
Green	Stripper	77496
Gray	Ultra Fine	77448
White	Light Duty	77486



STANDARD DIAMOND FILES

- All standard and long type diamond files are in medium grit size 120-150 mesh. All shanks are 1/8".
- For use on carbide, stainless steel, hardened steel, glass, ceramics and other hard materials.

Diamond Foil

Virgin diamond abrasive grains electroplated to a very thin flexible metal foil. PSA adhesive backing provides great flexibility. Simply cut foil to size and remove backing paper to affix to your holder. Using the variety of grits available, this is an inexpensive way to make fast cutting tools. No lubricant is required. Size 2" x 4" sheets

Part No.	Grit	Part No.	Grit
95000	120	95040	600
95010	150	95050	800
95020	200	95060	1200
95030	400		

Standard Diamond Files	Style	Size	Cat. No. Coated 1 Side	Cat. No. Coated Both Sides
		.078 wide x .039 thick	DLA2x1	DF-11
		.118 wide x .039 thick	DLA3x1	DF-12
		.157 wide x .039 thick	DLA4x1	DF-13
		.196 wide x .078 thick	DLA5x2	DF-14
		.157 wide x .019 thick	DLA0.5x4	—
		.157 wide x .029 thick	DLA0.75x4	—
		.157 wide x .039 thick	DLA 1 x 4	—
		0.039	DLA1	—
		0.078	DLA2	—
		0.118	DLA3	—
		0.157	DLA4	—
		.078x.078x.078	DLA-T2	—
		.118x.118x.118	DLA-T3	—
		.157x.157x.157	DLA-T4	—
		.039 Radius	DLA-R1	—
		.059 Radius	DLA-R1.5	—
		.078 Radius	DLA-R2	—
		.161 wide x .072 thick	DLAR2.5xR5	—

LONG DIAMOND FILES

Long Diamond Files	Style	Size	Cat. No. Coated 1 Side	Cat. No. Coated Both Sides
		.196 wide x .059 thick	DLE-1	DLE-11
		0.118	DLE-2	—
		.196 x .078	—	DLE-3
		.201 x .085	—	DLE-4
		.118 x .118 x .118	DLE-5	—
		.098 x .098	DLE-6	—

DIAMOND NEEDLE FILES

- Ideal for applications that require a longer reach. 5-1/2" long with 3" of diamond coating.
- Available in 3 grits. Shanks are color coded for easy identification.
Blue Shank coarse 80/120Grit
Yellow Shank medium 120/170Grit
Black Shank fine 200/240Grit

Style	CATALOG NUMBER		
	80/120G	120/170G	200/240G
	121397	121398*	121399
	121400	121401	121402
	121403	121404	121405
	121406	121407	121408
	121412	121413	121414

*Also available coated 1 side only. Part #DLH-1.



TAPERED DIAMOND FILES with "Flat" or "Round" Handles

Handy, very useful and top quality Diamond needle files that taper from .080" and .050" to .020". Available with "flat" or "round" handles, these special files permit filing slots or ribs as narrow as .020". Available in sets of 10 files, or individually in various sizes. The long 3mm round handled files have a removable plastic sleeve for use by hand or with profilers. The shorter, tapered files are designed for use with "Turbolappers" or Profilers.

M · D · T

Flat Handles



Catalog Number	Overall Length	Length of Diamond Coating	Thickness Max. x Min.	Grit Size
DFCC125-80	6-1/2"	2"	.080 x .020	80
DFC125-80	6-1/2"	2"	.080 x .020	120
DFC125-80H	6-1/2"	coated 1 side only	.080 x .020	120
DFM125-80	6-1/2"	2"	.080 x .020	240
DFF125-80	6-1/2"	2"	.080 x .020	320
DFCC165-125	6-1/2"	2"	.080 x .020	80
DFC165-125	6-1/2"	2"	.080 x .020	120
DFC165-125H	6-1/2"	coated 1 side only	.080 x .020	120
DFM165-125	6-1/2"	2"	.080 x .020	240
DFF165-125	6-1/2"	2"	.080 x .020	320
DFCC250-250	6-1/2"	2"	.080 x .020	80
DFCC250-250H	6-1/2"	coated 1 side only	.080 x .020	80
DFC250-250	6-1/2"	2"	.080 x .020	120
DFC250-250H	6-1/2"	coated 1 side only	.080 x .020	120
DFM250-250	6-1/2"	2"	.080 x .020	240
DFF250-250	6-1/2"	2"	.080 x .020	320
DFCC318-318	6-1/2"	2"	.080 x .020	80
DFCC318-318H	6-1/2"	coated 1 side only	.080 x .020	80
DFC318-318	6-1/2"	2"	.080 x .020	120
DFC318-318H	6-1/2"	coated 1 side only	.080 x .020	120
DFM318-318	6-1/2"	2"	.080 x .020	240
DFC400-400	6-1/2"	2"	.080 x .020	120
DFM400-400	6-1/2"	2"	.080 x .020	200
DFSET 10/10	Set consists of 10 files in handy plastic pouch. 2 each of DFC165-125, DFM165-125, DFM250-250. One each of DFM125-80, DFF165-125, DFM318-318, DFF318-318			

Round Handles – 5-3/16" overall length



M · D · T

Catalog Number	Handle Color	Length of Diamond Coating	Thickness Max. x Min.	Grit Size
DFC095	Green	1-3/16	.050 x .020	150
DFM095	Red	1-3/16	.050 x .020	280
DFF095	Yellow	1-3/16	.050 x .020	400
DFCC160	Black	1-3/16	.050 x .020	80
DFC160	Green	1-3/16	.050 x .020	150
DFM160	Red	1-3/16	.050 x .020	280
DFF160	Yellow	1-3/16	.050 x .020	400
DFCC240	Black	1-3/16	.050 x .020	80
DFC240	Green	1-3/16	.050 x .020	150
DFM240	Red	1-3/16	.050 x .020	280
DFF240	Yellow	1-3/16	.050 x .020	400
DFF125R	Yellow	1-3/16	.050 x .020	400
DFSET 10/10R	Set consists of: One each of DFC095, DFM095, DFF095, DFC160, DFF160, DFC240, DFM240, DFF240, DFF124R, DFM160			

Round Handles (Short) – for use with Turbolappers & Profilers (3mm shanks)

Catalog Number	Width	Overall Length	Length of Diamond Coating	Thickness Max. x Min.	Grit Size
TPDF005662	1/4" (6mm)	2-1/4	5/8	.040 x .018	200
TPDF230902	1/16" (2mm)	3-5/8	1-1/4	.040 x .018	200
TPDF430902	5/32" (4mm)	3-5/8	1-1/4	.040 x .018	200
TPDF630902	1/4" (6mm)	3-5/8	1-1/4	.040 x .018	200
TPDF0056612	1/4" (6mm)	2-1/4	5/8	.040 x .018	120
TPDF2309012	1/16" (2mm)	3-5/8	1-1/4	.040 x .018	120
TPDF4309012	5/32" (4mm)	3-5/8	1-1/4	.040 x .018	120
TPDF6309012	1/4" (6mm)	3-5/8	1-1/4	.040 x .018	120
TPDFSET 5	Set includes: 1 of TPDF2309012, 2 of TPDF4309012, 2 of TPDF6309012				

M · D · T





Diamond Products

REGULAR SHAPED DIAMOND NEEDLE FILES IN 3 GRADES

Handy, very useful and top quality Diamond needle files made of high quality "virgin" man made diamond grains. All tools are precision made and are suited for work on hardened and nitrided steel molds, dies and punches as well as carbide, glass, carbon fiber, graphite and semi precious stones.

Catalog Number			Shape & Style Number	M · D · T
120 Grit	150 Grit	Black 120 Grit		
DF1-5515	DFF1-5515	DFB1-5515	(1) Flat	
DF2-5020	DFF2-5020	DFB2-5020	(2) Halfround	
DF3-5020	-----	-----	(3) Knife	
DF4-3030	DFF4-3030	DFB4-3030	(4) Round	
DF5-4040	DFF5-4040	DFB5-4040	(5) Triangle	
DF6-3030	DFF6-3030	DFB6-3030	(6) Square	
DF7-5020	-----	-----	(7) Barrette	
DFSET12456	Set consists of 5 files in handy plastic pouch. All 120grit part nos. DF1-5515, DF2-5020, DF4-3030, DF5-4040, DF6-3030			
DFBSET12456	Set consists of 5 files in handy plastic pouch. All 120grit "black" part nos. DFB1-5515, DFB2-5020, DFB4-3030, DFB5-4040, DFB6-3030			
DFFSET12456	Set consists of 5 files in handy plastic pouch. All 150grit part nos. DFF1-5515, DFF2-5020, DFF4-3030, DFF5-4040, DFF6-3030			
DFSET1-6	Set consists of 6 files & handy stand. All 120grit part nos. DF1-5515, DF2-5020, DF3-5020, DF4-3030, DF5-4040, DF6-3030			

"EXTRA THIN" DIAMOND FILES FOR PROFILERS

These "ExtraThin" (.032") flat diamond coated files provide easy access when filing narrow slots. Used with Profilers & Lapping Machines.

Catalog No.	Grit	Overall Length	Length of Coating	Dimensions
DF85150-1	150 Grit	2-1/4	3/4 - 1 side	1/32 x 13/64
DF83150-2S	150 Grit	2"	5/8 - 2 sides	1/32 x 1/8
DF85150-2	150 Grit	2-1/4	3/4 - 2 sides	1/32 x 13/64
DF83150-2	150 Grit	2-1/4	3/4 - 2 sides	1/32 x 1/8
DF86150-2	150 Grit	2-1/4	3/4 - 2 sides	1/32 x 1/4
DF86200-2	200 Grit	2-1/4	3/4 - 2 sides	1/32 x 1/4
DF85200-2	200 Grit	2-1/4	3/4 - 2 sides	1/32 x 13/64
DF83200-2	200 Grit	2-1/4	3/4 - 2 sides	1/32 x 1/8
DF85300-2	200 Grit	2-1/4	3/4 - 2 sides	1/32 x 13/64
DF83300-2	200 Grit	2-1/4	3/4 - 2 sides	1/32 x 1/8
DF-THIN-10	Complete set of all 10 files in a plastic pouch.			

TAPERED DIAMOND FILES FOR LAPPING MACHINES



M · D · T

120 Grit	150 Grit	200 Grit	Width	Coated Length	Overall Length
DFTFL10120	DFTFL10150	DFTFL10200	3/8	2-3/8	3-1/2
DFTFL8120	DFTFL8150	DFTFL8200	5/16	2-3/8	3-1/2
DFTFL6120	DFTFL6150	DFTFL6200	1/4	1-5/8	2-3/4
DFTFL4120	DFTFL4150	DFTFL4200	5/32	1"	2-3/4

DIAMOND POINTS

M · D · T



M · D · T

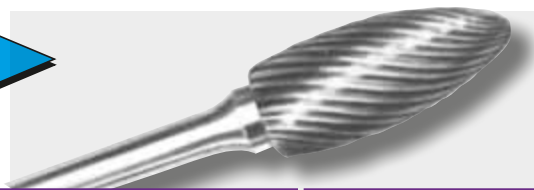
Diamond Points 1/8 Shank - 150Grit				Diamond Points 3/32 Shank-120Grit			
DP20T-18		DP10B-18		DP-13060		DP-01014	
DP30T-18		DP15B-18		DP-40020		DP-01018	
DP30V-18		DP30J-18		DP-40030		DP-01023	
DP13R-18		DP40J-18		DP-66023		DP-01029	
DP14R-18		DP50J-18		DP-68030		DP-01042	
DP15R-18		DP34S-18		DP-61040		DP-10035	
DP20P-18		DP36S-18		DP-74030		DP-10012	
DP30P-18		DP20B-18		DP-66045		DP-11016	
DP40P-18		DP30B-18		DP-52030		DP-11021	
DP50P-18		DP40F-18		DP-04050		DP-10930	
DP20SET-18	Set of all 20 diamond points in plastic case			DPW20-332	Set of 20 all 20 diamond points in wallet		



Carbide Burs

CUT SELECTION






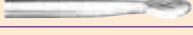
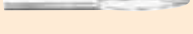




The cut or flute pattern is an important decision when using carbide burs. This is determined by the hardness of the material being removed and the finish required. Below are illustrations of the basic patterns that are available and the advantages of each.



 <p>#1 Standard Cut A general purpose pattern to be used on cast iron, steel and other ferrous metals.</p>	 <p>#4 Double Cut For use on heat treated and tough alloy steel. Produces a smaller chip and minimizes slivers in stringy material. Enables excellent control.</p>	 <p>#8 Chipbreaker Cut This pattern reduces chip size allowing an improvement in control.</p>
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Miniature Burs

1/8" Shank 1-1/2" OAL Solid Carbide "EC" denotes end cutting bur

Shape	Cat. No. Cut #1	Cat. No. Cut #4	Bur Diameter	Length of Cut	Included Angle
  <p>END CUT</p>	SA-41-1	SA-41-4	1/16	1/14	—
	SA-42-1	SA-42-4	3/32	7/16	—
	SA-43-1	SA-43-4	1/8	9/16	—
	SB-41-1	SB-41-4	1/16	1/4	—
	SB-42-1	SB-42-4	3/32	7/16	—
	SB-43-1	SB-43-4	1/8	9/16	—
	SB-ECO	—	1/8	—	—
	SC-41-1	SC-41-4	3/32	7/16	—
	SC-42-1	SC-42-4	1/8	9/16	—
	SD-41-1	SD-41-4	3/32	3/32	—
	SD-42-1	SD-42-4	1/8	1/8	—
	SE-41-1	SE-41-4	1/8	1/4	—
	SF-41-1	SF-41-4	1/8	1/4	—
	SF-42-1	SF-42-4	1/8	1/2	—
	SG-41-1	SG-41-4	1/8	1/4	—
	SG-42-1	SG-42-4	1/8	5/16	—
	SG-43-1	SG-43-4	1/8	3/8	—
	SG-44-1	SG-44-4	1/8	1/2	—
	SH-41-1	SH-41-4	1/8	1/4	—
	SL-41-1	SL-41-4	1/8	3/8	8°
	SL-42-1	SL-42-4	1/8	1/2	8°
	SM-41-1	SM-41-4	1/8	11/32	12°
	SM-42-1	SM-42-4	1/8	7/16	14°
	SM-43-1	SM-43-4	1/8	5/8	7°
	SN-41-1	SN-41-4	3/32	1/8	10°
	SN-42-1	SN-42-4	1/8	3/16	10°
	SN-41-1EC	SN-41-4EC	3/32	1/8	10°
	SN-42-1EC	SN-42-4EC	1/8	3/16	10°

Miniature Burs

— 1/8" x 3" OAL solid carbide

Shape	Cat. No. Cut #1	Cat. No. Cut #4	Bur Diameter	Length of Cut
	SA-43-1L3	SA-43-4L3	1/8	9/16
	SB-ECO-L3	—	1/8	—
	SC-42-1L3	SC-42-4L3	1/8	9/16
	SD-42-1L3	SD-42-4L3	1/8	1/8
	SF-42-1L3	SF-42-4L3	1/8	1/2

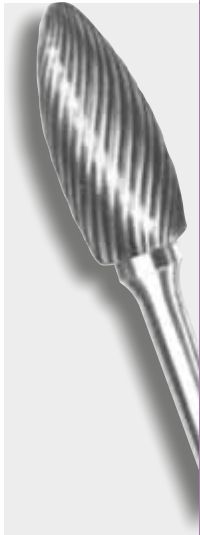


Carbide Burs

1/4" Burs

1/8" X 1-1/2" Long Steel Shank

"EC" denotes end cutting bur



Shape	Cat. No. Cut #1	Cat. No. Cut #4	Cat. No. Cut #8	Head Diameter	Length of Cut	Included Taper
	SA51-1	SA51-4	SA51-8	1/4	1/2	—
	SA51-1EC	SA51-4EC	SA51-8EC	1/4	1/2	—
	SB51-1	SB51-4	SB51-8	1/4	3/16	—
	SB51-1EC	SB51-4EC	SB51-8EC	1/4	3/16	—
	SC51-1	SC51-4	SC51-8	1/4	1/2	—
	SD51-1	SD51-4	SD51-8	1/4	1/4	—
	SE51-1	SE51-4	SE51-8	1/4	3/8	—
	SF51-1	SF51-4	SF51-8	1/4	1/2	—
	SG51-1	SG51-4	SG51-8	1/4	1/2	—
	SM51-1	SM51-4	SM51-8	1/4	1/2	22°
	SN51-1	SN51-4	SN51-8	1/4	1/4	10°
	SN51-1EC	SN51-4EC	SN51-8EC			

S.S. White Mini Carbide Dental Burs (HP)

— 3/32 Shanks (10 per pkg)

ROUND								WHEEL	INVERTED CONE				FLAT END FISSURE				ROUND END FISSURE	TAPER FISSURE			END CUTTING						
.020	.024	.032	.034	.047	.055	.063	.072	.081	.091	DISCONTINUED				DISCONTINUED				.039	.055	.063	.039	.047	.047	.063	.081	.039	957



Carbide Burs

— 3/32" Miniatures

Shape	Cat. No. Cut #1	Cat. No. Cut #4	Cut Diameter	Length of Cut
	SA-61-1	SA-61-4	1/16	1/4
	SA-63-1	SA-63-4	3/32	3/8
	SC-61-1	SC-61-4	3/32	3/8
	SD61-1	SD61-4	3/32	3/32
	SE-61-1	SE-61-4	3/32	1/8
	SF-61-1	SF-61-4	3/32	1/4
	SG-61-1	SG-61-4	3/32	1/4
	SM-61-1	SM-61-4	3/32	1/4
	SN-61-1	SN-61-4	3/32	1/8












Carbide Burs

1/4" Shank Burs

- All 1/4" cutting diameter burs are solid & 2" overall.
- All others have solid carbide heads brazed to 2" long steel shanks.

Sizes marked with (*) are available on a 6" long steel shank as well. To order add "L6" to part number (example: SA-3-4L6).

Shape	Cat. No. Cut #1	Cat. No. Cut #4	Cat. No. Cut #8	Head Diameter	Length of Cut
 Cylindrical	*SA-1-1	*SA-1-4	SA-1-8	1/4	5/8
	*SA-3-1	*SA-3-4	SA-3-8	3/8	3/4
	*SA-5-1	*SA-5-4	SA-5-8	1/2	1"
	SA-6-1	SA-6-4	SA-6-8	5/8	1"
	SA-7-1	SA-7-4	SA-7-8	3/4	1"
	SA-9-1	SA-9-4	SA-9-8	1"	1"
 End Cutting Cylindrical	SB-1-1	SB-1-4	SB-1-8	1/4	5/8
	SB-3-1	SB-3-4	SB-3-8	3/8	3/4
	SB-5-1	SB-5-4	SB-5-8	1/2	1"
	SB-6-1	SB-6-4	SB-6-8	5/8	1"
	SB-7-1	SB-7-4	SB-7-8	3/4	1"
	SB-9-1	SB-9-4	SB-9-8	1"	1"
 Cylindrical Ball Nose	*SC-1-1	*SC-1-4	SC-1-8	1/4	5/8
	*SC-3-1	*SC-3-4	SC-3-8	3/8	3/4
	*SC-5-1	*SC-5-4	SC-5-8	1/2	1"
	SC-6-1	SC-6-4	SC-6-8	5/8	1"
	SC-7-1	SC-7-4	SC-7-8	3/4	1"
 Ball Shape	*SD-1-1	*SD-1-4	SD-1-8	1/4	1/4
	*SD-3-1	*SD-3-4	SD-3-8	3/8	3/8
	*SD-5-1	*SD-5-4	SD-5-8	1/2	1/2
	SD-6-1	SD-6-4	SD-6-8	5/8	5/8
	SD-7-1	SD-7-4	SD-7-8	3/4	3/4
	SD-9-1	SD-9-4	SD-9-8	1"	1"
 Egg Shape	*SE-1-1	*SE-1-4	SE-1-8	1/4	3/8
	*SE-3-1	*SE-3-4	SE-3-8	3/8	5/8
	*SE-5-1	*SE-5-4	SE-5-8	1/2	7/8
	SE-6-1	SE-6-4	SE-6-8	5/8	1"
	SE-7-1	SE-7-4	SE-7-8	3/4	1"
 Round Nose Tree	*SF-1-1	*SF-1-4	SF-1-8	1/4	5/8
	*SF-3-1	*SF-3-4	SF-3-8	3/8	3/4
	*SF-5-1	*SF-5-4	SF-5-8	1/2	1"
	SF-6-1	SF-6-4	SF-6-8	5/8	1"
	SF-7-1	SF-7-4	SF-7-8	3/4	1"
 Pointed Tree	*SG-1-1	*SG-1-4	SG-1-8	1/4	5/8
	*SG-3-1	*SG-3-4	SG-3-8	3/8	3/4
	*SG-5-1	*SG-5-4	SG-5-8	1/2	1"
	SG-6-1	SG-6-4	SG-6-8	5/8	1"
	SG-7-1	SG-7-4	SG-7-8	3/4	1"
 Flame Shape	*SH-2-1	*SH-2-4	SH-2-8	5/16	3/4
	*SH-5-1	*SH-5-4	SH-5-8	1/2	1-1/4
	SH-6-1	SH-6-4	SH-6-8	5/8	1-7/16
	SH-7-1	SH-7-4	SH-7-8	3/4	1-5/8
 Corner Radius	*SL-1-1	*SL-1-4	SL-1-8	1/4	5/8
	*SL-3-1	*SL-3-4	SL-3-8	3/8	1-1/16
	*SL-4-1	*SL-4-4	SL-4-8	1/2	1-1/8
	SL-6-1	SL-6-4	SL-6-8	5/8	1-5/16
	SL-7-1	SL-7-4	SL-7-8	3/4	1-1/2



Carbide Burs

- All 1/4" cutting diameter burs are solid & 2" overall.
- All others have solid carbide heads brazed to 2" long steel shanks.

Aluminum Cut Carbide Burs

For cutting softer non-ferrous metals and non-metallic materials such as: aluminum, magnesium alloys, plastics, hard rubber & zinc alloy.

1/4" Shank Burs - "EC" denotes end cutting

Shape	Cat. No. Cut #1	Cat. No. Cut #4	Cat. No. Cut #8	Head Diameter	Length of Cut	Included Taper
Pointed Cone	SM-1-1	SM-1-4	SM-1-8	1/4	1/2	22
	SM-3-1	SM-3-4	SM-3-8	1/4	1"	10
	SM-4-1	SM-4-4	SM-4-8	3/8	5/8	28
	SM-5-1	SM-5-4	SM-5-8	1/2	7/8	28
	SN-1-1	SN-1-4	SN-1-8	1/4	5/16	10
Inverted Taper	SN-1-1-EC	SN-1-4-EC	SN-1-8-EC	1/4	5/16	10
	SN-4-1	SN-4-4	SN-4-8	1/2	1/2	28
	SN-4-1-EC	SN-4-4-EC	SN-4-8-EC	1/2	1/2	28

Cat. No.	Size	Shank
SA1-NF	1/4 X 3/4	1/4
SA3-NF	3/8 x 3/4	1/4
SA5-NF	1/2 x 1"	1/4
SA6-NF	5/8 x 1"	1/4
SA7-NF	3/4 x 1"	1/4
SA7-NF38	3/4 x 1"	3/8



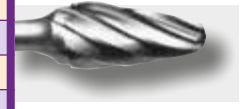
Cat. No.	Size	Shank
SE3-NF	3/8 x 3/4	1/4
SE5-NF	1/2 x 7/8	1/4
SE6-NF	5/8 x 1"	1/4
SE7-NF	3/4 x 1"	1/4
SE7-NF38	3/4 x 1"	3/8



Cat. No.	Size	Shank
SC1-NF	1/4 X 3/4	1/4
SC3-NF	3/8 x 3/4	1/4
SC5-NF	1/2 x 1"	1/4
SC7-NF	3/4 x 1"	1/4
SC7-NF38	3/4 x 1"	3/8



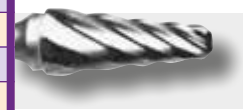
Cat. No.	Size	Shank
SF1-NF	1/4 X 3/4	1/4
SF3-NF	3/8 x 3/4	1/4
SF5-NF	1/2 x 1"	1/4
SF6-NF	5/8 x 1"	1/4
SF7-NF	3/4 x 1-1/4	1/4
SF7-NF38	3/4 x 1-1/4	3/8



Cat. No.	Size	Shank
SD1-NF	1/4	1/4
SD3-NF	3/8	1/4
SD5-NF	1/2	1/4
SD6-NF	5/8	1/4
SD7-NF	3/4	1/4
SD7-NF38	3/4	3/8



Cat. No.	Size	Shank
SL3-NF	3/8 x 1-1/16	1/4
SL4-NF	1/2 x 1-1/8	1/4
SL6-NF	5/8 x 1-5/16	1/4
SL7-NF	3/4 x 1-1/2	1/4
SL7-NF38	3/4 x 1-1/2	3/8



CARBIDE BLANKS Fractional Blanks

- Ground from solid carbide

Cat. No.	Diameter	Length
DB12150	1/8	1-1/2
DB12225	1/8	2-1/4
DB18200	3/16	2"
DB18275	3/16	2-3/4
DB18400	3/16	4"
DB25200	1/4	2"
DB25325	1/4	3-1/4
DB31200	5/16	2"
DB37250	3/8	2-1/2
DB50300	1/2	3"

Tolerance: +.0000 -.0005

CARBIDE BLANKS Etching, Engraving Blanks

- Ground from solid carbide

Catalog Number		Dimensions		
Single End	Double End	Diameter	OAL	Length of Flat
EB06SE	EB06DE	1/16	1-1/2	1/4
EB09SE	EB09DE	3/32	1-1/2	1/4
EB12SE	EB12DE	1/8	1-1/2	1/4
EB18SE	EB18DE	3/16	2"	3/8
EB25SE	EB25DE	1/4	2"	3/8
EB31SE	EB31DE	5/16	2"	1/2
EB37SE	EB37DE	3/8	2-1/2	1/2
EB50SE	EB50DE	1/2	2-1/2	1/2

Tolerance on flat: +.001 -.000



Steel Files

STEEL FILES DIPROFIL



















For use with profiling machines. Available in cuts #00(coarse) & #1 (medium) with 1/8" Shanks

	Style	Cat. No. Cut #00	Cat. No. Cut #1
		STL-1-00	STL-1-01
		STL-2-00	STL-2-01
		STL-3-00	STL-3-01
		STL-4-00	STL-4-01
		STL-5-00	STL-5-01
		STL-6-00	STL-6-01
		STL-101-00	STL-101-01

NEEDLE FILES

With round handles. 6-1/4" available in cuts 0 & 2.



Style		Cat. No. Cut #0	Cat. No. Cut #2	
Equalling		24010	24012	
Half-round		24020	24022	
Crossing		24030	24032	
Knife		24050	24052	
Warding		24060	24062	
Three-Square		24070	24072	
Square		24080	24082	
Round		24100	24102	
Crochet		24150	24152	



Steel Files

DIEMAKERS' & SILVERSMITHS' FILES

7" overall, available in cuts 0 & 2.



					Cat. No. Cut #0	Cat. No. Cut #2
		701			7010	7012
		711			7110	7112
		712			7120	7122
		713			7130	7132
		731			7310	7312
		732			7320	7322
		741			7410	7412
		750			7500	7502
		781			7810	7812

DIESINKERS' REGULAR RIFFLE FILES

Cat. No.
Cut #0

Cat. No.
Cut #2

7" overall, available in cuts 0 & 2.



Cat. No.
Cut #0

Cat. No.
Cut #2

		900			9000	9002
		901			9010	9012
		905			9050	9052
		911			9110	9112
		912			9120	9122
		913			9130	9132
		914			9140	9140
		915			9150	9152
		918			9180	9182
		930			9300	9302
		931			9310	9312
		941			9410	9412
		942			9420	9422
		950			9500	9502
		951			9510	9512
		952			9520	9522
		956			9560	9562
		958			9580	9582
		965			9650	9652
		981			9810	9812
		983			9830	9832
		984			9840	9842
		985			9850	9852
		986			9860	9862
		987			9870	9872
		988			9880	9882



Stone Selection Suggestions

TYPE OF STONE		SURFACE	SURFACE					METHOD	METHOD			USE	USE		BREAKDOWN	HARDNESS	
			Tool Steel	Aluminum	Non-Ferrous	Stainless	EDM		Hand	Profiler	Ultrasonic		Wet	Dry		0=slow/5=fast	0=soft/5=hard
EDM Polishing Stones	AM-8		●			●	●	●	●	●	●			2		4	
	AS-9		●			●	●	●	●	●	●	●	●	3		3	
	Orange EDM		●			●	●	●	●	●	●	●	●	3		3	
	GOLD		●			●	●	●	●	●	●	●	●	3		3	
General Purpose Stones	AM-2		●	●	●	●		●	●		●	●		4		2	
	Die Stone		●			●		●	●		●	●		3		3	
	AM-K		●	●				●	●		●	●		3		3	
	AS-H		●	●	●	●		●	●		●	●		4		2	
	CS		●		●			●			●	●		5		2	
	CS-M		●	●	●			●	●		●	●		4		2	
	CS-HD		●			●	●	●	●		●	●		3		3	
Specialty Stones	RASP		●	●	●	●		●	●		●	●		4		2	
	PC		●	●	●	●		●	●		●			4		3	
	T2		●			●	●	●	●		●			2		4	
	T4		●	●	●	●		●	●		●			4		3	
	TH		●				●	●	●		●			3		3	
	AO		●				●	●	●		●			3		3	
	900-F		●					●			●			5		0	
Detail Stones	Ceramics	Detail Areas, Ribs & Slots										●	●				
	CNB- 80 & 120	Agressive - Fast Cutting / Welds-Blending EDM										●	●				
	CRISTONE®	Extremely Strong and Thin - Fine Detail Polishing										●	●				

Popular Stone Shapes

inches (mm)

