

Diamond Tool Technical Support: 1-800-897-9235

Diamond Blade Info

Questions to Ask When Choosing a Diamond Blade:

- **What is the material?**
Brick, Block, Combination of Brick and Block, Green or Cured Concrete, Asphalt?
- **What is the cutting method?** Wet or Dry?
- **What kind of equipment is being used?**
High speed hand held saw, masonry table type saw, walk behind saw, or hand held power tool?
- **How deep is the cut?** Use the proper blade diameter for the depth required (remember, a 5 in. cut requires a 14 in. blade).
- **How big is the job?** Higher quality blades are more economical to use.

Economy Diamond Blades



FMP 100

Value priced for general purpose use on medium concrete with light steel reinforcement



Part No.	Description	Price /Ea
0800721	14" x .125" x 1 DP-20mm	\$82.80

Multi-Purpose Diamond Blades

These quality diamond blades come in two hardness ranges. The FMP 1000 for harder materials and the FMP 3000 for softer, more abrasive materials. Both blade specifications can be used on high-speed saws, masonry saws, and low horsepower walk behind saws.

FMP 1000 Wet/Dry Cutting General Purpose

General purpose for general cutting of concrete, masonry and stone.



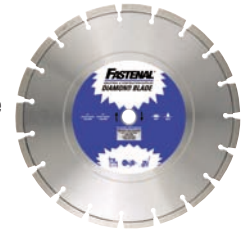
Part No.	Description	Price /Each
0203662	12" x .125" x 1 DP-20mm*	\$114.85
0203663	14" x .125" x 1 DP-20mm* * 1" with knockout bushing	132.05

FMP 3000 Wet/Dry Cutting General Purpose

For green concrete and block.

Part No.	Description	Price /Each
0203660	12" x .125" x 1 DP-20mm	\$120.54
0203661	14" x .125" x 1 DP-20mm 1" with knockout bushing	134.99

FHS 1000 - Premium Dry Cutting General Purpose



Part No.	Description	Price /Each
59485	12" x .110" x 1 DP-20mm	\$162.86
59486	14" x .110" x 1 DP-20mm	207.80

FHS 2000 - Super Premium Dry Cutting General Purpose

Super premium, dry cutting, diamond blade for faster cutting and extended life on concrete, masonry and stone materials.



Part No.	Description	Price /Each
59487	12" x .110" x 1 DP-20mm	\$258.18
59488	14" x .110" x 1 DP-20mm	303.63

Get the RIGHT TOOLS for the job!

Diamond blades and core bits from Diamond Vantage®

When it comes to the toughest cutting and drilling applications, more and more professional contractors are turning to **Diamond Vantage®** for the right tools. Longer blade life, faster cutting and unparalleled service are just a few reasons why they've learned to **Expect the Best™** from Diamond Vantage.

ZZ-Turbo Segments
Alternately slanted cutting surfaces penetrate fast and prevent the bit from wandering when drilling is started.

AllCut Rescue Blade
Designed to cut virtually anything! Side abrasion is excellent for removing burrs resulting from the initial cut.

Multi Purpose Blades
A full line of diamond blades for all cutting applications.

EXPECT THE BEST!



DIAMOND BLADES

Multi-Purpose Diamond Blades *Cont.*



Diamond Blades

FSD 1000 - Premium Dry Cutting Small Diameter - Segmented

General purpose, small diameter diamond blades for fast cutting and long life on a wide variety of materials including concrete, masonry, brick, block, tile and stone. (For 20HP and greater concrete saws. Must be used wet..)



Part No.	Description	Price /Each
0202881	4" x .080" x 5/8	\$23.89
59481	4" x .080" x 7/8-20mm-5/8B	31.26
0202350	4-1/2" x .080" x 7/8-20mm-5/8B	36.26
59482	7" x .080" x DM-7/8-5/8B	53.88

FSD 2000 - Super Premium Dry Cutting Small Diameter - Segmented

Super premium, general purpose, small diameter diamond blade for fast cutting and long life on a wide variety of materials including concrete, masonry, brick, block, tile and stone.



Part No.	Description	Price /Each
59483	4" x .080" x 7/8-20mm-5/8B	\$40.08
0202351	4-1/2" x .080" x 7/8-20mm-5/8B	46.86
59484	7" x .080" x DM-7/8-5/8B	66.96



FAD 4000 Dry Cutting - Asphalt

Part No.	Description	Price /Each
59494	12" x .125" x 1 DP-20mm*	\$134.76
59495	14" x .125" x 1 DP-20mm*	155.42

FST 1000 - Dry Cutting Continuous Rim Turbo Blade



Part No.	Description	Price /Each
0204093	4" x .080 small dia.	\$28.70
0204094	4.5" x .080 small dia.	35.98
0204095	7" x .080 small dia.	51.60

FCT 1000 - Dry Cutting General Purpose/Hard Material



Part No.	Description	Price /Each
0202340	12" x 110" x 1 dp-20mm	\$200.16
0202341	14" x .125" x 1 dp-20mm	261.25

FCW 1000 Wet Cutting Cured Concrete

For fast, free cutting of cured concrete, specially designed for cutting hard to extremely hard aggregates with light to medium steel reinforcing.



Part No.	Description	Price /Each
59489	14" x .110" x 1 DP	\$297.28

FCW 2000 Wet Cutting Cured Concrete

For general purpose cutting of a wide range of cured concrete with soft to medium aggregates and light steel reinforcing.

Part No.	Description	Price /Each
59490	14" x .110" x 1 dp-20mm	\$297.28

FCW 3000 Wet Cutting Green Concrete

For general purpose cutting of green concrete, with a wide range of aggregates, also for cutting asphalt over concrete, or asphalt with hard aggregate.

Part No.	Description	Price /Each
59491	14" x .110" x 1 dp-20mm	\$297.28

FMD 1000 Wet/Dry Cutting General Purpose - Brick (some block)

Part No.	Description	Price /Each
59492	14" x .110 x 1 DP	\$194.06

FMD 3000 Wet/Dry Cutting General Purpose - Block (some brick)

Part No.	Description	Price /Each
59493	14" x .110" x 1 dp-20mm	\$194.06

ALLCUT RESCUE BLADE

The ALLCUT RESCUE BLADE tackles the most demanding emergency sawing jobs by cutting virtually all materials. Use this blade when quick action is important.

Cuts virtually anything, Including:

- Concrete
- Masonry
- Steel
- Wood
- Stucco
- Ductile Iron
- PVC Pipe
- Cast Iron
- Stone & Brick
- Rebar
- **Not for use on aluminum**



Part No.	Description	Price /Each
0800722	14" x .125" x 1 DP-20mm	\$289.95



Chop Saws Available on Page 5-47

Professional Grade Diamond Blades



Professional Grade Diamond Blades

Premium diamond blades with a full range of specifications for virtually any flat sawing application. Available for cured concrete, cured concrete with hard aggregates, green concrete, asphalt or asphalt over concrete.

Part No.	Description	Specification	Application	Price /Each
0202316	12" x .125" x 1dp-20mm	Wet	Cured Concrete	\$287.44
0202317	12" x .125" x 1dp-20mm	Wet	Green Concrete	287.44
0202318	12" x .375" x 1dp-20mm	Wet	Green Concrete	785.76
0202319	14" x .125" x 1dp-20mm	Wet	Hard Cured Concrete	356.82
0202320	14" x .110" x 1dp-20mm	Wet	Cured Concrete	319.55
0202321	14" x .110" x 1dp-20mm	Wet	Cured Concrete	319.55
0202322	14" x .110" x 1dp-20mm	Wet	Green Concrete	319.55
0202323	14" x .110" x 1dp-20mm	Wet	Asphalt	319.55
0202324	14" x .110" x 1dp-20mm	Wet	Hard Cured Concrete	319.55
0202325	14" x .124" x 1dp-20mm	Wet	Cured Concrete	356.82
0202326	14" x .125" x 1dp-20mm	Wet	Cured Concrete	356.82
0202327	14" x .125" x 1dp-20mm	Wet	Green Concrete	356.82
0202328	14" x .125" x 1dp-20mm	Wet	Asphalt	356.82
0202329	18" x .125" x 1dp	Wet	Hard Cured Concrete	473.94
0202330	18" x .125" x 1dp	Wet	Cured Concrete	473.94
0202331	18" x .125" x 1dp	Wet	Cured Concrete	473.94
0202332	18" x .125" x 1dp	Wet	Green Concrete	473.94
0202333	24" x .155" x 1dp	Wet	Cured Concrete	797.90
0202334	24" x .175" x 1dp	Wet	Cured Concrete	913.78
0202335	26" x .155" x 1dp	Wet	Cured Concrete	1356.24
0202336	26" x .155" x 1dp	Wet	Green Concrete	1356.24
0202337	30" x .175" x 1dp	Wet	Cured Concrete	1685.61
0202338	30" x .175" x 1dp	Wet	Green Concrete	1685.61
0202339	36" x .175" x 1dp	Wet	Cured Concrete	2058.00

Diamond Masonry Blades



Diamond Masonry Blades

Premium diamond blades for wet or dry cutting of specific materials for professional masonry work.

Part No.	Description	Specification	Application	Price /Each
0202342	14" x .110" x 1dp-20mm	Wet/Dry	Hard Brick	\$292.34
0202343	14" x .110" x 1dp-20mm	Wet/Dry	Brick/Block	292.34
0202344	14" x .110" x 1dp-20mm	Wet/Dry	Block	292.34
0202345	14" x .110" x 1dp-20mm	Wet/Dry	Soft Block	292.34
0202346	20" x .125" x 1dp	Wet/Dry	Block	539.93
0202347	20" x .125" x 1dp	Wet/Dry	Soft Block	539.93

FMS4000, FMS6000, FMS10000 Dry/Wet Cutting Silent Masonry Blade

Super premium diamond blades with an exclusive silent core for cutting brick, combination brick and block and block where noise abatement is necessary.



Part No.	Specification	Description	Application	Price /Each
0204882	Wet/Dry	14" x .125" x 1dp-20mm	Brick	\$456.63
0204883	Wet/Dry	14" x .125" x 1dp-20mm	Brick/Block	392.76
0204884	Wet/Dry	20" x .140" x 1dp-20mm	Block	669.03

FTB2000 Wet Cutting Tile Saw Blade

Premium wet cutting diamond blades for cutting a wide range of ceramic tile, marble and granite. Typically used on table type tile saws.



Part No.	Description	Price /Each
0202357	8" x .065" x 5/8"	\$61.14
0202358	10" x .065" x 5/8"	75.92

Diamond Tuck Point Blades



FTP1000 Dry Cutting Small Diameter

Quality dry cutting diamond blade mortar removal (tuck pointing), in brick or block mortar joints.

Part No.	Description	Price /Each
0204067	4-1/2" x .250" x7/8-20mm -5/8B	\$58.67
0204068	4" x .250" x7/8-20mm -5/8B	54.89

FTPB2000 Dry Cutting Small Diameter

Quality dry cutting diamond blade with bevel segments for mortar removal (tuck pointing) in brick or block mortar joints.



Part No.	Description	Price /Each
0204066	4" x .375" x7/8 -5/8B	\$126.37

Diamond Cup Wheels



Premium dry cutting diamond cup wheel with single row segments for grinding a wide range of concrete and masonry materials.



Part No.	Description	Price /Each
59449	4" x 7/8" - 20mm-5/8"B	\$59.25
59450	4" x 5/8" - 11"	59.25
59451	7" x 7/8" - 20mm-5/8"B	99.95
59452	7" x5/8" - 11"	99.95

DIAMOND BLADES, DIAMOND CUP WHEELS

Diamond Cup Wheels



FGW2000

Premium dry cutting diamond cup wheel with double row segments for grinding a wide range of concrete and masonry materials.



Part No.	Description	Price /Each
59453	4" x 7/8"-20mm	\$93.45
59454	4" x 5/8"-11"	93.45
59455	7" x 7/8"-20mm	158.97
59456	7" x 5/8"-11"	158.97

Diamond Core Bits



FCB 4000 Wet Cutting

Premium general purpose wet cutting core bit for drilling a wide range of concrete and masonry materials. Typically used on anchored core drilling rigs.



Part No.	Description	Price /Each
59409	3/4 x 14 x 1-1/4-7	\$106.90
59410	7/8 x 14 x 1-1/4-7	110.63
59411	1 x 14 x 1-1/4-7	118.53
59412	1-1/8 x 14 x 1-1/4-7	121.10
59413	1-1/4 x 14 x 1-1/4-7	131.70
59414	1-1/2 x 14 x 1-1/4-7	136.97
59415	1-3/4 x 14 x 1-1/4-7	139.59
59416	2 x 14 x 1-1/4-7	144.86
59417	2-1/2 x 14 x 1-1/4-7	150.12
59418	3 x 14 x 1-1/4-7	167.39
59419	3-1/2 x 14 x 1-1/4-7	188.46
59420	4 x 14 x 1-1/4-7	220.85
59421	4-1/4 x 14 x 1-1/4-7	233.09
59422	4-1/2 x 14 x 1-1/4-7	244.02
59423	5 x 14 x 1-1/4-7	259.82
59424	6 x 14 x 1-1/4-7	306.98
59425	7 x 14 x 1-1/4-7	401.79
59426	8 x 14 x 1-1/4-7	457.10
59427	10 x 14 x 1-1/4-7	566.27
59428	12 x 14 x 1-1/4-7	640.00
59429	14 x 14 x 1-1/4-7	1356.38

Prestressed Core Bits are available by request

FCB 8000 Wet Cutting

Super premium general purpose wet cutting core bit for drilling an extremely wide range of concrete, masonry, and extremely hard materials. This bit incorporates a unique spiral design to help remove cuttings to extend bit life and improve speed, typically used on anchored core drilling rigs.



Part No.	Description	Price /Each
59430	1" x 14"	\$121.26
59431	1-1/8" x 14"	126.78
59432	1-1/4" x 14"	132.29
59433	1-1/2" x 14"	137.80
59434	1-3/4" x 14"	146.07
59435	2" x 14"	151.58
59436	2-1/2" x 14"	192.93
59437	3" x 14"	220.49
59438	3-1/2" x 14"	234.28
59439	4" x 14"	264.59
59440	4-1/4 x 14 x 1-1/4-7	300.42
59441	4-1/2" x 14"	327.98
59442	5" x 14"	339.01
59443	6" x 14"	383.11
59444	7 x 14 x 1-1/4-7	520.92
59445	8" x 14"	653.22
59446	10" x 14"	895.77
59447	12" x 14"	1143.83
59448	14 x 14 x 1-1/4-7	1582.08

Prestressed Core Bits available by request

FDB 1000 Dry Cutting


Premium dry cutting diamond core bits for use on brick and lightweight concrete block. Use these bits on core drilling rigs, hand held drills or low speed grinders with 5/8"-11 thread.




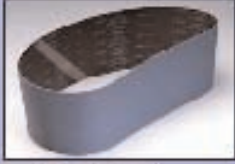
Part No.	Description	Price /Each
59457	1" x 10"	\$96.64
59458	1-1/4" x 10"	111.21
59459	1-1/2" x 10"	115.86
59460	1-3/4" x 10"	127.14
59461	2" x 10"	139.87
59462	2-1/2" x 10"	165.32
59463	3" x 10"	193.32
59464	3-1/2" x 10"	217.07
59465	4" x 10"	235.41
59466	4-1/2 x 10 x 5/8-11	274.77
59467	5" x 10"	300.22
59468	6" x 10"	368.95



Prestressed Core Bits available by request

Speed WARNING: 800 RPM or less



Any size
belt shipped
next day!

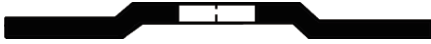
sia Abrasives -
manufacturers of
high quality Swiss
abrasives for
over 130 years!

DEPRESSED CENTER WHEELS FOR CUTTING/NOTCHING

Depressed Center Wheels for Cutting/Notching

Fastenal offers a wide range of type 27 grinding and cutting wheels for use in a variety of metal and masonry applications

Fastenal is proud to carry such brands as Blackstone, Metabo, Norton and SAIT.



Type 27 Grinding and Cutting Wheel



Blackstone



Norton



Metabo



Sait

.045" & 1/16" Metal/Steel/Stainless - Cutting - Type 27



Size	Blackstone		SAIT .045 A60S		Norton Gemini		SAIT Saitech .045		SAIT Z-Tech H.P.	
	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
4" x .045" x 5/8"	0803444	\$0.78	0203125	\$2.58			0203129	\$2.89		
4-1/2" x .045" x 7/8"	0803445	0.99	0203126	3.43	0822601	\$2.62	0203130	3.27	0834979	\$2.58
5" x .045" x 7/8"	0803446	1.05	0203132	4.22	0822612	4.24	0203131	3.72	0834980	3.10
6" x .045" x 7/8"	0803447	1.91	0204087	4.49	0822617	5.11	0203132	4.14	0834981	3.36
7" x 1/16" x 7/8"						0822618	5.11			
9" x 1/16" x 5/8"-11						0826662	8.99			
9" x 1/16" x 7/8"						0824769	8.94			

3/32" Metal/Steel/Stainless - Cutting/Pipe - Type 27



Size	Metabo A30 /A36R		SAIT A24R Long Life		Norton Gemini Stainless		SAIT Saitech U.P.	
	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
4" x 3/32" x 5/8"	0212825	\$2.26			0824733	\$3.02		
4-1/2" x 3/32" x 5/8"-11					0824747	3.91	59183	\$9.70
4-1/2" x 3/32" x 7/8"	0212858	2.81	59006	\$2.46	0824748	2.66	59182	7.63
5" x 3/32" x 5/8"-11					0824749	5.15	59185	12.18
5" x 3/32" x 7/8"	0212829	3.55			0824750	3.89	59184	9.90
7" x 3/32" x 5/8"-11					0824765	5.85	59187	15.94
7" x 3/32" x 7/8"					0824766	4.75	59186	13.10
9" x 3/32" x 5/8"-11							59189	19.35
9" x 3/32" x 7/8"							59188	15.89

1/8" Metal/Steel - Cutting - Type 27



Size	Norton Metal		Metabo A24T		Metabo A30S /A36R		SAIT A24R Long Life		Norton Gemini	
	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
4" x 1/8" x 3/8"										
4" x 1/8" x 5/8"	0826663	\$1.94								
4-1/2" x 1/8" x 5/8"-11	0826664	2.85	0211816	\$3.66					0822604	\$3.61
4-1/2" x 1/8" x 7/8"	0826665	1.94	0212816	2.43					0822605	2.15
5" x 1/8" x 5/8"-11	0826666	3.59								
5" x 1/8" x 7/8"	0826667	2.67							0822614	3.45
6" x 1/8" x 7/8"					0212831	\$4.01				
7" x 1/8" x 5/8"-11	0826668	5.18	0211817	5.91	0212822	6.31			0822619	6.02
7" x 1/8" x 7/8"	0826669	4.00	0212817	4.28	0212821	4.22			0822620	4.33
9" x 1/8" x 5/8"-11	0826670	7.49	0211818	7.32	0211824	6.70			0822626	8.10
9" x 1/8" x 7/8"			0212818	5.63	0212823	5.58			0822627	6.93

1/8" Metal/Steel - Cutting/Notching/Light Grinding - Type 27



Size	SAIT Pipeline		Norton Gemini		Metabo ZA24T	
	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
3" x 1/8" x 3/8"			0822598	\$2.58		
4" x 1/8" x 3/8"	59126	\$3.53	58126	2.96		
4" x 1/8" x 5/8"	59127	3.13	58127	3.60		
4-1/2" x 1/8" x 5/8"-11	0203159	3.87	0822602	3.45	0202139	\$7.31
4-1/2" x 1/8" x 7/8"	0203158	2.35	0822603	2.10	0202163	8.16
5" x 1/8" x 7/8"	0203160	3.90	0822613	3.31		
6" x 1/8" x 7/8"			0824746	4.63		
7" x 1/8" x 5/8"-11	59131	6.99			0202181	14.18
7" x 1/8" x 7/8"	020162	5.99	0822621	4.33	0202179	9.17
9" x 1/8" x 5/8"-11	59135	8.59	58135	7.47		

*Refer to Manufacturers recommendations for maxim RPM

DEPRESSED CENTER WHEELS

Depressed Center Wheels Cont. 1/4" Metal/Steel - Grinding - Type 27

Depressed Center Grinding and Cutting

Size	Norton Metal		Norton Gemini		Blackstone Fast Grind		metabo A24N Fast Grinding		Blackstone Long Life	
	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
3" x 1/4" x 3/8"			0822599	\$2.93						
4" x 1/4" x 3/8"			0822600	2.66	0801856	\$1.09				
4" x 1/4" x 5/8"	0822675	\$6.60	58102	2.96	0803432	1.09	0212868	\$2.40	0803433	\$1.09
4-1/2" x 1/4" x 5/8"-11	0822676	5.69	0822607	3.78	0825432	4.22	0211864	3.66	0825433	4.22
4-1/2" x 1/4" x 7/8"	0822677	6.92	59106	2.86	0825430	1.84	0212857	2.54	0825431	1.84
5" x 1/4" x 5/8"-11	0822678	5.96			0803436	3.40	0211865	5.19	0803437	3.40
5" x 1/4" x 7/8"			0822616	3.37	0803435	1.63	0212861	3.83	0803434	1.63
6" x 1/4" x 7/8"							0212848	4.54		
6" x 1/4" x 5/8"-11							0211857	5.74		
7" x 1/4" x 5/8"-11	0822681	4.59	58115	6.32	0825434	6.49	0211858	6.20	0825435	6.49
7" x 1/4" x 7/8"	0822682	3.07	58111	4.78	0803438	2.76	0212849	4.45	0803439	2.76
9" x 1/4" x 5/8"-11	0822683	4.77	58123	8.46	0803442	5.96	0211859	8.67	0803443	5.96
9" x 1/4" x 7/8"	0822684	3.29	58119	6.74	0803440	4.25	0212850	6.65	0803441	4.25

Size	metabo A24R Long Life		SAIT A24R Long Life		metabo A24T Extra Long Life		metabo ZA24T		Norton Charger		Norton NorZon Plus	
	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
4" x 1/4" x 3/8"									0826671	\$4.82		
4" x 1/4" x 5/8"			59103	\$3.34			0213864	\$5.41	0826672	4.45		
4-1/2" x 1/4" x 5/8"-11	0211826	\$3.60	59104	4.55			0211869	7.20	0822634	5.86	0825701	\$13.12
4-1/2" x 1/4" x 7/8"	0212827	2.37	59107	2.75	0212812	\$2.48	0213861	6.20	0822635	4.45	0825700	11.57
5" x 1/4" x 5/8"-11					0211813	4.40			0822638	7.36	0825703	14.80
5" x 1/4" x 7/8"	0212828	3.50	59112	3.80	0212813	3.66			0822639	6.91	0825702	13.29
6" x 1/4" x 7/8"	0212834	4.17							0826673	7.96		
6" x 1/4" x 5/8"-11	0211831	6.45										
7" x 1/4" x 5/8"-11	0211867	5.86	59115	7.93	0211814	6.08	0211870	11.48	0822642	9.74	0825705	18.26
7" x 1/4" x 7/8"	0213859	4.35	59111	5.24	0212814	4.22	0213862	9.28	0822643	7.89	0825704	16.69
9" x 1/4" x 5/8"-11	0211868	8.00	59123	9.13	0211815	8.44	0211871	15.36	0822646	13.46	0825707	24.16
9" x 1/4" x 7/8"	0213860	6.42	59119	8.09	0212815	6.33	0213863	11.85	0822647	12.06	0825706	22.56

1/4" Stainless Steel - Grinding - Type 27

Size	metabo A360		SAIT Saitech U.P.		Norton Gemini	
	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
3" x 1/4" x 3/8"	0212837	\$3.66				
4" x 1/4" x 5/8"			59155	\$8.59		
4-1/2" x 1/4" x 5/8"-11			59157	11.10	0822683	\$4.77
4-1/2" x 1/4" x 7/8"	0212866	3.63	59156	8.75	0822684	3.29
5" x 1/4" x 5/8"-11			59159	13.18		
5" x 1/4" x 7/8"	0212870	4.12	59158	11.76	0822686	5.13
6" x 1/4" x 7/8"	0212851	6.11				
7" x 1/4" x 5/8"-11	0211860	8.95	59161	15.85	0822689	7.25
7" x 1/4" x 7/8"	0212852	6.26	59160	13.05	0822690	5.86
9" x 1/4" x 5/8"-11	0211861	9.35	59163	20.46		
9" x 1/4" x 7/8"	0212853	8.69	59162	17.31		

1/4" Aluminum - Grinding/Blending - Type 27

Size	metabo A36M		SAIT A46N		Norton Gemini A46		Norton Gemini A24	
	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
4" x 1/4" x 5/8"			59173	\$6.60	0822685	\$4.69		
4-1/2" x 1/4" x 5/8"-11			59175	8.76	0822608	7.69		
4-1/2" x 1/4" x 7/8"	0212871	\$5.29	59174	6.83	0822611	6.19		
5" x 1/4" x 5/8"-11			59177	10.47				
5" x 1/4" x 7/8"			0212872	6.20				
6" x 1/4" x 7/8"	0212873	6.49			59176	8.44	0824751	9.31
7" x 1/4" x 5/8"-11	0211866	8.27	59179	11.63	0822625	9.65	0822624	\$9.65
7" x 1/4" x 7/8"	0213858	7.04	59178	8.78			0822623	10.75
9" x 1/4" x 5/8"-11	59181	15.31			0822628	12.46		
9" x 1/4" x 7/8"	59180	12.58						

3/32", 1/8" & 1/4" Masonry - Grinding/Cutting - Type 27

Size	Blackstone		metabo C24N		metabo C30S		SAIT C24N		SAIT C24R		Norton Masonry	
	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
4" x 3/32" x 5/8"					0212826	\$2.71						
4" x 1/8" x 5/8"											0826715	1.94
4" x 1/4" x 5/8"			0212869	2.54			59305	3.51			0826716	2.12
4-1/2" x 3/32" x 7/8"					0212859	2.76					0826717	2.85
4-1/2" x 1/8" x 5/8"-11											0826718	1.94
4-1/2" x 1/8" x 7/8"											0826719	3.02
4-1/2" x 1/4" x 5/8"-11	0801915	6.32									0826720	2.12
4-1/2" x 1/4" x 7/8"	0801916	2.82	0212860	2.60			59306	3.13			0826721	2.67
5" x 1/8" x 7/8"											0826722	2.90
5" x 1/4" x 7/8"			0212862	3.75								
6" x 1/4" x 7/8"			0212854	5.07								
7" x 1/8" x 7/8"					0212822	6.31						
7" x 1/8" x 5/8"-11					0211823	8.16			59331	9.38		
7" x 1/4" x 5/8"-11	0801919	9.90	0211862	7.82			59314	8.78			0826723	5.60
7" x 1/4" x 7/8"			0212855	5.63							0826724	4.23
9" x 1/8" x 5/8"-11					0211825	9.28			59335	10.66		
9" x 1/8" x 7/8"					0212824	7.04			59336	8.99		
9" x 1/4" x 5/8"-11			0211863	10.07			59322	11.90			0826725	7.94
9" x 1/4" x 7/8"			0212856	8.04								

CUP WHEELS, GRIND BLEND KITS, CUT-OFF WHEELS

Cup Wheels

SAIT

Cup Wheels for Right Angle Grinders

Great for cleaning castings and removing flashings. For use on ferrous metals.



A16

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
58374	4/3 x 2" x 5/8"-11	9050	\$16.05
58375	5/4 x 2" x 5/8"-11	7250	22.99
58376	6/4 x 2" x 5/8"-11	6050	29.95

Silicon carbide grain, fast, free cutting. Primary application: masonry, concrete, and stone.



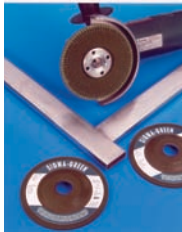
C16

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
58371	4/3 x 2" x 5/8"-11	9050	\$17.12
58372	5/4 x 2" x 5/8"-11	7250	22.60
58373	6/4 x 2" x 5/8"-11	6050	28.80

Green Bond Grinding Wheels

BLACKSTONE

- Premium product designed for extremely fast grinding
- Smooth control with better surface finishes
- Excellent for use on stainless steel, aluminum, mild steel, and exotics
- Decrease your grinding time by half



Part No.	Size	Grit	Arbor	Type	Max. RPM	Price /Ea
0808380	4"	36	5/8"	T27	15300	\$7.92
0808381	4-1/2"	36	7/8"	T27	13300	10.04
0808382	4-1/2"	36	5/8"-11	T27	13300	14.18
0808383	5"	36	7/8"	T27	12200	12.24
0808384	5"	36	5/8"-11	T27	12200	15.62
0808385	7"	36	7/8"	T27	8500	14.22
0808386	7"	36	5/8"-11	T27	8500	17.06

Cotton Fiber T27 Wheels

- Quality cotton fiber impregnated with abrasive grain
- Grind and finish in one operation
- Leaves a surface finish equivalent to a 40 RMS (150 grit)
- Smooth controlled grinding action
- Non-loading on aluminum



Part No.	Size	Specification	Grit	Arbor	Type	Max. RPM	Price /Ea
0808411	4-1/2"	A36GFX	36	7/8"	T27	13300	\$23.18
0808412	4-1/2"	A36GFX	36	5/8"-11	T27	13300	26.78
0808413	7"	A36GFX	36	7/8"	T27	8500	29.43
0808414	7"	A36GFX	36	5/8"-11	T27	8500	33.71
0808415	4-1/2"	A36GFX	36	7/8"	T27	13300	18.68
0808416	4-1/2"	A36GFX	36	5/8"-11	T27	13300	22.28
0808417	7"	A36GFX	36	7/8"	T27	8500	25.56
0808418	7"	A36GFX	36	5/8"-11	T27	8500	29.84

Grind and Blend Kits

BLACKSTONE

Grind and Blend Kits

- One kit for your weld blending needs
- Includes one disc for grinding the welds fast and one disc for blending it in
- Use on stainless steel, aluminum, mild steel and exotics

Part No.	Size	Grit	Arbor	Type	Max. RPM	Price /Ea
0808428	4-1/2"	36,54	7/8"	T27	13300	\$36.72
0808430	4-1/2"	36,54	5/8"-11	T27	13300	23.25

SuperDisk Flexible Disks

SuperDisk

SuperDisk

Superdisk flexible cutting/grinding/sanding disks for use with most materials including PVC, copper, aluminum, mild steel, wood, melamine etc. Shatterproof and double sided, they can be used on all tools including angle grinders, table and hand held saws, drills and radial arm units.



Part No.	Vendor No.	Description	Price /Each
0800285	ARB	Arbor with serrated sure-grip disk support	\$7.87
0800291	SD35	Three cutting discs for use with Rotozip Zipmate®	9.45
0800286	SD4	4" x 5/8" arbor hole	7.31
0800287	SD45	4-1/2" x 5/8" arbor hole	7.87
0800288	SD47	4-1/2" x 7/8" arbor hole	7.87
0800290	SD5	Three 5" open weave double sided sanding discs, one each of coarse, medium and fine grit	13.00
0800289	SD7	7" x 5/8" arbor hole	9.00
0800292	SDCK	Contains one SD7, one SD4, one 7" open weave sanding disc, one mounting arbor and one tungsten carbide rod saw	33.75

Type 1 Cut-Off Wheels (Small Diameter)

BLACKSTONE

Type 1 Small Diameter Cut-Off Wheels

Fastenal cut-off wheels are made with aluminum oxide grain and are designed for cutting a variety of metals.



Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0854400	2" x .035" x 1/4"	30560	\$1.25
0854401	2" x .035" x 3/8"	30560	1.25
0854402	2" x 1/16" x 1/4"	30560	1.25
0854403	2" x 1/16" x 3/8"	30560	1.25
0854404	3" x .040" x 1/4"	25000	1.61
0854405	3" x .040" x 3/8"	25,000	1.61
0854406	3" x 1/16" x 1/4"	25000	1.61
0854407	3" x 1/16" x 3/8"	25000	1.61
0854408	4" x .040" x 1/4"	22000	2.17
0854409	4" x .040" x 3/8"	22000	2.17
0854410	4" x .040" x 5/8"	22000	2.17
0854411	4" x 1/16" x 1/4"	22000	2.17
0854412	4" x 1/16" x 3/8"	22000	2.17
0854413	4" x 1/16" x 5/8"	22000	2.17
0854414	4-1/2" x .040" x 7/8"	15,000	2.19
0854415	4-1/2" x 1/16" x 7/8"	15000	2.27
0854416	5" x .040" x 7/8"	12,225	2.74
0854417	5" x 1/16" x 7/8"	12225	2.82
0854418	6" x .040" x 3/8"	10200	3.21
0854419	6" x .040" x 5/8"	10200	3.21
0854420	6" x .040" x 7/8"	10,200	3.21
0854421	6" x 1/16" x 5/8"	10200	3.42
0854422	6" x 1/16" x 7/8"	10200	3.42

**JOBS THIS RUGGED
DESERVE THE
BEST**

BLACKSTONE™

CUT-OFF WHEELS

Cutting Wheels

Type 1 Cut-Off Wheels (Small Diameter) Cont.



Norton Type-1 Small Diameter Cut-Off Wheels

Norton Cut-Off Wheels are designed for a variety of metal and masonry cutting applications. The unique design provides safety, strength, and straight cuts.

Charger

- Durable zirconia alumina abrasive gives up to 3X the and 2X the cut rate of standard aluminum oxide wheels
- Excels on a broad range of materials, from alloys and stainless to gray iron
- Maximum productivity with the lowest overall grinding cost

Gemini

- Quality aluminum oxide grain
- Consistent performance at a competitive price

Norton Metal

- Versatile aluminum oxide abrasive for metal working
- Ideal for general purpose applications and when initial cost is the main consideration

Norton Masonry

- Sharp silicon carbide for concrete, masonry, and asphalt applications
- Engineered for various construction applications at a low initial cost



Charger Rightcuts

Part No.	Vendor No.	Dia. x Width x Bore	Max. RPM	Price /Each
0826916	66252826569	4-1/2" x .045" x 7/8"	13,580	\$3.63
0826917	66252826570	5" x .045" x 7/8"	12,225	4.16
0826918	66252826571	6" x .045" x 7/8"	10,185	4.80

Gemini Rightcuts

Part No.	Vendor No.	Dia. x Width x Bore	Max. RPM	Price /Each
0822692	66243411393	2" x .035" x 1/4"	30,560	\$1.87
0822693	66243411394	2" x .035" x 3/8"	30,560	1.87
0822694	66243411395	2" x 1/16" x 1/4"	30,560	1.87
0822695	66243411396	2" x 1/16" x 3/8"	30,560	1.87
0822702	66243510627	3" x .035" x 1/4"	25,465	1.74
0822704	66243510628	3" x .035" x 3/8"	25,465	1.81
0822706	66243510645	3" x 1/16" x 1/4"	25,465	1.74
0822710	66243510647	3" x 1/16" x 3/8"	25,465	1.74
58080	66243510629	4" x .035" x 1/4"	19,100	2.79
58082	66243510630	4" x .035" x 3/8"	19,100	2.33
58074	66243510654	4" x 1/16" x 1/4"	19,100	2.79
58072	66243510655	4" x 1/16" x 3/8"	19,100	2.79
0824745	66243527956	4" x .045" x 5/8"	15,280	2.37
0824744	66243527955	4" x 3/32" x 5/8"	15,280	2.87
0818812	66252823602	4-1/2" x .045" x 7/8"	13,580	2.49
0824759	66252823599	4-1/2" x 3/32" x 7/8"	13,580	3.49
0824763	66252823603	5" x .045" x 7/8"	12,225	3.02
0824760	66252823600	5" x 3/32" x 7/8"	12,225	4.07
0824764	66252823604	6" x .045" x 7/8"	10,185	3.32
0824761	66252823601	6" x 3/32" x 7/8"	10,185	4.43

Metal

Part No.	Vendor No.	Dia. x Width x Bore	Max. RPM	Price /Each
0826919	07660701616	4" x .040" x 5/8"	15,280	\$1.64
0826920	07660701617	4-1/2" x .040" x 7/8"	13,580	1.82
0826921	07660701618	5" x .040" x 7/8"	12,225	2.17
0826922	07660702757	6" x .040" x 7/8"	10,185	2.48

Masonry

Part No.	Vendor No.	Dia. x Width x Bore	Max. RPM	Price /Each
0826923	07660701620	4" x .040" x 5/8"	15,280	\$2.85
0826924	07660701621	4-1/2" x .040" x 7/8"	13,580	3.29

Three Reasons Why Norton is the Number One Brand in Abrasives



YOUR SOURCE FOR COST SAVING ABRASIVE SOLUTIONS™

Highest Quality

Whether you're looking for a standard grade stock product for a maintenance operation, or the latest generation of high performance, custom-engineered abrasives for an ultra precision application, Norton can provide a high quality solution.

Value Solution

Norton is the most trusted name in the industry. Our extensive training for distributors and/or application engineers can help develop the most cost-effective solutions for any grinding, cutting and finishing abrasive application.

Single Source

Norton offers the most extensive line of bonded, coated and superabrasives of any abrasives' supplier. A single source means significantly lower procurement costs. And we offer up to three levels of performance for each product so you can match your needs for price and productivity.

For more information, or to place an order for Norton abrasives, contact your local Fastenal location.



Type 1 Cut-Off Wheels (Small Diameter) Cont.

metabo

Type 1 "Slicer" Wheels



A60TZ

Aluminum Oxide grain. Very fast cutting with minimum heat build-up in the hardest of metals. For cutting virtually anything but masonry

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0211828	3" x .040" x 1/4"	25,000	\$1.75
0211829	3" x .040" x 3/8"	25,000	1.75
0211854	3" x 1/16" x 1/4"	25,000	1.75
0211833	3" x 1/16" x 3/8"	25,000	1.82
0211834	4" x .040" x 1/4"	22,000	2.35
0211835	4" x .040" x 3/8"	22,000	2.35
0211836	4" x .040" x 5/8"	22,000	2.35
0211840	4" x 1/16" x 3/8"	22,000	2.43
0202134	4" x 1/16" x 5/8"	22000	2.52
0211842	4-1/2" x .040" x 7/8"	15,000	2.46
0211844	4-1/2" x 1/16" x 7/8"	15,000	2.54
0211845	5" x .040" x 7/8"	12,223	3.16
0202162	5" x 1/16" x 7/8"	12,223	3.38
0211872	6" x .040" x 3/8"	14,000	3.60
0211847	6" x .040" x 5/8"	10200	3.83
0211848	6" x .040" x 7/8"	10,200	3.83
0211851	6" x 1/16" x 5/8"	10200	3.83
0211853	6" x 1/16" x 7/8"	10200	3.83

A36TZ

Aluminum Oxide grain. Good cut rate and longer wheel life than A60TZ

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0211830	3" x 1/16" x 1/4"	25,000	\$1.82
0211832	3" x 1/16" x 3/8"	25,000	1.82
0211837	4" x 1/16" x 1/4"	22000	2.43
0211839	4" x 1/16" x 3/8"	22,000	2.43
0211841	4" x 1/16" x 5/8"	22,000	2.43
0211843	4-1/2" x 1/16" x 7/8"	15,000	2.46
0202135	5" x 1/16" x 7/8"	12,223	3.21
0211850	6" x 1/16" x 5/8"	10200	3.83
0211852	6" x 1/16" x 7/8"	10200	3.83

A30S

Aluminum Oxide grain for use on steel and other ferrous metals. Very fast cutting rate, and a good wheel life.

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0212835	3" x 1/8" x 3/8"	20,500	\$2.04
0212863	5" x 1/8" x 7/8"	12,300	3.79

* (For use with smaller air or electric grinders)



SAIT

.045™ Type 1 Thin Cutting Wheels



Z-Tech™ High Performance

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
-For Metal/Stainless Steel			
0834982	4-1/2" x .045" x 7/8"	13300	\$2.38
0834983	5" x .045" x 7/8"	12200	2.75
0834984	6" x .045" x 7/8"	10200	2.95

Saitech .045™

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
-Excels On stainless steel			
0203145	4-1/2" x .045" x 7/8"	13300	\$3.06
0203146	5" x .045" x 7/8"	12200	3.35
0203147	6" x .045" x 7/8"	10200	3.57

.045™ A46N

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
-For Aluminum And Non-Ferrous Metals			
0203150	4-1/2" x .045" x 7/8"	13300	\$2.78
0203151	5" x .045" x 7/8"	12200	3.30
0203152	6" x .045" x 7/8"	10200	3.48

.045™ A60S

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
-For Metal			
0203140	4-1/2" x .045" x 7/8"	13300	\$2.82
0203141	5" x .045" x 7/8"	12200	2.99
0203142	6" x .045" x 7/8"	10200	3.44

Type 1 Cut-Off Wheels

Very fine aluminum oxide grain, hard bond for smooth cutting. For use in nuclear, aerospace, automotive, foundries, and plant maintenance. Applications: ferrous metals (iron, steel, welds, etc.), high tensile metals.



A60T

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0203177	3" x .035" x 3/8"	25,000	\$1.87
59075	4" x 1/16" x 1/4"	19,000	2.78
59073	4" x 1/16" x 3/8"	19,000	2.78
59079	4" x 1/16" x 5/8"	19,000	2.78
59081	4" x .035" x 1/4"	19,000	2.78
59083	4" x .035" x 3/8"	19,000	2.78
59085	4" x .035" x 5/8"	19,000	2.78

Aluminum oxide grain, extremely hard bond for aggressive cutting on rough applications. Used on ferrous metals (iron, steel) and/or non-ferrous metals (copper, aluminum). Secondary application: stainless steel.

A36T

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0203176	3" x .035" x 3/8"	25,000	\$2.19
0203178	3" x .1/16" x 3/8"	25,000	2.19
0203179	3" x .1/16" x 1/4"	25,000	2.19
59072	4" x 1/16" x 3/8"	19,000	2.70
59076	4" x 1/16" x 5/8"	19,000	2.70
59080	4" x .035" x 1/4"	19,000	2.70
59082	4" x .035" x 3/8"	19,000	2.70
59084	4" x .035" x 5/8"	19,000	2.70

Cut-Off Wheel Mandrel

1/4" shank mandrel that will mount on cut-off wheels with 1/4" and 3/8" arbor holes.



Part No.	Arbor Hole	Price /Each
0211808	1/4" and 3/8"	\$9.13

These mandrels mount to cut off wheels with 1/4" or 3/8" diameter arbor holes. This allow use of the cut-off wheels in 1/4" colleted die grinders.

Part No.	Arbor Hole	Price /Each
0205429	1/4"	\$5.80
0205430	3/8"	5.80



Norton™ Circular Saw Cut-Off Wheels

General Purpose Cut-Off Wheels for standard circular saws.



DM = Diamond Mount Arbor with bushings.

Norton Metal: Quality aluminum oxide abrasive designed for cutting alloys, steels, and ferrous metals

Norton Masonry: Sharp silicon carbide grain, engineered for concrete, brick and asphalt

Metal Cutting—Aluminum Oxide

Part No.	Vendor No.	Dia. x Width x Bore	Max. RPM	Price /Each
58014	66252939145	7" x 3/32" x DM*(5/8)	8,730	\$5.36
58018	66253043183	8" x 3/32" x DM*(5/8)	7,640	5.53

*5/8" Arbor with diamond knockout

Masonry Cutting—Silicon Carbide

Part No.	Vendor No.	Dia. x Width x Bore	Max. RPM	Price /Each
58214	66252939146	7" x 3/32" x DM*(5/8)	8,730	\$6.49
58218	66253043184	8" x 3/32" x DM*(5/8)	7,640	5.36

*5/8" Arbor with diamond knockout

CUT-OFF WHEELS

Cutting Wheels

Type 1 Cut-Off Wheels (Small Diameter) Cont.



Type 1 Cut-Off Wheels For Circular Saws C30S

Silicon Carbide mineral. For use on stone, concrete, cast iron, ductile iron, masonry and other non-ferrous metals. Fast cutting rate and a good wheel life.



Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0212842	7" x 1/8" x DM*(5/8)	8600	\$4.45

*5/8" Arbor with diamond knockout A30S

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0212841	7" x 1/8" x DM*(5/8)	8,600	\$3.94

*5/8" Arbor with diamond knockout

Type 1 Cut-Off Wheels (Large Diameter)



Chop Saw Wheels

Aluminum Oxide grain for general purpose cutting of all ferrous metals (iron, cast iron, etc.)



Metal Cutting

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0803448	12" x 3/32" x 1"	6360	\$7.99
0803449	14" x 3/32" x 1"	5400	9.99

Silicon Carbide grain for general purpose cutting of masonry, concrete, stone and brick.

Masonry Cutting

Part No.	Dia. x Width x Bore	Max. RPM	Price /Ea
0801923	14" x 3/32" x 1"	5400	\$11.06



Norton™ Chop Saw Wheels

Norton Gemini Chop saw Wheels—Aluminum Oxide

Side reinforced wheels, resists breakage and provides free cutting, non-binding, burr and burn free, straight cuts. For metal and aluminum wheels.



Gemini Long Life

Part No.	Vendor No.	Dia. x Width x Bore	Max. RPM	Price /Each
58049	66253106102	10" x 3/32" x 5/8"	6,110	\$12.86
58045	66253106109	10" x 7/64" x 1"	6,110	13.04
0822747	66253207554	12" x 7/64" x 1"	5,095	13.80
58070	66253306626	14" x 7/64" x 1"	4,365	17.68
0822755	66253410198	16" x 7/64" x 1"	3,820	24.53

Gemini Free Cut

Part No.	Vendor No.	Dia. x Width x Bore	Max. RPM	Price /Each
58048	66253106101	10" x 3/32" x 5/8"	6,110	\$12.86
58071	66253306627	14" x 7/64" x 1"	4,365	13.95

Gemini Rapid Cut

Part No.	Vendor No.	Dia. x Width x Bore	Max. RPM	Price /Each
58067	66253214561	12" x 7/64" x 1"	5,095	\$7.83
0822751	66253313588	14" x 7/64" x 1"	4,365	8.76

Gemini Aluminum—For cutting aluminum

Part No.	Vendor No.	Dia. x Width x Bore	Max. RPM	Price /Each
0822750	66253314816	14" x 7/64" x 1"	4,365	\$10.35

Norton Charger Chop saw Wheels

Zirconia alumina/aluminum oxide abrasive blend gives twice the life and cut rate of standard aluminum oxide. High performance resin bond provides free-cutting action and a burn-free cut.

Charger Long Life

Part No.	Vendor No.	Dia. x Width x Bore	Max. RPM	Price /Each
0822759	66253106108	10" x 3/32" x 5/8"	6,110	\$18.58
0822749	66253207553	12" x 7/64" x 1"	5,095	21.95
0822764	66253306623	12" x 1/8" x 1"	4,365	21.95
0822753	66253306625	14" x 7/64" x 1"	4,365	23.49
0822757	66253410197	16" x 7/64" x 1"	3,820	26.59
0822766	66253410195	16" x 5/32" x 1"	3,820	42.52

Charger Free Cut

Part No.	Vendor No.	Dia. x Width x Bore	Max. RPM	Price /Each
58068	66253207552	12" x 7/64" x 1"	5,095	\$13.46
0822752	66253306624	14" x 7/64" x 1"	4,365	18.02
0822756	66253410196	16" x 7/64" x 1"	3,820	26.59

Charger Rapid Cut

Part No.	Vendor No.	Dia. x Width x Bore	Max. RPM	Price /Each
0822754	66253309614	14" x 7/64" x 1"	4,365	\$18.02



Type 1 Chop Saw Wheels

For use on angle iron, channel iron and other ferrous metals.



Iron Worker

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
59067	12" x 3/32" x 1"	5100	\$7.41
59071	14" x 3/32" x 1"	4400	10.78
59078	16" x 3/32" x 1"	3700	14.91

For use on metal studding, rebar and light gauge metal.

Stud King

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
59045	10" x 3/32" x 5/8"	6100	\$9.25
59068	12" x 3/32" x 1"	5100	10.75
59070	14" x 3/32" x 1"	4400	11.05
59077	16" x 3/32" x 1"	3700	14.91

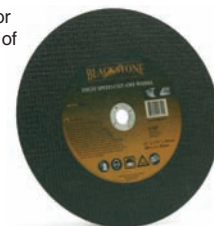
EZ Chop-Fast cutting on angle iron, rebar and studding.

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0818819	12" x 3/32" x 1"	5100	\$6.59
0818820	14" x 3/32" x 1"	4400	8.98



High Speed Cut Off Wheels for Portable Gas/Electric Saws

Aluminum Oxide grain for general purpose cutting of all ferrous metals (iron, cast iron, etc.)



Metal Cutting

Part No.	Dia. x Width x Bore	Max. RPM	Price /Ea
0803450	12" x 1/8" x 1"	6360	\$7.99
0803451	12" x 1/8" x 20mm	6360	7.99
0803452	14" x 1/8" x 1"	5400	9.99
0803453	14" x 1/8" x 20mm	5400	9.99

Silicon Carbide grain for general purpose cutting of masonry, concrete, stone and brick.

Masonry Cutting

Part No.	Dia. x Width x Bore	Max. RPM	Price /Ea
0801924	12" x 1/8" x 1"	6360	11.52
0801925	12" x 1/8" x 20mm	6360	11.59
0801926	14" x 1/8" x 1"	5400	14.31
0801927	14" x 1/8" x 20mm	5400	14.38

BLACKSTONE™



**JOBS THIS RUGGED
DESERVE THE
BEST**

Blackstone uses modern technology coupled with the maximum quality components to provide rugged, dependable, and hard-wearing products to meet the demands of the professional job.

Distributed by **FASTENAL**

TYPE 1 CUT-OFF WHEELS, CHOP SAW WHEELS

Cutting Wheels

Type 1 Cut-Off Wheels (Large Diameter) Cont.



Gas Saw Cut-Off Wheels

Special grain formula creates best value for the fastest cutting, hence the name XFC – Extremely Fast Cutting.



A24R–Metal XFC

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0834975	14" x 1/8" x 1"	5400	\$7.99
0834976	14" x 1/8" x 20mm	5460	7.99

Silicon carbide grain, long life. Applications: stone, brick, soft aggregate, masonry, concrete.



C24R–Concrete XFC

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
59214	7" x 3/32" x 5/8"	8500	\$5.33
59218	8" x 3/32" x 5/8"	7600	6.01
59226	12" x 1/8" x 1"	6300	8.22
59229	12" x 1/8" x 7/8"	6300	8.22
59233	12" x 1/8" x 20mm	6300	8.22
0834977	14" x 1/8" x 1"	5400	9.25
0800095	14" x 1/8" x 20mm	5460	9.25



Type 1 Cut-Off Wheels For Portable Machines

A24N - Steel

Aluminum Oxide grain. Excellent cutting rate and a good wheel life.



Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0212801	12" x 1/8" x 20mm	6400	\$7.15
0212802	12" x 1/8" x 1"	6400	7.20
0212803	14" x 1/8" x 1"	5400	11.20
0212804	14" x 1/8" x 20mm	5460	11.53

C24N - Masonry

Silicon Carbide grain. For use on stone, concrete, cast iron, ductile iron, masonry and other non-ferrous metals. Fast cutting rate and a good wheel rate.



Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0212805	12" x 1/8" x 20mm	6400	\$7.32
0212806	12" x 1/8" x 1"	6400	7.43
0212807	14" x 1/8" x 1"	5400	11.81
0212808	14" x 1/8" x 20mm	5460	12.04

A24M - Steel, large chop saw applications

Aluminum Oxide grain. Excellent cutting rate and a good wheel life.



Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0212847	14" x 3/32" x 1"	4300	\$7.43
0212811	16" x 3/32" x 1"	3820	14.06

C16N - Asphalt

Silicon Carbide grain. Specially formulated for asphalt and cured concrete. Good cutting rate and wheel life.



Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0202042	12" x 1/8" x 1"	6400	\$7.16
0202043	12" x 1/8" x 20mm	6400	7.16
0203474	14" x 1/8" x 1"	5400	10.76



Type 1 Cut-Off Wheels for use with Portable Saws

Aluminum oxide grain provides consistent performance with long life.



A24R - Gas Saws - Metal

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
59026	12" x 1/8" x 1"	6300	\$8.15
59033	12" x 1/8" x 20mm	6300	8.15
59037	14" x 1/8" x 1"	5400	14.83
59041	14" x 1/8" x 20mm	5460	14.83

Silicon carbide grain, long life. Applications: stone, brick, soft aggregate, masonry, concrete.

C24R - Gas Saws - Concrete

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
59214	7" x 3/32" x 5/8"	8500	\$5.33
59218	8" x 3/32" x 5/8"	7600	6.01
59226	12" x 1/8" x 1"	6300	8.22
59229	12" x 1/8" x 7/8"	6300	8.22
59233	12" x 1/8" x 20mm	6300	8.22
59237	14" x 1/8" x 1"	5400	14.83
59241	14" x 1/8" x 20mm	5460	14.54

Special silicon carbide grain, superior cutting action, 40% longer life than general purpose wheels. Primary application: masonry, asphalt, concrete.

Big M.A.C.™ Gas Saws

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
59400	12" x 1/8" x 1"	6300	\$7.87
59401	12" x 1/8" x 20mm	6300	7.87
59402	14" x 1/8" x 1"	5400	14.26
59403	14" x 1/8" x 20mm	5460	14.26

Combination aluminum oxide and silicon carbide formulation. Applications: ductile pipe (very hard steel casing enclosing a cement lining), water mains, combinations of metal and concrete, cast iron, hard metals, concrete coated steel, etc.

Ductile - Gas Saws

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
59404	12 x 1/8 x 1	6300	\$8.84
59405	12 x 1/8 x 20mm	6300	8.84
59406	14 x 1/8 x 1	5400	17.01
59407	14 x 1/8 x 20mm	5460	17.41

Type 1 Cut-Off Wheels for Street Saws

Silicon carbide grain. General purpose, long life. Applications: masonry, concrete, and brick.



C24R - Street Saws

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
59261	14" x 3/16" x 1"	4400	\$19.75
59262	14" x 1/4" x 1"	4400	24.56



Type 1 Cut-off Wheels For Stationary Machines Chop Saw Wheels

Aluminum Oxide grain for steel and other ferrous metals. Good cutting rate and wheel life.



Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0212845	12" x 3/32" x 1"	5100	\$6.70
0212846	14" x 3/32" x 1"	4300	8.44

Heavy Duty Cut-Off Wheels - Steel

Aluminum Oxide(A30S) grain For use on 16" portable or stationary cut-off machines. Ideal for cutting rail track.



A30S

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0212809	16" x 5/32" x 1"	3820	\$16.32

Heavy Duty Cut-Off Wheels - Masonry

Silicon Carbide grain for use on 16" portable or stationary cut-off machines. For masonry and non-ferrous cutting.



C30S

Part No.	Dia. x Width x Bore	Max. RPM	Price /Each
0212810	16" x 5/32" x 1"	3820	\$18.46

TYPE 1 CUT-OFF WHEELS, BENCH PEDESTAL WHEELS

Type 1 Cut-Off Wheels (Large Diameter) Cont.



Norton™ Stationary Cut-Off Machine Wheels

These wheels are for use on large stationary cut off machines.



The Gemini Aluminum Oxide Grain is the bench mark standard for metal fabrication.

The Charger's Norzon grain offers up to 3X the life and over 25% better cut rate vs. standard aluminum oxide.

Gemini Cut-Off

Part No.	Vendor No.	Dia. x Width x Bore	Max. RPM	Price /Each
0822760	66253207547	12" x 1/8" x 1"	5,095	\$12.04
58050	66253207548	12" x 1/8" x 1"	5,095	13.80
58056	66253306609	14" x 1/8" x 1"	4,365	17.21
58057	66253306611	14" x 1/8" x 1"	4,365	17.68
58064	66253410183	16" x 5/32" x 1"	3,820	24.53
58065	66253410184	16" x 5/32" x 1"	3,820	24.53
0822772	69078609033	20" x 3/16" x 1"	2,710	46.37

Charger High performance

Part No.	Vendor No.	Dia. x Width x Bore	Max. RPM	Price /Each
0822761	66253207550	12" x 1/8" x 1"	5,095	\$21.84
0822763	66253306622	14" x 1/8" x 1"	4,365	29.81
0822765	66253410194	16" x 5/32" x 1"	3,820	40.67
0822774	69078609047	20" x 3/16" x 1"	2,710	77.20



Type 1 Cut-Off Wheels for Stationary Saws

Aluminum oxide grain, general purpose, soft bond for fast stock removal. Applications: ferrous metals (iron, steel, cast iron, etc.) and low grade stainless steel.



A24N

Part No.	Dia. x Width x Bore	Max. RPM	Price /Ea
59049	10" x 1/8" x 1"	6100	\$10.19
59050	12" x 1/8" x 1"	5100	13.01
59057	14" x 1/8" x 1"	4400	19.63
59065	16" x 5/32" x 1"	3800	24.22
59066	20" x 3/16" x 1"	3000	46.67



Norton™ Type 1 Cut-Off Wheels for Gas, Electrical-Powered, and Walk-Behind Saws

Premium grain and bond formulas enhance the performance of this extended offering of high-speed and walk-behind abrasive saw blades.



Concrete

Part No.	Vendor No.	Dia. x Width x Bore	Price /Each
0826983	70184680312	12" x 1/8" x 20mm	\$6.74
0826984	70184680313	12" x 1/8" x 1"	6.74
0826985	70184680319	14" x 1/8" x 20mm	13.18
0826986	70184680320	14" x 1/8" x 1"	16.03
0826935	70184680323	14" x 3/16" x 1"	16.45
0826936	70184670533	14" x 1/8" x 1"	16.97
0826987	70184625269	16" x 1/8" x 20mm	17.43
0826988	70184623029	16" x 1/8" x 1"	17.43

Ductile

Part No.	Vendor No.	Dia. x Width x Bore	Price /Each
0826979	70184680314	12" x 1/8" x 20mm	\$7.99
0826980	70184680315	12" x 1/8" x 1"	7.99
0826981	70184680321	14" x 1/8" x 20mm	13.55
0826982	70184680322	14" x 1/8" x 1"	13.55

Metal

Part No.	Vendor No.	Dia. x Width x Bore	Price /Each
0826975	70184680310	12" x 1/8" x 20mm	\$6.73
0826976	70184680311	12" x 1/8" x 1"	6.73
0826977	70184680317	14" x 1/8" x 20mm	13.17
0826978	70184680318	14" x 1/8" x 1"	13.17

Asphalt

Part No.	Vendor No.	Dia. x Width x Bore	Price /Each
0826989	70184670243	12" x 1/8" x 20mm	\$8.73
0826990	70184670083	12" x 1/8" x 1"	8.73
0826991	70184671456	14" x 1/8" x 20mm	13.57
0826992	70184672877	14" x 1/8" x 1"	13.57
0826938	70184680324	14" x 3/16" x 1"	15.44
0826939	70184670535	14" x 1/8" x 1"	16.97

Asphalt/Green Concrete

Part No.	Vendor No.	Dia. x Width x Bore	Price /Each
0826941	70184670100	14" x 3/16" x 1"	\$37.91
0826942	70184670099	14" x 1/4" x 1"	41.46

Bench Grinding Wheels



Bench & Pedestal Wheels

Bench and Pedestal Grinding Wheels. Made with a heavy duty vitrified bond to deliver consistent performance at competitive prices. Aluminum Oxide wheels are for use on steels of all kinds.



Part No.	Size	Grit	Price /Ea
0204595	6" x 1/2" x 1"	36/46	\$19.85
0204596	6" x 1/2" x 1"	60/80	19.85
0204597	6" x 1/2" x 1"	100/120	19.85
0204598	6" x 3/4" x 1"	36/46	19.75
0204599	6" x 3/4" x 1"	60/80	19.75
0204600	6" x 3/4" x 1"	100/120	19.75
0204601	6" x 1" x 1"	36/46	23.23
0204602	6" x 1" x 1"	60/80	23.23
0204603	6" x 1" x 1"	100/120	23.23
0204604	7" x 1" x 1"	36/46	27.29
0204605	7" x 1" x 1"	60/80	27.29
0204607	8" x 3/4" x 1"	36/46	33.70
0204608	8" x 3/4" x 1"	60/80	33.70
0204611	8" x 1" x 1"	36/46	33.67
0204612	8" x 1" x 1"	60/80	33.67
0204613	8" x 1" x 1"	100/120	33.67
0204615	10" x 1" x 1-1/4"	36/46	51.86
0204616	10" x 1" x 1-1/4"	60/80	51.86

Bushings supplied with Bench Wheels

Wheel Dia.	Wheel Center Hole	1/2"	5/8"	3/4"	7/8"	1"	1-1/4"
5"	1"	•	•	•	•		
6"	1"	•	•	•	•		
7"	1"	•	•	•	•		
8"	1"	•	•	•	•		
10"	1-1/4"			•	•	•	
12"	1-1/4"					•	
12"	1-1/2"						•

Bench Grinding Wheels Green Wheels, Silicon Carbide

Green Silicon Carbide is for non-steel applications.

- Bushings supplied with wheels



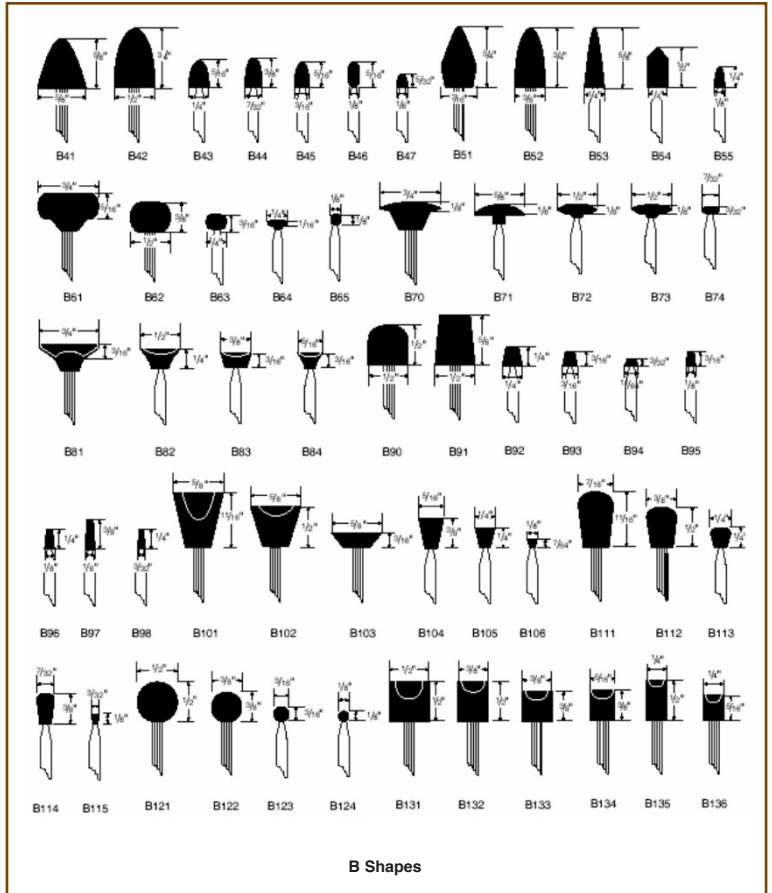
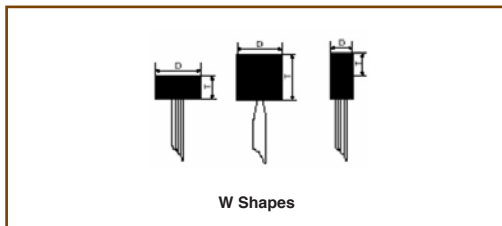
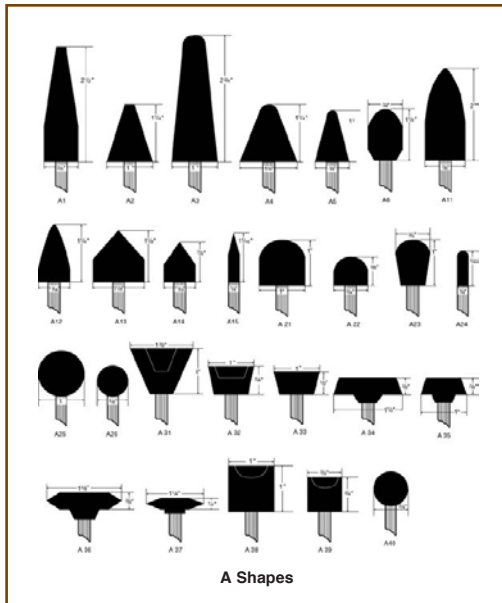
Part No.	Size	Grit	Price /Ea
0204630	6" x 3/4" x 1"	60 Med	\$34.88
0204631	6" x 3/4" x 1"	80 Fine	34.88
0204633	6" x 1" x 1"	60 Med	40.90
0204634	6" x 1" x 1"	80 Fine	40.90
0204636	7" x 1" x 1"	60 Med	50.52
0204637	7" x 1" x 1"	80 Fine	50.52
0204639	8" x 1" x 1"	60 Med	61.37
0204640	8" x 1" x 1"	80 Fine	61.37

Cut-Off Wheels,
Bench Pedestal Wheels

MOUNTED POINTS

Mounted Points Shape Reference

Mounted Points



Resin Bond Mounted Points

A broad stock offering of premium quality mounted points for your metal fabricating and foundry applications. Durable resin bond assures FastCut and minimal vibration. Superior choice versus burrs.

Typical Applications

- Removing parting lines, fins, and small risers from castings
- Smoothing and blending of welded areas
- Available in two grades, either Charger (Better) or NorZon (Best)



NorZon

Part No.	Shape	Size W x Thick	Spindle Dia.	Max. RPM	Specification	Pkg. Qty.	Price /Each
0825863	A1	3/4" x 2-1/2"	1/4"	20,960	NZ24-UBXR1	5	\$7.60
0825865	A3	1" x 2-3/4"	1/4"	15,530	NZ24-UBXR1	5	8.21
0825864	A11	7/8" x 2"	1/4"	25,420	NZ24-UBXR1	5	5.63
0825866	W197	5/8" x 2"	1/4"	24,550	NZ24-UBXR1	5	4.58
0825867	W208	3/4" x 2"	1/4"	22,830	NZ24-UBXR1	5	4.58
0825868	W220	1" x 1"	1/4"	30,370	NZ24-UBXR1	5	2.74
0825869	W221	1" x 1-1/2"	1/4"	24,490	NZ24-UBXR1	5	3.78
0825870	W222	1" x 2"	1/4"	20,250	NZ24-UBXR1	5	4.71

Charger

Part No.	Shape	Size W x Thick	Spindle Dia.	Max. RPM	Specification	Pkg. Qty.	Price /Each
0825871	A1	3/4" x 2-1/2"	1/4"	20,960	CHARGER	5	\$6.98
0825873	A3	1" x 2-3/4"	1/4"	15,530	CHARGER	5	7.55
0825874	A5	3/4" x 1-1/8"	1/4"	38,550	CHARGER	5	3.99
0825872	A11	7/8" x 2"	1/4"	25,420	CHARGER	5	5.14
0825875	W189	1/2" x 2"	1/4"	26,830	CHARGER	5	4.01
0825876	W197	5/8" x 2"	1/4"	24,550	CHARGER	5	4.14
0825877	W207	3/4" x 1-1/2"	1/4"	27,070	CHARGER	5	3.31
0825878	W208	3/4" x 2"	1/4"	22,830	CHARGER	5	4.14
0825879	W220	1" x 1"	1/4"	30,370	CHARGER	5	3.13
0825880	W222	1" x 2"	1/4"	20,250	CHARGER	5	4.37

Mounted Points Cont.



Vitrified Bond Mounted Points

High quality, pre-engineered, vitrified mounted points available in a full range of standard shapes and spindles.

Typical Applications

- Blending contours
- Deburring molded parts
- Mold finishing
- ID grinding
- Offhand bench grinding
- Tool and die work

A Shapes

Part No.	Shape	Size W x Thick	Spindle Dia.	Max. RPM	Specification	Pkg. Qty.	Price /Each
0825800	A1	3/4" x 2-1/2"	1/4"	20,960	38A36-T	5	\$3.40
0825801	A1	3/4" x 2-1/2"	1/4"	20,960	38A60-P	5	3.40
0825812	A3	1" x 2-3/4"	1/4"	15,530	38A36-T	5	3.63
0825811	A3	1" x 2-3/4"	1/4"	15,530	38A60-P	5	3.63
0825819	A4	1-1/4" x 1-1/4"	1/4"	28,550	38A60-P	5	2.29
0825822	A5	3/4" x 1-1/8"	1/4"	38,550	38A36-T	5	1.93
0825821	A5	3/4" x 1-1/8"	1/4"	38,550	38A60-P	5	1.97
0825802	A11	7/8" x 2"	1/4"	25,420	38A36-T	5	2.51
0825803	A11	7/8" x 2"	1/4"	25,420	38A60-P	5	2.51
0825804	A12	11/16" x 1-1/4"	1/4"	38,050	38A60-P	5	1.97
0825805	A13	1-1/8" x 1-1/8"	1/4"	31,850	38A60-P	5	2.29
0825806	A15	1/2" x 1-1/16"	1/4"	50,510	38A60-P	5	1.87
0825807	A21	1" x 1"	1/4"	35,510	38A60-P	5	1.59
0825808	A24	1/4" x 3/4"	1/4"	56,000	38A60-P	5	1.33
0825809	A25	1" x 1" BALL	1/4"	35,510	38A60-P	5	1.59
0825810	A26	5/8" x 5/8" BALL	1/4"	48,980	38A60-P	5	1.40
0825813	A31	1-3/8" x 1"	1/4"	27,780	38A60-P	5	1.97
0825814	A34	1-1/2" x 3/8"	1/4"	25,460	38A60-P	5	1.66
0825815	A36	1-5/8" x 3/8"	1/4"	23,510	38A60-P	5	1.93
0825816	A37	1-1/4" x 1/4"	1/4"	30,560	38A60-P	5	1.46
0825817	A38	1" x 1"	1/4"	35,510	38A60-P	5	1.33
0825818	A39	3/4" x 3/4"	1/4"	44,030	38A60-P	5	1.16
0825820	A40	3/4" x 3/4" BALL	1/4"	44,030	38A60-P	5	1.40

B Shapes

Part No.	Shape	Size W x Thick	Spindle Dia.	Max. RPM	Specification	Pkg. Qty.	Price /Each
0825831	B42	1/2" x 3/4"	1/8"	61,320	38A60-P	5	\$1.36
0825832	B44	7/32" x 3/8"	1/8"	75,840	38A60-P	5	1.24
0825833	B45	3/16" x 5/16"	1/8"	79,600	38A60-P	5	1.24
0825834	B52	3/8" x 3/4"	1/8"	64,810	38A60-P	5	1.36
0825835	B52	3/8" x 3/4"	1/4"	78,340	38A60-P	5	1.36
0825836	B52	3/8" x 3/4"	1/8"	64,810	38A90-Q	5	1.36
0825837	B53	5/16" x 5/8"	1/8"	67,070	38A60-P	5	1.36
0825838	B81	3/4" x 3/16"	1/8"	50,930	38A60-P	5	1.27
0825839	B91	1/2" x 5/8"	1/8"	61,110	38A60-P	5	1.36
0825840	B97	1/8" x 3/8"	1/8"	81,550	38A60-P	5	1.24
0825823	B121	1/2" x 1/2" BALL	1/8"	62,420	38A60-P	5	1.24
0825825	B122	3/8" x 3/8" BALL	1/8"	68,740	38A60-P	5	1.24
0825824	B122	3/8" x 3/8" BALL	1/8"	68,740	38A90-Q	5	1.27
0825826	B123	3/16" x 3/16" BALL	1/8"	84,720	38A60-P	5	1.13
0825827	B124	1/8" x 1/8" BALL	1/8"	91,770	38A90-Q	5	1.16
0825828	B131	1/2" x 1/2"	1/8"	62,420	38A60-P	5	0.98
0825829	B132	3/8" x 1/2"	1/8"	65,910	38A60-P	5	0.98
0825830	B135	1/4" x 1/2"	1/8"	71,340	38A60-P	5	1.00

W Shapes

Part No.	Shape	Size W x Thick	Spindle Dia.	Max. RPM	Specification	Pkg. Qty.	Price /Each
0825841	W144	1/8" x 1/4"	1/8"	92,460	38A60-P	5	\$0.92
0825842	W152	3/16" x 1/4"	1/8"	82,070	38A60-P	5	0.92
0825843	W153	3/16" x 3/8"	1/8"	73,880	38A60-P	5	1.00
0825844	W154	3/16" x 1/2"	1/8"	66,580	38A60-P	5	1.00
0825845	W160	1/4" x 1/4"	1/8"	75,330	38A60-P	5	0.92
0825846	W162	1/4" x 3/8"	1/8"	67,210	38A60-P	5	0.92
0825847	W163	1/4" x 1/2"	1/8"	59,990	38A60-P	5	1.00
0825848	W164	1/4" x 3/4"	1/8"	47,880	38A60-P	5	1.02
0825849	W176	3/8" x 1/2"	1/8"	50,460	38A60-P	5	0.98
0825850	W185	1/2" x 1/2"	1/8"	42,750	38A60-P	5	0.98
0825851	W188	1/2" x 1-1/2"	1/4"	31,070	38A60-P	5	1.66
0825852	W189	1/2" x 2"	1/4"	26,830	38A60-P	5	2.13
0825853	W200	3/4" x 1/8"	1/8"	50,930	38A60-P	5	1.00
0825854	W204	3/4" x 3/4"	1/4"	36,510	38A60-P	5	1.13
0825855	W208	3/4" x 2"	1/4"	22,830	38A60-P	5	2.20
0825856	W215	1" x 1/8"	1/8"	38,200	38A60-P	5	1.02
0825857	W220	1" x 1"	1/4"	30,370	38A60-P	5	1.33
0825858	W222	1" x 2"	1/4"	20,250	38A60-P	5	2.29
0825859	W235	1-1/2" x 1/4"	1/4"	25,460	38A60-P	5	1.36
0825860	W236	1-1/2" x 1/2"	1/4"	25,460	38A60-P	5	1.40
0825861	W238	1-1/2" x 1-1/2"	1/4"	20,720	38A60-P	5	2.29
0825862	W242	2" x 1"	1/4"	19,100	38A60-P	5	2.13

BF3 Cotton Fiber Mounted Points

Ideal for blending and finishing parts without changing part geometry.

Typical Applications

- Blending
- Polishing

Part No.	Shape	Size W x Thick	Spindle Dia.	Max. RPM	Specification	Pkg. Qty.	Price /Each
0825881	A11	7/8" x 2"	1/4"	25,420	A80-HBF3	5	\$20.99
0825882	B52	3/8" x 3/4"	1/8"	64,810	A120-HBF3	5	8.65
0825884	W163	1/4" x 1/2"	1/8"	59,990	A80-HBF3	5	6.10
0825883	W163	1/4" x 1/2"	1/8"	59,990	A120-HBF3	5	6.10
0825885	W176	3/8" x 1/2"	1/8"	50,460	A80-HBF3	5	6.10
0825886	W187	1/2" x 1"	1/8"	22,630	A80-HBF3	5	8.50
0825887	W220	1" x 1"	1/4"	30,370	A80-HBF3	5	12.49



Type 'A' Mounted Points

Aluminum Oxide for all metal applications. Ideal to debur, grind, form, groove, and shape all types of metal, steel, hardened steel, ceramics. Blue is the hardest and pink is the softest.

Shanks are 1/4" by 1-1/2". Available in coarse and medium grit. Refer to ANSI B7.1-2000 for the maximum safe operating speeds.



Shape	Grade	Blue		Pink	
		Part No.	Price /Ea	Part No.	Price /Ea
A1	A36	0807212	\$2.85		
A1	A60	0807213	2.85	0807215	2.85
A3	A36	0807216	2.85		
A3	A60	0807218	2.85	0807220	2.85
A4	A60	0807221	1.94	0807223	1.94
A5	A60	0807226	1.59	0807228	1.59
A11	A36	0807232	2.15		
A11	A60	0807234	2.15	0807236	2.15
A12	A36	0807237	1.59		
A12	A60	0807239	1.59	0807241	1.59
A13	A60	0807242	1.89	0807244	1.89
A14	A60			0807247	1.32
A15	A60	0807248	1.50	0807250	1.50
A21	A60	0807251	1.50	0807253	1.50
A22	A60	0807254	1.32	0807256	1.32
A23	A60	0807257	1.27	0807259	1.27
A24	A60	0807260	1.04	0807262	1.04
A25	A60	0807263	1.36	0807265	1.36
A31	A60	0807270	1.69	0807272	1.69
A32	A60	0807273	1.27	0807275	1.27
A34	A60	0807279	1.46	0807281	1.46
A35	A60	0807282	1.22	0807284	1.22
A36	A60	0807285	1.69	0807287	1.69
A37	A60	0807288	1.27	0807290	1.27
A38	A60	0807292	1.16	0807294	1.16
A39	A60	0807295	0.97	0807297	0.97
A40	A60	0807298	1.25		

MOUNTED POINTS

Mounted Points Cont.



Vitrified Mounted Point Kits

The mounted point kits listed below contain the select sizes most commonly used for various jobs. One of the following will suit your needs for variety and quantity. Shipped in stand-up boxes.



Part No. 0807771

Refers to ANSI B7.1-2000 for maximum safe operating speeds.



Part No.	Description	Price /Ea
0807771	1/4" Shnk 12pc A & W Shape Blue Vitrified Mounted Point Kit	\$35.27
0807770	1/4" Shnk 50pc A & W Shape Blue Vitrified Mounted Point Kit	114.32
0807769	1/8" Shnk 100pc B&W Shape Blue Vitrified Mounted Point Kit	109.93
0807764	KT-1/8-72BW-COMB 1/8" Shnk 72 Piece Assorted B & W Shape Kit	212.36

Dressing Stones for Mounted Points

Dressing stones are utilized to prolong life and improve cutting characteristics of mounted points. Use as loading and material build-up occur. Offered in coarse black silicon carbide for the best dressing possible. Some stones are produced with V grooves to improve shaping capabilities.



Rectangular Shape, R Hardness					Price /Ea
Part No.	Grit	Grade	Dia.	Lgth.	
0807767	Medium	C46	1"	2"	\$2.47
0807768	Medium	C46	1 3/8"	3 1/2"	3.44
0807806	Coarse	S/C Coarse	1"	6"	4.13

For Mounted Point Shape Reference Guide, Refer to Page 12-14

Type 'B' Vitrified Points

High quality aluminum oxide to debur, grind, form, groove, and shape all types of metal, steel, hardened steel, ceramics, and wood.

All are 60 or 80 medium size grit.

Shanks are 1/8" diameter and 1-1/2" in length.

Blue points are the hardest of the points. They are made of semifriable grain that is good for the applications where the primary need is a longer lasting part.

Pink points are the softest. They are made of a premium pink friable grain, and are the most frequently used when the application calls for fast, cool cutting.

Refer to ANSI B7.1-2000 for the maximum safe operating speed.

Shape	Grade	Blue		Pink	
		Part No.	Price /Ea	Part No.	Price /Ea
B41	A60	0807301	\$1.22	0807303	\$1.22
B42	A60	0807304	1.16	0807306	1.12
B43	A60	0807307	1.10	0807309	1.10
B44	A60	0807310	1.10	0807312	1.10
B45	A60	0807313	1.10	0807315	1.10
B46	A60	0807316	1.10	0807318	1.10
B51	A60	0807322	1.16	0807324	1.16
B52	A60	0807325	1.16	0807327	1.16
B53	A60	0807328	1.16	0807330	1.16
B54	A60	0807331	1.09	0807333	1.09
B55	A60	0807334	1.04	0807336	1.04
B61	A60	0807337	1.16	0807339	1.16
B62	A60	0807340	1.09	0807342	1.09
B63	A60	0807343	1.04	0807345	1.04
B64	A60	0807346	1.09	0807348	1.09
B65	A60	0807349	1.04	0807351	1.04
B70	A60	0807352	1.09	0807354	1.09
B71	A60	0807355	1.09	0807357	1.09
B72	A60	0807358	0.99	0807360	0.99
B73	A60	0807361	0.99	0807363	0.99
B74	A60	0807364	0.99	0807366	0.99
B81	A60	0807367	1.09	0807369	1.09
B82	A60	0807370	0.99	0807372	0.99
B90	A60	0807379	1.04	0807381	1.04
B91	A60	0807382	1.16	0807384	1.16
B92	A60	0807385	0.97	0807387	0.97
B93	A60	0807388	1.04	0807390	1.04
B95	A60	0807394	0.95	0807396	0.95
B96	A60	0807397	0.97	0807399	0.97
B97	A60	0807400	1.09	0807402	1.09
B101	A60	0807406	1.22	0807408	1.22
B102	A60	0807409	1.20	0807411	1.20
B103	A60	0807412	1.09	0807414	1.09
B104	A60	0807415	1.09		
B105	A60	0807418	1.04	0807420	1.04
B106	A60	0807421	1.04	0807423	1.04
B111	A60	0807424	1.16	0807426	1.16
B112	A60	0807427	1.09	0807429	1.09
B121	A60	0807433	1.09	0807435	1.09
B122	A60	0807436	1.09	0807438	1.09
B123	A60	0807439	0.97	0807441	0.97
B124	A60	0807442	0.97	0807444	0.97
B131	A60	0807448	0.85	0807450	0.85
B132	A60	0807451	0.85	0807453	0.85
B133	A60	0807454	0.95	0807456	0.95
B134	A60			0807459	0.85
B135	A60	0807460	0.85	0807462	0.85

Type 'W' Vitrified Points

High quality aluminum oxide to debur, grind, form, groove, and shape all kinds of metal, steel, hardened steel, ceramics, and wood.

All points are made of 60 or 80 medium grit. Many are available in both 1/8" and 1/4" diameter shanks. The shanks are all 1-1-2" long.

Blue is hard and pink is softest.

Shape	Dia.	Length	Shank Dia.	Blue		Pink	
				Part No.	Price /Ea	Part No.	Price /Ea
W141	3/32"	5/32"	1/8"	0807463	\$0.95	0807465	\$0.95
W142	3/32"	1/4"	1/8"	0807466	0.79	0807468	0.79
W143	1/8"	1/8"	1/8"	0807469	0.79	0807471	0.79
W144	1/8"	1/4"	1/8"	0807472	0.79	0807474	0.79
W145	1/8"	3/8"	1/8"	0807475	0.95	0807477	0.95
W146	1/8"	1/2"	1/8"	0807478	0.95	0807480	0.95
W151	3/16"	1/8"	1/8"	0807481	0.95	0807483	0.95
W152	3/16"	1/4"	1/8"	0807484	0.79	0807486	0.79
W153	3/16"	3/8"	1/8"	0807487	0.86	0807489	0.86
W154	3/16"	1/2"	1/8"	0807490	0.86		
W160	1/4"	1/4"	1/8"	0807502	0.79	0807504	0.79
W161	1/4"	5/16"	1/8"	0807505	0.95	0807507	0.95
W162	1/4"	3/8"	1/8"	0807508	0.85	0807510	0.85
W163	1/4"	1/2"	1/8"	0807511	0.85	0807513	0.85
W164	1/4"	3/4"	1/8"	0807514	0.92	0807516	0.92
W168	5/16"	5/16"	1/8"	0807526	0.95	0807528	0.95
W169	5/16"	3/8"	1/8"	0807529	0.95	0807531	0.95
W170	5/16"	1/2"	1/8"	0807532	0.85	0807534	0.85
W171	5/16"	3/4"	1/8"	0807535	0.92	0807537	0.92
W172	3/8"	1/16"	1/8"	0807538	0.95	0807540	0.95
W175	3/8"	3/8"	1/8"	0807547	0.85	0807549	0.85
W176	3/8"	1/2"	1/8"	0807550	0.85		
W177	3/8"	3/4"	1/8"	0807555	0.92		
W178	3/8"	1"	1/8"	0807560	0.97		
W178	3/8"	1"	1/4"	0807562	0.97	0807564	0.97
W179	3/8"	1-1/4"	1/4"	0807565	1.22	0807567	1.22
W181	1/2"	1/16"	1/8"	0807568	0.95	0807570	0.95
W182	1/2"	1/8"	1/8"	0807571	0.85	0807573	0.85
W183	1/2"	1/4"	1/8"	0807574	0.85	0807576	0.85
W184	1/2"	3/8"	1/8"	0807577	0.85		
W185	1/2"	1/2"	1/8"	0807582	0.85		
W185	1/2"	1/2"	1/4"	0807584	0.85	0807586	0.85
W186	1/2"	3/4"	1/8"	0807587	0.92	0807589	0.92
W186	1/2"	3/4"	1/4"	0807590	0.92		
W187	1/2"	1"	1/8"	0807592	0.97		
W187	1/2"	1"	1/4"	0807594	0.97	0807596	0.97
W188	1/2"	1-1/2"	1/4"	0807597	1.46	0807599	1.46
W189	1/2"	2-1/4"	1/4"	0807600	1.82	0807602	1.82
W191	5/8"	1/8"	1/8"	0807606	0.99	0807608	0.99
W196	5/8"	1"	1/4"	0807629	1.09	0807631	1.09
W197	5/8"	2"	1/4"	0807632	1.50	0807634	1.50
W200	3/4"	1/8"	1/8"	0807638	0.85	0807640	0.85
W201	3/4"	1/4"	1/8"	0807641	0.85	0807643	0.85
W203	3/4"	1/2"	1/8"	0807649	0.99	0807795	0.99
W203	3/4"	1/2"	1/4"	0807651	0.99	0807653	0.99
W204	3/4"	3/4"	1/8"	0807654	1.04	0807796	1.04
W204	3/4"	3/4"	1/4"	0807656	0.97	0807658	0.97
W205	3/4"	1"	1/4"	0807659	0.97	0807661	0.97
W206	3/4"	1-1/4"	1/4"	0807662	1.27	0807664	1.27
W208	3/4"	2"	1/4"	0807668	1.89	0807670	1.89
W215	1"	1/8"	1/8"	0807694	0.92	0807801	0.92
W215	1"	1/8"	1/4"	0807696	0.95	0807698	0.95
W216	1"	1/4"	1/8"	0807699	0.92	0807701	0.92
W216	1"	1/4"	1/4"	0807702	0.92	0807802	0.92
W217	1"	3/8"	1/4"	0807704	0.97	0807706	0.97
W218	1"	1/2"	1/4"	0807707	0.97	0807709	0.97
W220	1"	1"	1/4"	0807713	1.36	0807715	1.36
W222	1"	2"	1/4"	0807719	1.96	0807721	1.96
W223	1"	2-1/2"	1/4"	0807722	2.31	0807724	2.52
W225	1-1/4"	1/4"	1/4"	0807725	2.52	0807727	1.32
W227	1-1/4"	1/2"	1/4"	0807731	1.20	0807733	1.16
W229	1-1/4"	1"	1/4"	0807737	1.43	0807739	1.43

MOUNTED POINTS, QUICK CHANGE DISCS

Mounted Points Cont.



Shape	Diameter	Length	Shank Dia.	Blue		Pink	
				Part No.	Price /Ea	Part No.	Price /Ea
W230	1-1/4"	1-1/4"	1/4"	0807740	1.59	0807742	1.59
W232	1-1/4"	2"	1/4"	0807746	2.33	0807748	2.33
W235	1-1/2"	1/4"	1/4"	0807749	1.16	0807751	1.16
W236	1-1/2"	1/2"	1/4"	0807752	1.22	0807754	1.22
W237	1-1/2"	1"	1/4"	0807755	1.48	0807757	1.48
W238	1-1/2"	1-1/2"	1/4"	0807758	1.96	0807760	1.96
W242	2"	1"	1/4"	0807804	2.08	0807761	1.78
W244	2"	2"	1/4"	0807762	3.37	0807805	3.37

Resin Mounted Points

Resin bond mounted points excellent for heavy stock removal and metal fabrication, especially stainless steel. A favorite in the welding trade and at foundries with good shock absorbancy. Great at removing parting lines, small risers, and fins from castings.

1/4 x 1-1/2 Inch Spindle

Part No.	Shape	Grade	Grit	Length	Shank Dia.	Price /Ea
12 pc. Set*						
0807807	Various	Various	Various	Various	1/4"	\$29.95
1 pc.						
0807809	A1	A60B	Medium	2-1/2"	1/4"	3.86
0807810	A3	A60B	Medium	2-3/4"	1/4"	4.14
0807811	A11	A60B	Medium	2"	1/4"	3.09
0807812	W189	A60B	Medium	2"	1/4"	2.64
0807813	W197	A60B	Medium	2"	1/4"	2.69
0807814	W222	A60B	Medium	2"	1/4"	2.75
0807815	W242	A60B	Medium	1"	1/4"	2.75
0807816	A5	A60B	Medium	1-1/8"	1/4"	2.69
0807817	W207	A60B	Medium	1-1/2"	1/4"	2.27
0807818	W208	A60B	Medium	2"	1/4"	2.69
0807819	W220	A60B	Medium	1"	1/4"	2.07
0807820	W221	A60B	Medium	1-1/2"	1/4"	2.35

*Set includes one of each listed type.

Unitized Nylon Mounted Points

Grier-Brite is a nylon fiber abrasive for use in finishing, surface preparation, polishing, and very light deburring. Designed to provide long life, non-loading, not to disrupt critical tolerances.

Refer to ANSI B7.1-2000 for the safe operating speed.

1/8 x 1-1/2 Inch Spindle

Part No.	Shape	Grade	Grit	Length	Shank Dia.	Price /Ea
12 pc. Set*						
0807765	Various	Nylon Fiber	Various	Various	1/8"	\$49.95
1 pc.						
0807853	B52	Hard	Medium	3/4"	1/8"	4.53
0807854	B121	Hard	Medium	1/2"	1/8"	4.59
0807855	W185	Hard	Medium	1/2"	1/8"	4.09
0807856	B52	Hard	Coarse	3/4"	1/8"	4.73
0807857	B121	Hard	Coarse	1/2"	1/8"	4.79
0807858	W185	Hard	Coarse	1/2"	1/8"	4.29
0807859	B52	Med/Hard	Fine	3/4"	1/8"	4.43
0807860	B121	Med/Hard	Fine	1/2"	1/8"	4.49
0807861	W185	Med/Hard	Fine	1/2"	1/8"	3.99
0807862	W185	Medium	Fine	1/2"	1/8"	3.79
0807863	W185	Med/Hard	Fine	1/2"	1/8"	3.99
0807864	W185	Medium	Fine	1/2"	1/8"	3.83

*Set includes one of each listed type.

1/4 x 1-1/2 Inch Spindle

Part No.	Shape	Grade	Grit	Length	Shank Dia.	Price /Ea
12 pc. Set*						
0807766	Various	Nylon Fiber	Various	Various	1/8"	\$114.16
1 pc.						
0807865	A21	Med/Hard	Fine	1"	1/4"	11.04
0807866	A25	Med/Hard	Fine	1"	1/4"	10.98
0807867	W205	Med/Hard	Fine	1"	1/4"	7.56
0807868	W220	Med/Hard	Fine	1"	1/4"	9.57
0807869	A21	Hard	Coarse	1"	1/4"	12.65
0807870	A25	Hard	Coarse	1"	1/4"	12.59
0807871	W205	Hard	Coarse	1"	1/4"	8.66
0807872	W220	Hard	Coarse	1"	1/4"	11.18
0807873	A21	Med/Hard	Fine	1"	1/4"	11.18
0807874	A25	Med/Hard	Fine	1"	1/4"	11.14
0807875	W205	Med/Hard	Fine	1"	1/4"	7.66
0807876	W220	Med/Hard	Fine	1"	1/4"	9.73

*Set includes one of each listed type.

Cotton Fiber Mounted Points

- Quality cotton fiber impregnated with abrasive grain
- Designed for controlled deburring, blending and finishing
- Great operator control with superior surface finishes
- Excellent for use on stainless steel, aluminum and exotics
- Ideal for mold and die repair and maintenance

Mounted Point Kit

Part No.	Description	Price /Ea
0808419	Cotton Fiber Mounted Point Kit	\$93.38

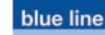
* Each kit includes one piece of each mounted point listed below.

Individual Mounted Points

Part No.	Size	Grit	Shank	Max. RPM	Price /Ea
0808420	A5	36	1/4" X 1-1/2"	38550	\$5.85
0808421	A12	36	1/4" X 1-1/2"	38050	3.44
0808422	B52	80	1/8" X 1-1/2"	64810	3.44
0808423	B121	80	1/8" X 1-1/2"	62420	3.44
0808424	W163	80	1/8" X 1-1/2"	59990	3.44
0808425	W177	80	1/8" X 1-1/2"	38640	3.44
0808426	W185	80	1/8" X 1-1/2"	42750	3.44
0808427	W220	36	1/4" X 1-1/2"	30370	3.44

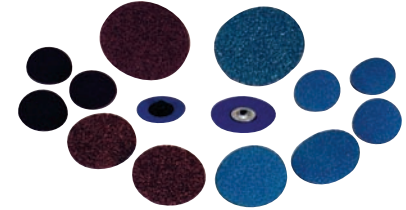


Quick Change Discs 2" to 3"



Quick Change Discs

- Strong abrasive disc laminated to a cloth backing with two styles of lock-on attachments.
- Attaches to locking style backup pad.
- Stock removal, finishing, deburring and blending of metal and other materials.
- Two attachment styles: Type 2 metal button replaces Standard Socatt® and type 3 plastic button replaces 3M Roloc®.



Type 2 Aluminum Oxide

Part No.	Diameter	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0200024	2"	180	100	1500	\$0.89
0200025	2"	320	100	1500	0.75
0200026	2"	40	100	1500	0.71
0200027	2"	50	100	1500	0.70
0200028	2"	60	100	1500	0.68
0200029	2"	100	100	1500	0.67
0200030	2"	120	100	1500	0.65
0200031	2"	150	100	1500	0.65
0200032	3"	24	50	750	1.15
0200033	3"	36	50	750	1.05
0200034	3"	50	50	750	1.02
0200035	3"	60	50	750	0.96
0200036	3"	80	50	750	0.94
0200037	3"	120	50	750	0.89
0200038	3"	150	50	750	0.89
0200039	3"	180	50	750	0.89

Type 2 Zirconia

Part No.	Diameter	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0204415	2"	24	100	1500	\$0.92
0204416	2"	36	100	1500	0.86
0204417	2"	50	100	1500	0.84
0204418	2"	60	100	1500	0.76
0204419	2"	80	100	1500	0.76
0204420	2"	120	100	1500	0.76
0204421	3"	24	50	750	1.32
0204422	3"	36	50	750	1.32
0204423	3"	50	50	750	1.21
0204424	3"	60	50	750	1.21
0204425	3"	80	50	750	1.15
0204426	3"	120	50	750	1.03

Type 3 Aluminum Oxide

Part No.	Diameter	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0200040	2"	24	100	1500	\$0.86
0200041	2"	36	100	1500	0.77
0200042	2"	50	100	1500	0.76
0200043	2"	60	100	1500	0.70
0200044	2"	80	100	1500	0.70
0200045	2"	120	100	1500	0.70
0200046	2"	150	100	1500	0.70
0200047	2"	180	100	1500	0.70
0200048	3"	24	50	750	1.14
0200049	3"	36	50	750	1.08
0200050	3"	50	50	750	1.04
0200051	3"	60	50	750	1.02
0200052	3"	80	50	750	0.96
0200053	3"	120	50	750	0.93
0200054	3"	150	50	750	0.93
0200055	3"	180	50	750	0.93

Mounted Points, Quick Change Discs

QUICK CHANGE DISCS

Quick Change Discs 2" to 3" Cont.



Type 3 Zirconia

Part No.	Diameter	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0204427	2"	24	100	1500	\$0.92
0205412	2"	36	100	1500	0.85
0205413	2"	50	100	1500	0.82
0205414	2"	60	100	1500	0.78
0205415	2"	80	100	1500	0.74
0205416	2"	120	100	1500	0.73
0205417	3"	24	50	750	1.27
0205418	3"	36	50	750	1.31
0205419	3"	50	50	750	1.20
0205420	3"	60	50	750	1.20
0205421	3"	80	50	750	1.14
0205422	3"	120	50	750	1.05

Quick Change Disc Backup Pads

- Reinforced rubber holder attached to a 1/4" metal shank with an internal locking hub for a Type 2 (Type S) or Type 3 (Type R) locking disc.
- 1/4" shank attaches to grinding tool and locking disc attaches to center hub.



Part No.	Description	Pkg. Qty.	Case Qty.	Price /Ea
0200056	Type 2 (S), 2"	1	10	\$13.33
0200057	Type 2 (S), 3"	1	10	14.45
0200058	Type 3 (R), 2"	1	10	13.60
0200059	Type 3 (R), 3"	1	10	14.71



Norton™ Speed-Lok Discs

Norton offers three tiers of product to choose from:

- Good:** Aluminum Oxide R228
- Better:** Norzon Plus Zirconia Aluminum R821
- Best:** Norton Ceramic Aluminum Oxide R981

Good: Metalite R228, Premium aluminum oxide abrasive, heavy weight cloth construction, X-wt. Cotton backing.



2", TS (Type 2) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822902	24	100	\$0.93
0822909	36	25/250	0.88
0822915	36	50	0.85
0822920	50	25/250	0.82
0822929	60	25/250	0.77
0822939	80	25/250	0.74
0822947	P80	100	0.75
0822950	120	100	0.75
0822955	150	100	0.75
0822957	180	100	0.75
0822959	24	100/500	0.75
0822960	240	100/500	0.75

3", TS (Type 2) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822962	24	50/500	\$1.24
0822969	36	50/500	1.13
0822976	40	50/500	1.09
0822981	50	50/500	1.03
0822990	60	50/500	0.97
0823001	80	50/500	0.97
0823009	100	50/500	0.93
0823011	120	50/500	0.93
0823015	150	50/500	0.93
0823018	180	50/500	0.93
0823022	240	50/500	0.93

2", TR (Type 3) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822901	24	100	\$0.93
0822908	36	25/250	0.88
0822914	40	100/500	0.85
0822919	50	25/250	0.82
0822928	60	25/250	0.77
0822938	80	25/250	0.74
0822946	100	100/500	0.75
0822949	120	100	0.75
0822954	150	100	0.75
0822956	180	100	0.75
0822958	240	100/500	0.75

3", TR (Type 3) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822961	24	50/500	\$1.24
0822968	36	50/500	1.13
0822975	40	50/500	1.09
0822980	50	50/500	1.03
0822989	60	50/500	0.97
0823000	80	50/500	0.97
0823008	100	50/500	0.93
0823010	120	50/500	0.93
0823014	150	50/500	0.92
0823017	180	50/500	0.93
0823021	240	50/500	0.92

Norton™ Speed-Lok Discs - Norzon Plus R821

Better: Norzon Plus R821 material is a self-sharpening zirconia alumina abrasive for cooler cutting and longer life. A heavy Y-wt backing provides extended durability and reduced edge wear. Ideal for Stainless Steel grinding.



2", TS (Type 2) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822904	24	100/500	\$1.01
0822911	36	100/500	0.94
0822922	50	100/500	0.92
0822932	60	100/500	0.85
0822942	80	100/500	0.85

3", TS (Type 2) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822964	24	50/500	\$1.36
0822971	36	50/500	1.25
0822983	50	50/500	1.15
0822993	60	50/500	1.09
0823004	80	50/500	1.09

2", TR (Type 3) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822903	24	100/500	\$1.01
0822910	36	100/500	0.94
0822921	50	100/500	0.92
0822931	60	100/500	0.85
0822941	80	100/500	0.85

3", TR (Type 3) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822963	24	50/500	\$1.36
0822970	36	50/500	1.25
0822982	50	50/500	1.15
0822992	60	50/500	1.09
0823003	80	50/500	1.09

Norton™ Speed-Lok Discs - Norton SG Ceramic R981

Best: Norton SG Ceramic R981 is a patented ceramic aluminum oxide abrasive that has an aggressive cut rate while maintaining sharpness throughout the life of the discs. A grinding aid coating provides long life and burn-free grinding of heat-sensitive materials. It also minimizes loading. A heavy Y-wt. backing gives extended durability and reduced edge-wear. Best for exotic and heat-sensitive materials.



2", TS (Type 2) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822913	36	100/500	\$1.09
0822924	50	100/500	1.03
0822934	60	100/500	0.97
0822944	80	100/500	0.95
0822953	120	100/500	0.93

3", TS (Type 2) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822973	36	50/500	\$1.42
0822985	50	50/500	1.36
0822995	60	50/500	1.28
0823006	80	50/500	1.28
0823013	120	50/500	1.26

2", TR (Type 3) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822912	36	100/500	\$1.09
0822923	50	100/500	1.03
0822933	60	100/500	0.97
0822943	80	100/500	0.95
0822952	120	100/500	0.93

3", TR (Type 3) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822972	36	50/500	\$1.42
0822984	50	50/500	1.36
0822994	60	50/500	1.28
0823005	80	50/500	1.28
0823012	120	50/500	1.26

Quick Change Discs 2" to 3" Cont.



Norton™ Speed-Lok Discs - SG 944

SG F944 is the choice for heavy stock removal. Patented Norton SG ceramic aluminum oxide mineral gives exceptional life and value. A heavy fibre backing give reduced edge wear for aggressive applications, and high productivity on hard to grind alloys.



2", TS (Type 2) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822906	36	100	\$1.29
0822917	50	100	1.22
0822926	60	100	1.15
0822936	80	100	1.09

3", TS (Type 2) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822966	36	25/250	\$1.66
0822978	50	25/250	1.52
0822987	60	25/250	1.45
0822998	80	25/250	1.36

2", TR (Type 3) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822905	36	100	\$1.36
0822916	50	100	1.27
0822925	60	100	1.19
0822935	80	100	1.11

3", TR (Type 3) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0822965	36	25/250	\$1.65
0822977	50	25/250	1.58
0822986	60	25/250	1.52
0822997	80	25/250	1.43

Norton™ Speed-Lok Discs - Surface Blending Discs

- Removes surface defects
- Remove light edge burrs, parting lines or flashing
- Removing rust, oxides, corrosion, paints and scale.
- Cleaning molds
- Blending mill marks, tool marks, or uneven edges.



2", TS (Type 2) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0824157	Coarse	50	\$1.37
0824158	Medium	50	1.37
0824159	Very Fine	100	1.37

3", TS (Type 2) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0824160	Coarse	25	\$2.55
0824161	Medium	25	2.55
0824162	Very Fine	25	2.55

2", TR (Type 3) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0824166	Coarse	50	\$1.37
0824167	Medium	50	1.37
0824168	Very Fine	50	1.37

3", TR (Type 3) Mount

Part No.	Grit	Pkg. Qty.	Price /Ea
0824169	Coarse	25	\$2.55
0824170	Medium	25	2.55
0824171	Very Fine	25	2.55

Quick Change Disc Backup Pads

- Reinforced rubber holder attached to a 1/4" metal shank with an internal locking hub for a Type 2 (Type S) or Type 3 (Type R) locking disc.

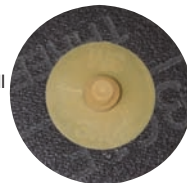


Part No.	Description	Pkg. Qty.	Case Qty.	Price /Ea
0204413		1	10	\$10.92
0200056	Type 2 (S), 2"	1	10	13.33
0200057	Type 2 (S), 3"	1	10	14.45
0204414		1	10	10.30
0200058	Type 3 (R), 2"	1	10	13.60
0200059	Type 3 (R), 3"	1	10	14.71



Scotch™ Roloc™ Cloth Disc 361F

General purpose grinding, blending and deburring on all metals: aluminum oxide on water resistant polyester backing.



Part No.	Size	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0200749	2"	36	100/500	200	\$0.87
0200750	2"	60	100/500	200	0.78
0200751	2"	80	100/500	200	0.75
0200752	2"	120	100/500	200	0.75
0200753	3"	36	50	200	1.14
0200754	3"	60	50	200	0.99
0200755	3"	80	50	200	0.99
0200756	3"	120	50	200	0.95

Scotch-Brite™ Roloc™ Surface Conditioning Discs

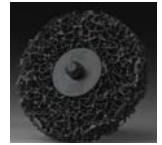
Provides a burr-free decorative surface suitable for painting or coating. These discs can also be used for removal of light rust, oxides and coatings.



Part No.	Size	Grit	Case Qty.	Price /Ea
0200757	2"	Coarse	200	\$1.21
0200758	2"	Medium	200	1.21
0200759	2"	Very Fine	200	1.21
0200760	2"	Coarse	100	2.30
0200761	3"	Medium	100	2.30
0200762	3"	Very Fine	100	2.30

Scotch-Brite™ Roloc™ Coating Removal Disc

Features 3M's popular clean and strip web with a Roloc button attached. This rugged open web is virtually non-loading to make surface preparation faster and easier. Aggressively tackles your toughest cleaning applications.



Part No.	Size	Grit	Case Qty.	Price /Ea
0200763	2"	Extra-Coarse	60	\$3.90
0200764	3"	Extra-Coarse	40	7.41
0200765	4"	Extra-Coarse	40	9.82

3M™ Roloc™ Disc Pads

Rubber backup pads for various grinding applications. Pads are internally threaded to receive any standard 1/4"-20 thread shaft.



Part No.	Size	Hardness	Price /Ea
0200772	1"	Medium	\$16.50
0819760	6" x 3/4" x 5/16"-24 Threaded Shank	Hard	16.50
0200773	3"	Medium	20.12
0819759	3"	Medium	20.12
0203687	1/4 threaded shank		2.78

BLACKSTONE™

Cotton Fiber Quick Change Discs

- Made with quality cotton fiber impregnated with abrasive grain
- Designed to grind and finish in one operation
- Excellent for light grinding, deburring and blending on stainless steel, aluminum and exotic metals
- Leaves smooth finishes, 54 grit will leave a finish equivalent to a food grade finish
- Non-loading on aluminum
- Outlasts other discs by 10:1
- Kits include ten pieces of each size/grit



Part No.	Size	Grit	Arbor	Type	Max. RPM	Price /Ea
0808387	2"	24,36,54,80	Threaded	Roloc	30000	\$58.50
0808388	2"	24,36,54,80	Twist-on	SocAtt	30000	58.50
0808389	3"	24,36,54,80	Threaded	Roloc	20000	67.50
0808390	3"	24,36,54,80	Twist-on	SocAtt	20000	67.50

Individual Discs

Part No.	Size	Grit	Arbor	Type	Max. RPM	Price /Ea
0808391	2"	24	Threaded	Roloc	30000	\$5.85
0808392	2"	36	Threaded	Roloc	30000	5.85
0808393	2"	54	Threaded	Roloc	30000	5.85
0808394	2"	80	Threaded	Roloc	30000	5.85
0808396	2"	24	Twist-on	SocAtt	30000	5.85
0808397	2"	36	Twist-on	SocAtt	30000	5.85
0808398	2"	54	Twist-on	SocAtt	30000	5.85
0808399	2"	80	Twist-on	SocAtt	30000	5.85
0808401	3"	24	Threaded	Roloc	20000	3.44
0808402	3"	36	Threaded	Roloc	20000	3.44
0808403	3"	54	Threaded	Roloc	20000	3.44
0808404	3"	80	Threaded	Roloc	20000	3.44
0808406	3"	24	Twist-on	SocAtt	20000	3.44
0808407	3"	36	Twist-on	SocAtt	20000	3.44
0808408	3"	54	Twist-on	SocAtt	20000	3.44
0808409	3"	80	Twist-on	SocAtt	20000	3.44

Rubber Holders

Part No.	Size	Type	Max. RPM	Price /Ea
0808395	2"	Roloc	30000	\$7.27
0808400	2"	SocAtt	30000	5.83
0808405	3"	Roloc	20000	8.28
0808410	3"	SocAtt	20000	8.28

FIBRE SANDING DISCS

Fibre Sanding Discs



Resin Fiber Sanding Discs

- Arbor hole grinding discs made with 0.030 thick vulcanized fiber backing.
- Bolted to backup pad on a right angle grinder.
- Removes welds and imperfections along with stock removal, blending and finishing.



Aluminum Oxide

Part No.	Size	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0200128	4"	24	25	100	\$1.20
0200129	4"	36	25	100	1.19
0200130	4"	50	25	100	1.11
0200131	4"	60	25	100	1.04
0200132	4"	80	25	100	0.98
0200133	4"	100	25	100	0.98
0200134	4"	120	25	100	0.95
0200135	4-1/2"	24	25	100	1.23
0200136	4-1/2"	36	25	100	1.18
0200137	4-1/2"	50	25	100	1.18
0200138	4-1/2"	60	25	100	1.09
0200139	4-1/2"	80	25	100	1.08
0200140	4-1/2"	100	25	100	1.08
0200141	4-1/2"	120	25	100	1.08
0200142	5"	16	25	100	1.44
0200143	5"	24	25	100	1.38
0200144	5"	36	25	100	1.22
0200145	5"	50	25	100	1.11
0200146	5"	60	25	100	1.09
0200147	5"	80	25	100	1.07
0200148	5"	100	25	100	1.07
0200149	5"	120	25	100	1.07
0200150	7"	16	25	100	2.26
0200151	7"	24	25	100	2.07
0200152	7"	36	25	100	1.89
0200153	7"	50	25	100	1.68
0200154	7"	60	25	100	1.73
0200155	7"	80	25	100	1.64
0200156	7"	100	25	100	1.59
0200157	7"	120	25	100	1.59
0200158	9"	16	25	100	3.50
0200159	9"	24	25	100	3.28
0200160	9"	36	25	100	3.16
0200164	9"	50	25	100	3.08
0200165	9"	60	25	100	2.96
0200166	9"	80	25	100	2.81
0200167	9"	100	25	100	2.81
0200168	9"	120	25	100	2.59

Zirconia

Part No.	Size	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0200169	4 1/2x7/8	24	25	100	\$1.54
0200170	4 1/2x7/8	36	25	100	1.43
0200171	4 1/2x7/8	50	25	100	1.32
0200172	4 1/2x7/8	60	25	100	1.21
0200173	4 1/2x7/8	80	25	100	1.17
0200174	5x7/8	24	25	100	1.60
0200175	5x7/8	36	25	100	1.49
0200176	5x7/8	50	25	100	1.38
0200177	5x7/8	60	25	100	1.27
0200178	5x7/8	80	25	100	1.22
0200179	7x7/8	24	25	100	2.67
0200180	7x7/8	36	25	100	2.36
0200181	7x7/8	50	25	100	2.26
0200182	7x7/8	60	25	100	2.13
0200183	7x7/8	80	25	100	2.08

Ceramic Resin Fibre Sanding Discs

Ceramic discs are used in medium and heavy duty metal removal applications, including stainless steels and high nickel alloys. Ceramic discs will maintain their sharpness longer, resist glazing and loading and have a longer working life than conventional discs.

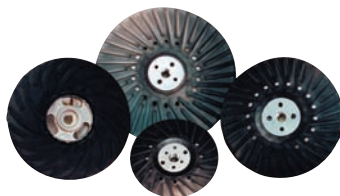


Ceramic

Part No.	Diameter	Grit	Price /Ea
0825411	4-1/2"	24	\$2.56
0825412	4-1/2"	36	2.56
0825413	4-1/2"	50	2.38
0825414	4-1/2"	60	2.28
0825415	4-1/2"	80	2.13
0825416	5"	24	2.60
0825417	5"	36	2.55
0825418	5"	50	2.38
0825419	5"	60	2.28
0825420	5"	80	2.13
0825421	7"	24	3.01
0825422	7"	36	2.97
0825423	7"	50	2.76
0825424	7"	60	2.63
0825425	7"	80	2.48

Resin Fiber Disc Backup Pads

- Durable polyurethane support pads for resin fiber discs.
- Attaches to right angle grinder.
- Used as a backup pad providing support for resin fiber discs.

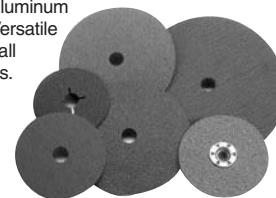


Part No.	Type	Size	Case Qty.	Price /Ea
0200187	Poly urethane	4" x M10 x 1.25	10	\$18.73
0200188	Poly urethane	4" x 3/8-24	10	20.13
0200189	Poly urethane	4-1/2" x 5/8-11	10	20.23
0200190	Poly urethane	5" x 5/8-11	10	22.66
0200191	Poly urethane	7" x 5/8-11	10	30.03
0200192	Poly urethane	9" x 5/8-11	10	58.72



Gemini Metalite F226—Aluminum Oxide Fibre Discs

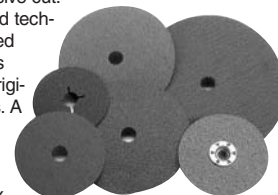
Tough, durable aluminum oxide abrasive. Versatile performance for all MRO applications.



Part No.	Size	Grit	Price /Ea
0823046	4-1/2"	24	\$1.67
0823050	4-1/2"	36	2.00
0823054	4-1/2"	50	1.52
0823058	4-1/2"	60	1.37
0823062	4-1/2"	80	1.33
0823066	4-1/2"	100	1.33
0823068	4-1/2"	120	1.33
0823163	5"	16	2.52
0823164	5"	24	1.94
0823166	5"	36	1.96
0823169	5"	50	1.88
0823170	5"	60	1.81
0823172	5"	80	1.69
0823173	5"	100	1.69
0823174	5"	120	1.69
0823285	7"	16	2.98
0823288	7"	24	2.34
0823291	7"	36	2.26
0823294	7"	50	2.16
0823297	7"	60	2.01
0823300	7"	80	1.92
0823303	7"	100	1.92
0823306	7"	120	1.92

Norton Plus F826—Zirconia Alumina Fiber Discs

Premium self-sharpening zirconia aluminum abrasive for fast, aggressive cut. Advanced resin bond technology with enhanced grain adhesion gives extended life over original Norton products. A champion on stainless and alloy, and when under high pressure. 25 per box, 100 per case.



Part No.	Size	Grit	Price /Ea
0823047	4-1/2"	24	\$2.39
0823051	4-1/2"	36	2.36
0823055	4-1/2"	50	2.12
0823059	4-1/2"	60	2.02
0823063	4-1/2"	80	1.82
0823175	5"	24	2.85
0823178	5"	36	2.83
0823181	5"	50	2.54
0823183	5"	60	2.39
0823186	5"	80	2.16
0823309	7"	24	3.53
0823312	7"	36	3.44
0823315	7"	50	3.11
0823318	7"	60	2.96
0823321	7"	80	2.64

FIBRE SANDING DISCS, PSA DISCS

Fibre Sanding Discs Cont.



GreenLyte Plus SG F986

Patented Norton SG ceramic aluminum oxide provides exceptional life and value. Grinding aid enhanced to give superior life on stainless steel, bronze and aluminum. The choice for heavy stock removal.



Part No.	Size	Grit	Price /Ea
0823048	4-1/2"	24	\$3.70
0823052	4-1/2"	36	3.57
0823056	4-1/2"	50	3.31
0823060	4-1/2"	60	3.13
0823064	4-1/2"	80	2.80
0823189	5"	24	4.40
0823190	5"	36	4.29
0823191	5"	50	4.05
0823192	5"	60	3.80
0823193	5"	80	3.45
0823324	7"	24	5.08
0823325	7"	36	4.95
0823326	7"	50	4.63
0823327	7"	60	4.40
0823328	7"	80	3.94

Resin Fiber Disc Cutter

- Hand operated all metal fiber disc trimmer.
- Single disc insert- and rotary trimmed.
- Trims fiber discs to a smaller diameter exposing new grain.
- Can trim any 7/8" arbor hole fiber disc to a smaller size.



Part No.	Type	Case Qty.	Price /Ea
0200184	Disc Cutter	1	\$221.20
0200185	Upper Cutting Wheel	1	31.17
0200186	Lower Cutting Wheel	1	31.17

3M 3M™ Fibre Discs 485C

Developed specifically for stainless steel grinding and blending. This special blend of Cubitron™ abrasive grain and aluminum oxide minerals with a grinding aid was precisely designed for stainless steel but is also suitable for some combinations of stainless steel and carbon steel. Proven performer for stainless steel fabrication, food service and restaurant equipment, dairy equipment and food products machinery.



Part No.	Size	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0821349	4-1/2"	36	100	100	\$3.24
0821350	4-1/2"	50	100	100	3.03
0821351	4-1/2"	60	100	100	2.89
0821352	4-1/2"	80	100	100	2.70
0200731	5"	36	25	100	2.98
0200732	5"	50	25	100	2.78
0200733	5"	80	25	100	2.48
0200734	7"	36	25	100	3.37
0200747	7"	50	25	100	3.13
0200748	7"	80	25	100	2.80

3M™ Fibre Disc 281C

General purpose disc for weld removal, grinding and blending



Part No.	Size	Grade	Case Qty.	Max. RPM	Price /Ea
0819853	4-1/2"	24	25	13,300	\$1.34
0819854	4-1/2"	36	25	13,300	1.31
0819855	4-1/2"	50	25	13,300	1.22
0819856	4-1/2"	60	25	13,300	1.16
0819857	4-1/2"	80	25	13,300	1.09
0819858	5"	24	25	12,000	1.34
0819859	5"	36	25	12,000	1.31
0819860	5"	50	25	12,000	1.22
0819861	5"	60	25	12,000	1.16
0819862	5"	80	25	12,000	1.09
0819863	5"	100	25	12,000	1.09
0819864	5"	120	25	12,000	1.09
0819865	7"	24	25	8,600	1.83
0819866	7"	36	25	8,600	1.80
0819867	7"	50	25	8,600	1.66
0819868	7"	60	25	8,600	1.59
0819869	7"	80	25	8,600	1.49
0819870	7"	100	25	8,600	1.49
0819871	7"	120	25	8,600	1.49

3M™ Fibre Disc 501C

Premium mineral for fast, cool grinding on all metals.



Part No.	Size	Grade	Case Qty.	Max. RPM	Price /Ea
0819240	4-1/2"	24	100	13,300	\$2.09
0819244	4-1/2"	36	100	13,300	2.06
0819245	4-1/2"	50	100	13,300	1.92
0819246	4-1/2"	60	100	13,300	1.83
0819247	4-1/2"	80	100	13,300	1.70
0819248	4-1/2"	100	100	13,300	1.70
0819249	4-1/2"	120	100	13,300	1.70
0819241	5"	24	100	12,000	2.09
0819243	5"	36	100	12,000	2.06
0819250	5"	50	100	12,000	1.92
0819251	5"	60	100	12,000	1.83
0819252	5"	80	100	12,000	1.70
0819253	5"	100	100	12,000	1.70
0819254	5"	120	100	12,000	1.86
0819242	7"	24	100	8,600	2.86
0819256	7"	36	100	8,600	2.80
0819255	7"	50	100	8,600	2.61
0819257	7"	60	100	8,600	2.48
0819258	7"	80	100	8,600	2.34
0819259	7"	100	100	8,600	2.25
0819260	7"	120	100	8,600	2.55

3M™ Flap Discs 747D

Premium ceramic mineral provides exceptional cut and life on the hardest metals



Part No.	Size	Grade	Max. RPM	Pkg. Qty.	Price /Ea
0819018	4-1/2" x 7/8"	36	13,300	10	\$8.20
0819019	4-1/2" x 7/8"	50	13,300	10	8.20
0819207	4-1/2" x 7/8"	60	13,300	10	8.20
0819020	4-1/2" x 7/8"	80	13,300	10	8.20
0819208	4-1/2" x 7/8"	120	13,300	10	8.20
0819202	7" x 7/8"	36	8,600	5	15.74
0819203	7" x 7/8"	50	8,600	5	15.74
0819204	7" x 7/8"	60	8,600	5	15.74
0819205	7" x 7/8"	80	8,600	5	15.74
0819206	7" x 7/8"	120	8,600	5	15.74

PSA Discs and Holders



SIASTIK® (Cloth) PSA Discs

- Individually cut discs with pressure sensitive adhesive (PSA), directly coated to "X" weight abrasive cloth. Each disc includes a protective peel off liner.
- Self adhesive disc adheres to backup pad.
- Grinding, blending, finishing in a wide range of applications.



Part No.	Size	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0205431	3"	24	100	500	\$0.61
0205432	3"	36	100	500	0.57
0205433	3"	50	100	500	0.55
0205434	3"	60	100	500	0.52
0205435	3"	80	100	500	0.49
0205436	3"	80	100	500	0.47
0205437	3"	150	100	500	0.47
0205438	3"	180	100	500	0.47
0205439	5"	24	50	250	1.44
0200193	5"	36	50	250	1.29
0205440	5"	50	50	250	1.06
0200194	5"	60	50	250	1.06
0200195	5"	80	50	250	0.98
0200196	5"	120	50	250	0.87
0205441	5"	150	50	250	0.97
0205442	5"	180	50	250	0.97
0205443	6"	24	50	250	1.94
0200197	6"	36	50	250	1.72
0205444	6"	50	50	250	1.51
0200198	6"	60	50	250	1.43
0200199	6"	80	50	250	1.33
0200200	6"	120	50	250	1.33
0205445	6"	150	50	250	1.24
0205446	6"	180	50	250	1.32
0205447	12"	24	10	50	8.36
0200201	12"	36	10	50	7.56
0205448	12"	50	10	50	6.45
0200202	12"	60	10	50	6.46
0200203	12"	60	10	50	6.18
0200204	12"	120	10	30	6.22
0205449	12"	150	10	50	5.53
0205450	12"	180	10	50	5.75
0205451	16"	24	10	50	12.97
0205452	16"	120	10	50	12.03
0205453	16"	50	10	50	10.66
0205454	16"	36	10	50	10.38
0205455	16"	60	10	50	9.96
0205456	16"	120	10	10	9.49
0205457	16"	150	10	50	9.49
0205458	16"	180	10	50	9.68
0205459	24"	24	10	10	32.41
0205460	24"	36	10	10	28.12
0205461	24"	50	10	10	25.13
0205462	24"	60	10	10	23.20
0205463	24"	80	10	10	21.43
0205464	20"	120	10	10	21.31
0205465	24"	150	10	10	20.89
0205466	24"	180	10	10	20.89

Abrasive Discs

PSA DISCS AND HOLDERS

PSA Discs and Holders Cont.



blue line

SIALINK® (Paper) PSA Disc Rolls

- Heavy "C" weight paper discs made from aluminum oxide with non-loading stearate. Pressure sensitive adhesive (PSA) backing with a protective release liner on every linked pull apart disc.
- Tear, then stick self adhesive disc to backup pad and then attach to a high speed grinder or orbital sander.
- Ideal for finish sanding of woods, paints, metal and plastic.
- 100 discs per roll.



Part No.	Size	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0200205	5"	80	1	10	\$32.32
0200206	3"	120	1	10	29.13
0200207	5"	120	1	10	29.13
0200208	5"	120	1	10	29.13
0200209	5"	150	1	10	29.13
0200210	5"	180	1	10	29.13
0200211	5"	220	1	10	29.13
0200212	5"	36	1	10	29.74
0200213	6"	80	1	10	43.26
0200214	6"	100	1	10	38.21
0200215	6"	120	1	10	38.21
0200216	6"	150	1	10	38.21
0200217	6"	180	1	10	38.21
0200218	6"	220	1	10	38.21
0200219	6"	320	1	10	38.21
0200220	6"	400	1	10	38.21

SIAFAST® Hook 'n Loop Discs

- Heavy "C" weight paper discs made from aluminum oxide with non-loading stearate. Hook 'n loop cloth backing allows easy use and removal.
- Disc grips to backup pad and attaches to a high speed or orbital vacuum sander.
- Ideal for finish sanding of woods, paints, metal and plastic.



Part No.	Size	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0200223	5" x 5" Hole	80	100	800	\$0.72
0200224	5" x 5" Hole	100	100	800	0.68
0200225	5" x 5" Hole	120	100	800	0.68
0200226	5" x 5" Hole	150	100	800	0.68
0200227	5" x 5" Hole	180	100	800	0.68
0200228	5" x 5" Hole	220	100	800	0.68
0200229	5" x 5" Hole	320	100	800	0.68
0200230	5" x 5" Hole	400	100	800	0.68
0200231	5" x 8" Hole	80	100	800	0.62
0200232	5" x 8" Hole	100	100	800	0.68
0200233	5" x 8" Hole	120	100	800	0.68
0200234	5" x 8" Hole	150	100	800	0.68
0200235	5" x 8" Hole	180	100	800	0.68
0200236	5" x 8" Hole	220	100	800	0.68
0200237	5" x 8" Hole	320	100	800	0.68
0200238	5" x 8" Hole	400	100	800	0.68
0200239	6" x 6" Hole	80	100	800	0.90
0200240	6" x 6" Hole	100	100	800	0.83
0200241	6" x 6" Hole	120	100	800	0.83
0200246	6" x 6" Hole	180	100	800	0.83
0200247	6" x 6" Hole	220	100	800	0.83
0200248	6" x 6" Hole	320	100	800	0.83
0200249	6" x 6" Hole	400	100	800	0.83
0200250	6" x 8" Hole	80	100	800	0.83
0200251	6" x 8" Hole	100	100	800	0.83
0200252	6" x 8" Hole	120	100	800	0.83
0200253	6" x 8" Hole	150	100	800	0.83
0200254	6" x 8" Hole	180	100	800	0.83
0200255	6" x 8" Hole	220	100	800	0.83
0200256	6" x 8" Hole	320	100	800	0.83
0200257	6" x 8" Hole	400	100	800	0.83

SIALINK® Backup Pads

- Made with a hard plastic support pad, medium density foam center and smooth vinyl face.
- Attaches to a high speed or orbital sander. Designed specifically for attaching CAPLINK® paper PSA discs.
- Used as a backup pad providing support for paper PSA discs.



Part No.	Description	Pkg. Qty.	Case Qty.	Price /Ea
0200221	5" dia. x5/16" - 24 thread	1	1	\$23.14
0200222	6" dia. x5/16" - 24 thread	1	1	28.87



3M™ PSA Discs 248D

Aluminum Oxide - X wt. Cloth Heavy Duty cloth-backed discs for more aggressive applications. Provides excellent adhesion while removing easily.



Part No.	Diameter	Grade	Case Qty.	Price /Ea
0819888	12"	P36	10	\$6.96
0819887	12"	P40	10	6.57
0819886	12"	P50	10	6.20
0819885	12"	P60	10	5.84
0819884	12"	P80	10	5.51
0819883	12"	P100	50	5.20
0819878	16"	P36	50	19.75
0819877	20"	P40	10	18.64
0819876	20"	P50	10	17.58
0819875	20"	P60	10	16.60
0819874	20"	P80	10	15.65



Non-Woven Nylon Surface Conditioning Discs Cont.



3M Stikit™ PSA Disc Rolls 415U

Silicon Carbide - A wt. Paper

- General purpose discs for metal, wood and fiber-glass sanding
- Special Fre-cut coating resists loading
- Unique construction provides excellent finish

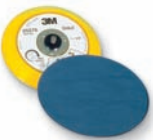


Part No.	Diameter	Grade	Pkg. Qty.	Case Qty.	Price /Ea
0819803	5"	P80	1	4	\$38.57
0819805	6"	P100	1	8	35.61
0819807	5"	P120	1	8	35.61
0819809	5"	P150	1	8	71.22
0819811	5"	P180	1	4	71.22
0819813	5"	P220	1	4	71.22
0819804	6"	P80	1	4	52.58
0819806	6"	P100	1	8	48.53
0819808	6"	P120	1	8	48.53
0819810	6"	P150	1	8	97.11
0819812	6"	P180	1	4	97.11
0819814	6"	P220	1	4	97.11

PSA Discs Accessories

Stikit™ Disc Pads

Lightweight pads have vinyl face for excellent disc adhesion with quick, easy disc removal. For use with Stikit™ Discs and PSA Disc Roll 316U.



Part No.	Size	Price /Ea
0819392	7"	\$26.57
0819393	5"	29.70



Non-woven Hook 'n Loop Discs

- Non-woven, compressible nylon fibers impregnated with aluminum oxide grain with nylon hook 'n loop backing.
- Attaches to hook 'n loop style backup pad, shown below, on a high speed grinder.
- Stock removal, finishing, deburring, and blending of metal and other materials.
- Available in four grades: coarse (brown), medium (maroon), ultra fine (gray) and very fine (blue).



Part No.	Size	Grade	Pkg. Qty.	Case Qty.	Price /Ea
0200095	2"	Coarse	50	100	\$0.82
0200096	2"	Medium	50	100	1.08
0200097	2"	Very Fine	50	100	1.08
0200098	3"	Coarse	25	50	1.94
0200099	3"	Medium	25	50	1.60
0200100	3"	Very Fine	25	50	1.55
0200101	4"	Coarse	25	50	3.55
0200102	4"	Medium	25	50	3.01
0200103	4"	Very Fine	25	50	2.84
0200104	4-1/2"	Coarse	25	50	4.12
0200105	4-1/2"	Medium	25	50	3.43
0200106	4-1/2"	Very Fine	25	50	3.43
0200107	5"	Coarse	10	30	4.81
0200108	5"	Medium	10	30	4.02
0200109	5"	Very Fine	10	30	4.02
0200110	6"	Coarse	10	30	6.86
0200111	6"	Medium	10	30	5.60
0200112	6"	Very Fine	10	30	5.58
0200113	7"	Coarse	10	30	8.07
0200114	7"	Medium	10	30	6.98
0200115	7"	Very Fine	10	30	6.98
0200116	8"	Coarse	10	30	10.37
0200117	8"	Medium	10	30	8.64
0200118	8"	Very Fine	10	30	8.64

Non-woven Hook 'n Loop Backup Pads

- Made with a hard plastic support pad, medium density foam center and hook 'n loop face. Available with shank or thread attachment.
- Attaches to a high speed grinder. Backup pad is designed specifically for non-woven hook 'n loop discs.



Part No.	Size	Price /Ea
0200119	2 x 1/4"	\$11.37
0200120	3 x 1/4"	11.93
0200121	4 x 3/8-24"	22.73
0200122	4 x M10 x 1.25"	21.30
0200123	4-1/2 x 5/8-11"	21.34
0200124	5 x 5/8-11"	22.43
0200125	6 x 5/8-11"	25.34
0200126	7 x 5/8-11"	28.25
0200127	8 x 5/8-11"	32.67



Norton Bear-Tex Surface Blending Discs

- For use on a variety of electric and air powered tools to deburr, clean, blend and finish.
- Removing surface defects
- Removing light edge burrs, parting lines or flashing
- Removing rust, oxides, corrosion, paints and scale
- Cleaning molds
- Blending mill marks, tool marks or uneven edges



Part No.	Diameter	Grit	Color	Case Qty.	Price /Ea
0824136	3"	Coarse	Brown	60	\$2.34
0824137	3"	Medium	Maroon	60	2.34
0824138	3"	Very fine	Blue	60	2.34
0824139	4"	Coarse	Maroon	100	3.21
0824140	4"	Medium	Brown	50	2.98
0824141	4"	Very fine	Maroon	40	2.98
0824142	4-1/2"	Coarse	Maroon	100	3.56
0824143	4-1/2"	Medium	Brown	40	3.16
0824144	4-1/2"	Very fine	Maroon	50	3.16
0824145	5"	Coarse	Maroon	50	4.28
0824146	5"	Medium	Brown	40	3.74
0824147	5"	Very fine	Maroon	30	3.74
0824151	7"	Coarse	Blue	10	7.36
0824152	7"	Medium	Brown	30	6.47
0824153	7"	Very fine	Maroon	30	6.47



Scotch-Brite™ Surface Conditioning Discs Hook and Loop

Best for finish, cleaning, and light deburring on flat metal surfaces. Used on right angle drills, orbital sanders and dual action power hand tools.



Part No.	Size	Grit	Color	Case Qty.	Price /Ea
0819090	2"	Coarse	Brown	50	\$1.10
0819091	2"	Medium	Maroon	50	0.97
0819062	2"	Very Fine	Blue	50	0.97
0819004	2"	Coarse	Brown	100	2.15
0819057	3"	Medium	Maroon	100	1.90
0819063	3"	Very fine	Blue	100	1.90
0200774	3"	Coarse	Brown	100	3.28
0200775	3"	Medium	Maroon	50	2.88
0200776	4"	Very Fine	Blue	100	2.88
0820231	4"	Coarse	Brown	25	3.20
0820232	4"	Medium	Maroon	100	2.80
0820201	4-1/2"	Very Fine	Blue	100	2.80
0200777	4-1/2"	Coarse	Brown	40	3.81
0200778	4-1/2"	Medium	Maroon	50	3.35
0200779	5"	Very Fine	Blue	50	3.35
0819045	6"	Coarse	Brown	15	6.55
0819041	7"	Medium	Maroon	25	5.75
0819070	7"	Very Fine	Blue	10	5.75

Surface Conditioning Disc Holders Hook and Loop

For use with Scotch-Brite™ surface conditioning discs.



Part No.	Size	Mount	Price /Ea
0819021	5" x 5/8"-11	1/4" shank	\$5.73
0819058	3"	1/4" shank	6.66
0820234	4"	1/4" Shank	8.25
0819022	5" x 5/8"-11	5/8"-11 Internal	27.62
0819026	4" x 3/8"-24	5/8"-11 Internal	25.37
0819081	4-1/2"	5/8"-11 internal	25.37
0820222	2-1/2"	5/8"-11 Internal	26.03

Scotch-Brite™ Coating Removal Discs Hook and Loop

The coating removal disc features our popular clean and strip web for right angle tools. This rugged open web is virtually non-loading to make surface preparation faster and easier. Aggressively tackles your toughest cleaning jobs.



Part No.	Size	Grit	Case Qty.	Price /Ea
0200780	4-1/2"	Super extra-coarse	40	\$9.16
0200781	5"	Super extra-coarse	40	10.96

Scotch-Brite™ Clean and Strip Discs

Scotch-Brite discs are surface conditioning material web cut into circular discs. Applications include stripping paint from metal surfaces, removing coatings and preparing surfaces for recoating, cleaning concrete molds and forms and general plant maintenance.



Part No.	Size	Case Qty.	Price /Ea
0200782	4"	40	\$9.00
0819046	6"	30	15.01

SURFACE CONDITIONING DISCS, FLAP DISCS

Non-Woven Nylon Surface Conditioning Discs Cont.



Scotch-Brite™ High Strength Discs

Very conformable discs, ideal for light deburring, cleaning and finishing.



Part No.	Size	Grade	Case Qty.	Price /Each
0819200	6" x 1/4"	A VFN	40	\$2.66
0819197	6" x 1/2"	A Med	40	5.30

Mandrels

Mandrels are corrosion protected and machined to industrial standards for thread size and shaft diameters. Furnished complete with washers to fit available disc sizes.



Part No.	Size	Use With	Model No.	Price /Ea
0200783	1/4" shaft x 1/4" shank	2"-3" discs	933	\$8.77
0200784	1/2" shaft x 1/4" shank	3"-6" discs	934	31.70

Flap Discs and Flap Wheels

Flap Discs

Type 29 High Density (Fiberglass Back)

Fastenal offers a complete line of flap discs designed to grind, blend & finish in one operation saving you time and money.

Fastenal is proud to carry such brands as Blackstone, Norton, sia and Weiler.



		Blackstone		SIA	
Size	Grit	Part No.	Price /Ea	Part No.	Price /Ea
4-1/2" x 7/8"	36	0825373	\$9.99		
4-1/2" x 7/8"	40	0200422	10.29	0838450	\$10.50
4-1/2" x 7/8"	60	0200423	10.29	0838451	10.50
4-1/2" x 7/8"	80	0200424	10.29	0838452	10.50
4-1/2" x 5/8"-11	36	0825374	11.99		
4-1/2" x 5/8"-11	40	0825375	11.99	0800794	12.50
4-1/2" x 5/8"-11	60	0825376	11.99	0800795	12.50
4-1/2" x 5/8"-11	80	0825377	11.99	0800796	12.50
7" x 7/8"	36	0825378	15.99		
7" x 7/8"	40	0200425	15.99		
7" x 7/8"	60	0200426	15.99		
7" x 7/8"	80	0200427	15.99		

Type 27 High Density (Fiberglass Back)



		Norton Charger R822		Weiler Tiger Disc for S/S	
Size	Grit	Part No.	Price /Ea	Part No.	Price /Ea
4-1/2" x 7/8"	40	0824701	\$17.97	5138-50803	12.86
4-1/2" x 7/8"	60	0824702	17.97	5138-50804	12.17
4-1/2" x 7/8"	80	0824703	17.97	5138-50805	11.31
4-1/2" x 7/8"	120			5138-50806	11.79
4-1/2" x 5/8"-11	40	0824698	19.65		
4-1/2" x 5/8"-11	60	0824699	19.65	0800642	11.46
4-1/2" x 5/8"-11	80	0824700	19.65	0800643	11.46
7" x 7/8"	40	0824704	33.43		
7" x 7/8"	60	0824705	33.43		
7" x 7/8"	80	0824706	33.43		
7" x 5/8"-11	40	0824707	37.58		
7" x 5/8"-11	60	0824708	37.58		
7" x 5/8"-11	80	0824709	37.58		



Type 29 Standard Density (Fiberglass Back Unless Noted)



		Blackstone		Weiler Tiger Disc Aluminum Back		Weiler Tiger Disc Plastic Back		SIA		Norton Charger R822		Norton Twinfiber	
Size	Grit	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
4" x 5/8"	36											0825083	\$13.29
4" x 5/8"	40	0281246	\$4.99					0800780	\$5.99	0825082	13.29		
4" x 5/8"	60	0281247	4.99					0800781	5.99	0825081	13.29		
4" x 5/8"	80							0800782	5.99	0825080	13.29		
4" x 5/8"	120									0825079	13.29		
4-1/2" x 7/8"	24			0800631	\$7.93					0825089	14.94		
4-1/2" x 7/8"	36	0281248	6.99	0800632	7.93					0825088	14.94	0826745	\$10.46
4-1/2" x 7/8"	40	0818987	6.99	0800633	7.93	0800644	\$7.70	0205467	5.14	0825087	14.94	0826746	10.46
4-1/2" x 7/8"	60	0281249	6.99	5138-50514	10.88	0800645	7.70	0205468	5.14	0825086	14.94	0826747	10.46
4-1/2" x 7/8"	80	0281250	6.99	0800634	7.93	0800646	7.70	0205469	5.14	0825085	14.94	0826748	10.46
4-1/2" x 7/8"	120			0800635	7.93	0800647	7.70	0800789	8.70	0825084	14.94	0826749	10.46
4-1/2" x 5/8"-11	24			0800636	9.15					0825113	16.40		
4-1/2" x 5/8"-11	36	0818988	8.75	0800637	9.15					0825112	16.40		
4-1/2" x 5/8"-11	40	0818989	8.75	0800638	9.15			0800783	9.25	0825111	16.40		
4-1/2" x 5/8"-11	60	0818990	8.75	0800639	9.15			0800785	9.25	0825110	16.40		
4-1/2" x 5/8"-11	80	0818991	8.75	0800640	9.15			0800787	9.25	0825109	16.40		
4-1/2" x 5/8"-11	120			0800641	9.15			0800790	9.25	0825108	16.40		
5" x 7/8"	24									0825095	16.69		
5" x 7/8"	36									0825094	16.69		
5" x 7/8"	40									0825093	16.69		
5" x 7/8"	60									0825092	16.69		
5" x 7/8"	80									0825091	16.69		
5" x 7/8"	120									0825090	16.69		
7" x 7/8"	24									0825101	27.88		
7" x 7/8"	36	0281251	13.99							0825100	27.88	0826750	19.47
7" x 7/8"	40	0818684	13.99							0825099	27.88	0826751	19.47
7" x 7/8"	60	0281252	13.99							0825098	27.88	0826752	19.47
7" x 7/8"	80	0818992	13.99							0825097	27.88	0826753	19.47
7" x 7/8"	120									0825096	27.88	0826754	19.47
7" x 5/8"-11	24									0825107	31.35		
7" x 5/8"-11	36									0825106	31.35		
7" x 5/8"-11	40									0825105	31.35		
7" x 5/8"-11	60									0825104	31.35		
7" x 5/8"-11	80									0825103	31.35		
7" x 5/8"-11	120									0825102	31.35		

Type 27 Standard Density (Fiberglass Back Unless Noted)



		Blackstone		SIA		SIA Plastic Back		Norton Charger R822		Norton Twinfiber	
Size	Grit	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
4-1/2" x 7/8"	36	0825380	\$7.99								
4-1/2" x 7/8"	40	0825381	7.99			0838434	8.99	0825253	14.94	0826766	10.46
4-1/2" x 7/8"	60	0825382	7.99			0838435	8.99	0825254	14.94	0826767	10.46
4-1/2" x 7/8"	80	0825383	7.99			0838436	8.99	0825255	14.94	0826768	10.46
4-1/2" x 7/8"	120					0838437	8.99			0826769	10.46
4-1/2" x 5/8"-11	36	0818976	10.51					0824686	16.40		
4-1/2" x 5/8"-11	40	0818977	10.51			0800784	7.15	0824687	16.40		
4-1/2" x 5/8"-11	60	0818978	10.51			0800785	9.25	0824688	16.40		
4-1/2" x 5/8"-11	80	0818979	10.51			0800786	11.99	0824689	16.40		
5" x 7/8"	36							0824690	16.69	0826770	11.70
5" x 7/8"	40							0824691	16.69	0826771	11.70
5" x 7/8"	60							0824692	16.69	0826772	11.70
5" x 7/8"	80							0824693	16.69	0826773	11.70
5" x 7/8"	120									0826774	11.70
7" x 7/8"	36	0825388	13.99							0826775	19.47
7" x 7/8"	40	0825389	13.99	0205470	11.40	0838438	14.61	0825256	19.78	0826776	19.47
7" x 7/8"	60	0825390	13.99	0205471	11.40	0838439	14.61			0826777	19.47
7" x 7/8"	80	0825391	13.99	0205472	11.40	0838440	14.61	0825258	27.88	0826778	19.47
7" x 7/8"	120					0838441	14.61			0826779	19.45
7" x 5/8"-11	36			0800791	14.82			0824694	31.35		
7" x 5/8"-11	60			0800792	14.82			0824696	31.35		
7" x 5/8"-11	80			0800793	14.82			0824697	31.35		

BLACKSTONE™



Blackstone uses modern technology coupled with the maximum quality components to provide rugged, dependable, and hard-wearing products to meet the demands of the professional job.

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SAIT

GRINDING
BLENDING
FINISHING
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UNITED ABRASIVES, INC.

TRY OUR NEWEST PRODUCTS TODAY!
Z-Tech™ .045™ Cut-Off Wheels
XFC Gas Saw Wheels- Extremely Fast Cutting for Concrete and Metal

FLAP DISCS AND FLAP WHEELS

Flap Discs and Flap Wheels Cont.

Abrasive Discs



Ceramic Flap Discs

- High Performance treated ceramic grit with "top size" coating
- Faster cutting and longer life on all ferrous metals
- Ideal for rapid stock removal and blending
- Outlast resin fiber discs 25 to 1



Part No.	Size	Grit	Arbor	Type	Max. RPM	Price /Ea
0808300	4-1/2"	36	7/8"	29	13300	\$6.05
0808305	5"	36	7/8"	29	12000	6.71
0808310	7"	36	7/8"	29	8500	11.12
0808301	4-1/2"	40	7/8"	29	13300	6.05
0808306	5"	40	7/8"	29	12000	6.71
0808311	7"	40	7/8"	29	8500	11.12
0808302	4-1/2"	60	7/8"	29	13300	6.05
0808307	5"	60	7/8"	29	12000	6.71
0808312	7"	60	7/8"	29	8500	11.12
0808303	4-1/2"	80	7/8"	29	13300	6.05
0808308	5"	80	7/8"	29	12000	6.71
0808313	7"	80	7/8"	29	8500	11.12
0808304	4-1/2"	120	7/8"	29	13300	6.05
0808309	5"	120	7/8"	29	12000	6.71
0808314	7"	120	7/8"	29	8500	11.12
0808315	4-1/2"	36	5/8"-11	29	13300	11.12
0808320	5"	36	5/8"-11	29	12000	8.42
0808325	7"	36	5/8"-11	29	8500	12.83
0808316	4-1/2"	40	5/8"-11	29	13300	7.81
0808321	5"	40	5/8"-11	29	12000	8.42
0808326	7"	40	5/8"-11	29	8500	12.83
0808317	4-1/2"	60	5/8"-11	29	13300	7.81
0808322	5"	60	5/8"-11	29	12000	8.42
0808327	7"	60	5/8"-11	29	8500	12.83
0808318	4-1/2"	80	5/8"-11	29	13300	7.81
0808323	5"	80	5/8"-11	29	12000	8.42
0808328	7"	80	5/8"-11	29	8500	12.83
0808319	4-1/2"	120	5/8"-11	29	13300	7.81
0808324	5"	120	5/8"-11	29	12000	8.42
0808329	7"	120	5/8"-11	29	8500	12.83
0808330	4-1/2"	36	7/8"	27	13300	6.05
0808335	5"	36	7/8"	27	12000	6.71
0808340	7"	36	7/8"	27	8500	11.12
0808331	4-1/2"	40	7/8"	27	13300	6.05
0808336	5"	40	7/8"	27	12000	6.71
0808341	7"	40	7/8"	27	8500	11.12
0808332	4-1/2"	60	7/8"	27	13300	6.05
0808337	5"	60	7/8"	27	12000	6.71
0808342	7"	60	7/8"	27	8500	11.12
0808333	4-1/2"	80	7/8"	27	13300	6.05
0808338	5"	80	7/8"	27	12000	6.71
0808343	7"	80	7/8"	27	8500	11.12
0808334	4-1/2"	120	7/8"	27	13300	6.05
0808339	5"	120	7/8"	27	12000	6.71
0808344	7"	120	7/8"	27	8500	11.12
0808345	4-1/2"	36	5/8"-11	27	13300	11.12
0808350	5"	36	5/8"-11	27	12000	8.42
0808355	7"	36	5/8"-11	27	8500	\$12.83
0808346	4-1/2"	40	5/8"-11	27	13300	7.81
0808351	5"	40	5/8"-11	27	12000	8.42
0808356	7"	40	5/8"-11	27	8500	12.83
0808347	4-1/2"	60	5/8"-11	27	13300	7.81
0808352	5"	60	5/8"-11	27	12000	8.42
0808357	7"	60	5/8"-11	27	8500	12.83

Alu-Cut Flap Discs

- High Performance sterrated aluminum oxide
- Prevents loading on non-ferrous materials
- Excellent on aluminum
- Perfect for weld removal grinding and blending



Part No.	Size	Grit	Arbor	Type	Max. RPM	Price /Ea
0808360	4-1/2"	36	7/8	29	13300	\$5.54
0808361	5"	36	7/8	29	12000	6.12
0808362	7"	36	7/8	29	8500	10.15
0808363	4-1/2"	36	5/8-11	29	13300	7.13
0808364	5"	36	5/8-11	29	12000	7.70
0808365	7"	36	5/8-11	29	8500	11.77
0808366	4-1/2"	36	7/8	27	13300	5.54
0808367	5"	36	7/8	27	12000	6.12
0808368	7"	36	7/8	27	8500	10.15
0808369	4-1/2"	36	5/8-11	27	13300	7.13
0808370	5"	36	5/8-11	27	12000	7.70
0808371	7"	36	5/8-11	27	8500	11.77

Interleaf Wheels

- Interleaved finishing wheels
- High Performance non-woven material interleaved with high performance aluminum oxide
- Produces consistent cut and uniform finish
- Ideal for blending, finishing, deburring and polishing of metal, wood and plastic



Shank Mounted

Part No.	Size	Length	Grit	Arbor	Max. RPM	Price /Ea
0842301	1-1/2"	1"	Med 80	1/4" Shank	15000	\$7.92
0842302	1-1/2"	1"	Fine 120	1/4" Shank	15000	8.32
0842305	2"	1"	Course 60	1/4" shank	11000	10.40
0842306	2"	1"	Med 80	1/4" shank	11000	10.40
0842307	2"	1"	Fine 120	1/4" shank	11000	11.29
0842317	2"	2"	Course 60	1/4" Shank	11000	10.89
0842318	2"	2"	Med 80	1/4" Shank	11000	10.89
0842319	2"	2"	Fine 120	1/4" Shank	11000	11.88
0842323	2"-12	1"	Fine 120	1/4" Shank	11000	12.48
0842325	2"-12	1"	Course 60	1/4" Shank	11000	11.38
0842326	2"-12	1"	Med 80	1/4" Shank	11000	11.38
0842327	3"	1"	Course 60	1/4" Shank	8000	12.77
0842328	3"	1"	Med 80	1/4" Shank	8000	12.77
0842329	3"	1"	Fine 120	1/4" Shank	8000	13.36
0842338	3"	2"	Course 60	1/4" Shank	8000	16.44
0842339	3"	2"	Med 80	1/4" Shank	8000	16.44
0842340	3"	2"	Fine 120	1/4" Shank	8000	16.83

BANDSAW BLADE WELDING

- Over \$1 million in welding equipment and coil stock inventory

- We can custom-weld any length to suit your application

- Widths from 1/8" to 2-1/4" (Large widths available upon request)

- Large selection of pre-welded blades in stock for common cutting applications

- Our technicians are factory trained and can assist you with questions

- We can stock your blades at your local servicing store



FLAP DISCS, CLEAN & STRIP DISCS, CARTRIDGE ROLLS

Flap Discs and Flap Wheels Cont.



Mounted Flap Wheels

Mounted flap wheels offer a quick and economical solution for finishing, grinding, cleaning, polishing and sanding on a variety of material surfaces. Manufactured with a high performance abrasive cloth, the resin core flap wheels are uniform, durable, and feature the finest construction available in the world. They are simply one of the most versatile and popular abrasive products in use today.

Applications:

- Clean welds and scratches from fabricated parts
- Descaling
- Removing machine marks
- Grind off sharp mold edges
- Polishing and finishing metal surfaces
- Removal of plastic and rubber flashing
- Prep surfaces prior to painting and coating
- Remove rust and corrosion
- Round sharp edges and remove burrs
- Remove imperfections



1/8" and 1/4" Mandrel

Part No.	Diameter	Width	Mandrel	Grit	Price /Each
0282250	3/4"	5/8"	1/8"	240	\$3.75
0281253	1"	5/8"	1/4"	120	3.62
0281254	1"	1"	1/4"	60	3.47
0281255	1"	1"	1/4"	80	3.47
0281256	1"	1"	1/4"	120	3.40
0281257	1-1/2"	1"	1/4"	60	4.22
0281258	1-1/2"	1"	1/4"	80	4.27
0281259	1-1/2"	1"	1/4"	120	4.17
0281260	2"	1"	1/4"	60	5.08
0281261	2"	1"	1/4"	80	4.90
0282246	2"	1"	1/4"	120	5.79
0282247	3"	1"	1/4"	60	6.28
0282248	3"	1"	1/4"	80	6.28
0282249	3"	1"	1/4"	120	6.21

1/4"-20 Threaded Mandrel

Part No.	Diameter	Width	Mandrel	Grit	Price /Each
0200410	1"	1"	1/4"-20	80	\$3.35
0200411	1"	1"	1/4"-20	120	3.17
0200412	1-1/2"	1"	1/4"-20	60	4.24
0200413	1-1/2"	1"	1/4"-20	80	4.24
0200414	1-1/2"	1"	1/4"-20	120	4.24
0200415	2"	1"	1/4"-20	60	4.83
0200416	2"	1"	1/4"-20	80	4.83
0200417	2"	1"	1/4"-20	120	4.83
0200418	3"	1"	1/4"-20	60	6.16
0200419	3"	1"	1/4"-20	80	6.16
0200420	3"	1"	1/4"-20	120	6.16

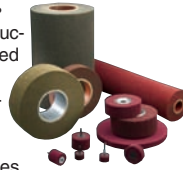
1/4"-20 to 1/4" Shank Adapter

Part No.	Description	Price /Each
0200421	1/4"-20 to 1/4" Shank Adaptor	\$3.79

Finishing Wheels

Made from flexible open structured nylon web, impregnated with aluminum oxide grain

- Runs cool, reducing smearing, chatter marks and discoloration
- Produces high quality finishes and fine scratch patterns on various metals
- Ideal for removing surface contamination, oxidation and blending marks



Mounted Brushes

Part No.	Size	Length	Grit	Arbor	Max. RPM	Price /Ea
0842239	1-1/2"	1"	Very Fine	1/4" shank	11000	\$7.78
0842240	1-1/2"	1"	Fine	1/4" shank	11000	7.78
0842241	1-1/2"	1"	Medium	1/4" shank	11000	7.78
0842242	1-1/2"	1"	Course	1/4" shank	11000	8.22
0842243	2"	1"	Very Fine	1/4" shank	11000	8.69
0842244	2"	1"	Fine	1/4" shank	11000	8.69
0842245	2"	1"	Medium	1/4" shank	11000	8.69
0842246	2"	1"	Course	1/4" shank	11000	9.40
0842251	3"	1"	Very Fine	1/4" shank	8000	10.74
0842252	3"	1"	Fine	1/4" shank	8000	10.74
0842253	3"	1"	Medium	1/4" shank	8000	10.74
0842254	3"	1"	Course	1/4" shank	8000	11.48

Unmounted Flap wheels

- Resin bond high performance aluminum oxide for fast cutting and long life
- Metal centered hub for optimum stability
- Ideal for blending, finishing and cleaning various metals, wood and plastic

Part No.	Size	Length	Grit	Arbor	Max. RPM	Price /Ea
0842189	6"	1"	60	1"	6200	\$23.67
0842190	6"	1"	80	1"	6200	25.25
0842191	6"	1"	120	1"	6200	27.35
0842204	6"	2"	60	1"	6200	39.44
0842205	6"	2"	80	1"	6200	42.08
0842207	6"	2"	120	1"	6200	45.97
0842213	8"	1"	60	1"	4700	37.34
0842214	8"	1"	80	1"	4700	40.28
0842215	8"	1"	120	1"	4700	43.97
0842219	8"	2"	60	1"	4700	66.59
0842220	8"	2"	80	1"	4700	71.63
0842221	8"	2"	120	1"	4700	79.32

Clean & Strip Discs



Clean and Strip Discs

- Heavy duty nylon fiber web impregnated with coarse silicon carbide grain
- Rapid removal of corrosion, rust and weld spatter
- Ideal for cleaning and polishing of all surfaces



Part No.	Size	Grit	Arbor	Type	Max. RPM	Price /Ea
0808372	4-1/2"	Course	7/8"	27	12000	\$8.06
0808373	4-1/2"	Course	5/8"-11	27	12000	9.43
0808374	7"	Course	7/8"	27	4200	12.53
0808375	7"	Course	5/8"-11	27	4200	13.91

Clean and Strip Plus Discs

- Heavy Duty high performance silicon carbide grain
- High stock removal rates of corrosion, rust and weld spatter
- Longer life and brighter finish

Part No.	Size	Grit	Arbor	Type	Max RPM	Price /Ea
0808376	4-1/2"	HP Course	7/8"	27	12000	\$8.51
0808377	4-1/2"	HP Course	5/8"-11	27	12000	9.86
0808378	7"	HP Course	7/8"	27	4200	13.19
0808379	7"	HP Course	5/8"-11	27	4200	14.54

Cartridge Rolls



sia Cartridge Rolls

Aluminum oxide cartridge rolls are designed for grinding, deburring, blending, finishing, or polishing a wide variety of materials.

Typical Applications

- Metal Channels
- Corners
- Weld Fillets
- Tight Radii
- Recesses
- Angles
- Contours
- Tapered rolls available



Cartridge Rolls

Part No.	Size	Grit	Pkg. Qty.	Price /Each
0838376	1/4" x 1" x 1/8"	60	100	\$0.39
0838377	1/4" x 1" x 1/8"	80	100	0.39
0838378	1/4" x 1" x 1/8"	120	100	0.39
0838379	1/4" x 1-1/2" x 1/8"	60	100	0.47
0838380	1/4" x 1-1/2" x 1/8"	80	100	0.47
0838381	1/4" x 1-1/2" x 1/8"	120	100	0.47
0838382	3/8" x 1-1/2" x 1/8"	60	100	0.56
0838383	3/8" x 1-1/2" x 1/8"	80	100	0.56
0838384	3/8" x 1-1/2" x 1/8"	120	100	0.56
0838385	1/2" x 1" x 1/8"	60	100	0.49
0838386	1/2" x 1" x 1/8"	80	100	0.49
0838387	1/2" x 1" x 1/8"	120	100	0.49
0838388	1/2" x 1-1/2" x 1/8"	60	100	0.66
0838389	1/2" x 1-1/2" x 1/8"	80	100	0.66
0838390	1/2" x 1-1/2" x 1/8"	120	100	0.66
0838391	3/4" x 1-1/2" x 3/16"	60	100	0.99
0838392	3/4" x 1-1/2" x 3/16"	80	100	0.99
0838393	3/4" x 1-1/2" x 3/16"	120	100	0.99

Cartridge Roll Mandrels

Part No.	Size	Pkg. Qty.	Price /Each
0838394	1/8" x 3/4" x 1/4"	1	\$2.05
0838395	1/8" x 1" x 1/4"	1	2.05
0838396	3/16" x 1" x 1/4"	1	2.05

**JOBS THIS RUGGED
DESERVE THE
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SPIRABANDS AND BELTS

Spirabands and Belts

Spirabands-Aluminum Oxide



sia Spirabands



Spirally wound abrasive sleeves used on expanding rubber drums.

Typical Applications

- Finishing curved or contoured areas.
- Finishing hard to reach areas and inside holes.
- Removing parting lines, imperfections, and burrs.

Spirabands

Part No.	Size	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0838397	1/2" x 1/2"	36	100		\$0.31
0838398	1/2" x 1/2"	50	100		0.31
0838399	1/2" x 1/2"	60	100		0.31
0838400	1/2" x 1/2"	80	100		0.31
0838401	1" x 1"	36	100		0.42
0838402	1" x 1"	50	100		0.43
0838403	1" x 1"	60	100		0.42
0838404	1" x 1"	80	100		0.42
0838405	1-1/2" x 1-1/2"	36	100		0.66
0838406	1-1/2" x 1-1/2"	50	100		0.59
0838407	1-1/2" x 1-1/2"	60	100		0.59
0838408	1-1/2" x 1-1/2"	80	100		0.59
0838409	2" x 2"	36	100		1.06
0838410	2" x 2"	50	100		1.03
0838411	2" x 2"	60	100		0.98
0838412	2" x 2"	80	100		0.95

Expanding Rubber Drums

Part No.	Size	Pkg. Qty.	Price /Ea
0838413	1/2" x 1/2" x 1/4"	1	\$2.33
0838414	1" x 1" x 1/4"	1	3.23
0838415	1-1/2" x 1-1/2" x 1/4"	1	5.12
0838416	2" x 2" x 1/4"	1	7.08

*Bands up to 3" diameter available

Belts

Abrasive Sanding Belts

- Aluminum oxide belts are made from an aluminum oxide grain, with an "X" weight poly-cotton backing, full resin bond, closed coat, and waterproof.
- Zirconia belts are made from a blue aluminum zirconia grain, with a "Y" weight polyester backing, full resin bond, closed coat, and waterproof.
- Used on a wide variety of belt sanders.

Aluminum Oxide

Part No.	Size	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0205473	1/2" x 12"	24	50	200	\$1.16
0205474	1/2" x 12"	36	50	200	1.12
0205475	1/2" x 12"	50	50	200	1.08
0204495	1/2" x 12"	60	50	200	1.09
0204496	1/2" x 12"	80	50	200	1.03
0204497	1/2" x 12"	120	50	200	1.03
0204498	1/2" x 12"	150	50	200	1.03
0204499	1/2" x 12"	180	50	200	1.03
0204500	1/2" x 18"	24	50	200	1.27
0204501	1/2" x 18"	36	50	200	1.25
0204502	1/2" x 18"	50	50	200	1.19
0204503	1/2" x 18"	60	50	200	1.14
0204504	1/2" x 18"	80	50	200	1.16
0204505	1/2" x 18"	120	50	200	1.12
0204506	1/2" x 18"	150	50	200	1.12
0204507	1/2" x 18"	180	50	200	1.12

Aluminum Oxide Cont.

Part No.	Size	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0204508	1/2" x 24"	24	50	200	\$1.29
0200347	1/2" x 24"	36	50	200	1.21
0204509	1/2" x 24"	50	50	200	1.22
0200348	1/2" x 24"	60	50	200	1.15
0200349	1/2" x 24"	80	50	200	1.11
0200350	1/2" x 24"	120	50	200	1.09
0205494	1/2" x 24"	150	50	200	1.14
0205495	1/2" x 24"	180	50	200	1.14
0205496	3/4" x 20-1/2"	24	50	200	1.29
0200351	3/4" x 20-1/2"	36	50	200	1.30
0205497	3/4" x 20-1/2"	50	50	200	1.22
0200352	3/4" x 20-1/2"	60	50	200	1.17
0200353	3/4" x 20-1/2"	80	50	200	1.12
0200354	3/4" x 20-1/2"	120	50	200	1.09
0205498	3/4" x 20-1/2"	150	50	200	1.14
0205499	3/4" x 20-1/2"	180	50	200	1.14
0205500	1" x 30"	24	50	200	1.94
0200355	1" x 30"	36	50	200	1.78
0205501	1" x 30"	50	50	200	1.60
0200356	1" x 30"	60	50	200	1.56
0200357	1" x 30"	80	50	200	1.39
0200358	1" x 30"	120	50	200	1.24
0205502	1" x 30"	150	50	200	1.29
0205503	1" x 30"	180	50	200	1.29
0205504	1" x 42"	24	50	200	2.20
0200359	1" x 42"	36	50	200	2.15
0205505	1" x 42"	50	50	200	2.00
0200360	1" x 42"	60	50	200	1.93
0200361	1" x 42"	80	50	200	1.81
0200362	1" x 42"	120	50	200	1.71
0205506	1" x 42"	150	50	200	1.60
0205507	1" x 42"	180	50	200	1.71
0205508	2" x 48"	24	10	50	4.38
0200363	2" x 48"	36	10	50	3.37
0205509	2" x 48"	50	10	50	3.31
0200364	2" x 48"	60	10	50	3.04
0200365	2" x 48"	80	10	50	2.86
0200366	2" x 48"	120	10	50	2.75
0205510	2" x 48"	150	10	50	2.58
0205511	2" x 48"	180	10	50	2.75
0205512	2" x 60"	24	10	50	4.90
0200367	2" x 60"	36	10	50	4.65
0205513	2" x 60"	50	10	50	3.61
0200368	2" x 60"	60	10	50	3.97
0200369	2" x 60"	80	10	50	3.70
0200370	2" x 60"	120	10	50	3.53
0205514	2" x 60"	150	10	50	3.31
0205515	2" x 60"	180	10	50	3.31
0200371	3" x 21"	36	10	50	2.30
0200372	3" x 21"	60	10	50	2.16
0200373	3" x 21"	80	10	50	1.95
0200374	3" x 21"	120	10	50	1.87
0200375	3" x 24"	36	10	50	2.53
0200376	3" x 24"	60	10	50	2.22
0200377	3" x 24"	80	10	50	2.05
0200378	3" x 24"	120	10	50	2.01
0205524	3" x 132"	24	10	50	16.54
0200379	3" x 132"	36	10	50	12.68
0205525	3" x 132"	50	10	50	11.33
0200380	3" x 132"	60	10	50	9.91

Aluminum Oxide Cont.

Part No.	Size	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0200381	3" x 132"	80	10	50	\$9.36
0200382	3" x 132"	120	10	50	8.81
0205526	3" x 132"	150	10	50	9.53
0205527	3" x 132"	180	10	50	9.53
0200383	3-1/2" x 15-1/2"	36	10	50	2.37
0200384	3-1/2" x 15-1/2"	60	10	50	2.08
0200385	3-1/2" x 15-1/2"	80	10	50	1.98
0200386	3-1/2" x 15-1/2"	120	10	50	1.83
0200548	4" x 24"	36	10	50	3.43
0200549	4" x 24"	60	10	50	2.93
0200550	4" x 24"	80	10	50	2.75
0200551	4" x 24"	120	10	50	2.61
0205536	6" x 48"	24	10	50	14.29
0200387	6" x 48"	36	10	20	9.71
0205537	6" x 48"	50	10	50	10.03
0200388	6" x 48"	60	10	20	8.25
0200389	6" x 48"	80	10	20	7.70
0200390	6" x 48"	120	10	20	7.17
0205538	6" x 48"	150	10	20	8.45
0205539	6" x 48"	180	10	20	8.03
0205540	6" x 60"	24	10	20	15.27
0205542	6" x 60"	50	10	20	11.25
0205546	6" x 60"	150	10	20	10.19
0205547	6" x 60"	180	10	20	9.54

Zirconia

Part No.	Size	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0205548	1/2" x 12"	24	50	200	\$1.73
0205549	1/2" x 12"	36	50	200	1.73
0205550	1/2" x 12"	50	50	200	1.64
0205551	1/2" x 12"	60	50	200	1.64
0205552	1/2" x 12"	80	50	200	1.65
0205553	1/2" x 12"	120	50	200	1.65
0205554	1/2" x 18"	24	50	200	1.90
0205555	1/2" x 18"	36	50	200	1.82
0205556	1/2" x 18"	50	50	200	1.78
0205557	1/2" x 18"	60	50	200	1.73
0204577	1/2" x 18"	80	50	200	1.78
0204578	1/2" x 18"	120	50	200	1.74
0204579	1/2" x 24"	24	50	200	2.30
0204580	1/2" x 24"	36	50	200	1.98
0204581	1/2" x 24"	50	50	200	1.84
0204582	1/2" x 24"	60	50	200	1.84
0204583	1/2" x 24"	80	50	200	1.79
0204584	1/2" x 24"	120	50	200	1.74
0204585	3/4" x 20-1/2"	24	50	200	1.98
0204586	3/4" x 20-1/2"	36	50	200	1.98
0204587	3/4" x 20-1/2"	50	50	200	1.84
0204588	3/4" x 20-1/2"	60	50	200	1.84
0204589	3/4" x 20-1/2"	80	50	200	1.79
0204590	3/4" x 20-1/2"	120	50	200	1.72
0204591	1" x 30"	24	50	200	3.29
0205576	1" x 30"	36	50	200	2.93
0205577	1" x 30"	50	50	200	2.52
0205578	1" x 30"	60	50	200	2.28
0205579	1" x 30"	80	50	200	2.20
0205580	1" x 30"	120	50	200	2.04
0205581	1" x 42"	24	50	200	4.03
0205582	1" x 42"	36	50	200	3.76
0205583	1" x 42"	50	50	200	3.87
0205584	1" x 42"	60	50	200	3.33
0205585	1" x 42"	80	50	200	3.00
0205586	1" x 42"	120	50	200	2.95
0205587	2" x 48"	24	10	50	7.90
0205588	2" x 48"	36	10	50	7.21
0205589	2" x 48"	50	10	50	6.07
0205590	2" x 48"	60	10	50	5.76
0205591	2" x 48"	80	10	50	5.43
0205592	2" x 48"	120	10	50	5.18
0205593	2" x 60"	24	10	50	9.45
0205594	2" x 60"	36	10	50	8.62
0205595	2" x 60"	50	10	50	7.61
0205596	2" x 60"	60	10	50	6.86
0205597	2" x 60"	80	10	50	4.81
0205598	2" x 60"	120	10	50	6.18
0205599	3" x 132"	24	10	50	27.48
0205600	3" x 132"	36	10	50	25.12
0205601	3" x 132"	50	10	50	21.76
0205602	3" x 132"	60	10	50	20.56



Next Day Shipping!
on any size sanding belt.

All sizes, Grits, & Materials

Ask your Fastenal
Salesperson for Details!

Belts Cont.



Abrasive Sanding Belts Cont.

Zirconia Cont.

Part No.	Size	Grit	Pkg. Qty.	Case Qty.	Price /Ea
0205603	3" x 132"	80	10	50	\$19.23
0205604	3" x 132"	120	10	50	18.63
0205606	3-1/2" x 15-1/2"	36	10	50	4.87
0205608	3-1/2" x 15-1/2"	60	10	50	3.80
0205609	3-1/2" x 15-1/2"	80	10	50	3.49
0205610	3-1/2" x 15-1/2"	120	10	50	3.38
0205611	6" x 48"	24	10	20	22.34
0205612	6" x 48"	36	10	20	20.32
0205613	6" x 48"	50	10	20	17.16
0205614	6" x 48"	60	10	20	16.01
0205615	6" x 48"	80	10	20	14.80
0205616	6" x 48"	120	10	20	13.97
0205617	6" x 60"	24	10	20	27.52
0205618	6" x 60"	36	10	20	23.34
0205619	6" x 60"	50	10	20	21.52
0205620	6" x 60"	60	10	20	21.12
0205621	6" x 60"	80	10	20	18.88
0205622	6" x 60"	120	10	20	18.15

Non-woven Belts

- Non-woven belts fabricated from compressible nylon fibers impregnated with aluminum oxide grain.
- Used on a variety of belt sanders.
- Blending, cleaning, deburring and finishing of metal surfaces. Also used for rust removal. Flexible for use on contour surfaces.
- Four grades available: Coarse (brown), medium (maroon), ultra fine (gray) and very fine (blue).



Part No.	Size	Grade	Pkg. Qty.	Case Qty.	Price /Ea
0200072	1/2" x 18"	Coarse	25	50	\$4.71
0200073	1/2" x 18"	Medium	25	50	4.71
0200074	1/2" x 18"	Very Fine	25	50	4.71
0200075	1/2" x 24"	Coarse	25	50	4.25
0200076	1/2" x 24"	Medium	25	50	4.25
0200077	1/2" x 24"	Very Fine	25	50	4.25
0200078	3/4" x 18"	Coarse	25	50	5.08
0200082	3/4" x 18"	Medium	25	50	5.08
0200083	3/4" x 18"	Very Fine	25	50	5.08
0200084	1" x 30"	Coarse	10	20	7.44
0200085	1" x 30"	Medium	10	20	7.44
0200086	1" x 30"	Very Fine	10	20	7.44
0200087	3-1/2" x 15-1/2"	Coarse	5	10	16.48
0200088	3-1/2" x 15-1/2"	Medium	5	10	16.45
0200089	3-1/2" x 15-1/2"	Very Fine	5	10	16.45



Scotch-Brite SC Belts

A non-woven belt used for cleaning, finishing and deburring applications. The reinforced backing offers good flexibility.



Part No.	Size	Grade	Pkg. Qty.	Case Qty.	Price /Ea
0819097	1/2" x 18"	A CRS	20		\$6.00
0819096	1/2" x 18"	A MED	20		6.00
0819095	1/2" x 18"	A VFN	20		6.00
0819083	1/2" x 24"	A CRS	20		6.35
0819053	1/2" x 24"	A MED	20		6.35
0819069	1/2" x 24"	A VFN	20		6.35
0819126	3/4" x 18"	A CRS	20		8.37
0819157	3/4" x 18"	A MED	20		8.37
0819139	3/4" x 18"	A VFN	20		8.37
0819071	3-1/2" x 15-1/2"	A CRS	10		26.40
0819079	3-1/2" x 15-1/2"	A MED	10		26.40
0819080	3-1/2" x 15-1/2"	A VFN	10		26.40

Utility Rolls



Shop (Utility) Rolls

- Economical, easy tear-off, cotton "J" weight, resin bond cloth rolls made with aluminum oxide grain.
- Self cut strips for hand sanding.
- Cleaning, deburring and polishing a wide variety of materials.



Part No.	Size	Grade	Pkg. Qty.	Case Qty.	Price /Ea
0200301	1" x 50 yd	60	1	10	\$30.33
0200302	1" x 50 yd	80	1	10	28.76
0200303	1" x 50 yd	100	1	10	27.73
0200304	1" x 50 yd	120	1	10	27.73
0200305	1" x 50 yd	150	1	10	27.71
0200306	1" x 50 yd	180	1	10	27.71
0200307	1" x 50 yd	240	1	10	27.73
0200308	1" x 50 yd	320	1	10	27.71
0200309	1" x 50 yd	400	1	10	27.73
0200311	1-1/2" x 50 yd	60	1	10	43.26
0200312	1-1/2" x 50 yd	80	1	10	36.93
0200313	1-1/2" x 50 yd	100	1	10	36.92
0200314	1-1/2" x 50 yd	120	1	10	36.90
0200315	1-1/2" x 50 yd	150	1	10	36.92
0200316	1-1/2" x 50 yd	180	1	10	36.92
0200317	1-1/2" x 50 yd	240	1	10	36.92
0200318	1-1/2" x 50 yd	320	1	10	36.92
0200319	1-1/2" x 50 yd	400	1	10	36.92
0200321	2" x 50 yd	60	1	10	59.45
0200322	2" x 50 yd	80	1	10	47.92
0200323	2" x 50 yd	100	1	10	47.94
0200324	2" x 50 yd	120	1	10	47.94
0200328	2" x 50 yd	150	1	10	47.94
0200329	2" x 50 yd	180	1	10	47.94
0200330	2" x 50 yd	240	1	10	47.95
0200331	2" x 50 yd	320	1	10	47.94
0200332	2" x 50 yd	400	1	10	47.95

Sandscreen Rolls

- Nylon mesh impregnated with silicon carbide grain. Mesh design will resist loading and can be used wet or dry.
- Self cut strips for hand sanding.
- Deburring and polishing of ferrous and non-ferrous metal.



Part No.	Size	Grade	Pkg. Qty.	Case Qty.	Price /Ea
0200344	1-1/2" x 25 yd	80	1	10	\$41.29
0838417	1-1/2" x 25 yd	100	1	10	37.21
0200345	1-1/2" x 25 yd	120	1	10	35.79
0200346	1-1/2" x 25 yd	180	1	10	34.35
0838418	1-1/2" x 25 yd	220	1	10	33.06
0838419	1-1/2" x 25 yd	320	1	10	33.06

Cloth Rolls

- Aluminum oxide, "X" weight backing, closed coat, full resin bond and waterproof. Custom slit 50 yard rolls of premium cloth abrasive.
- Cut into strips for manual sanding tools or attached to a vibrating sander. Can also be wrapped on a drum sander.
- Used in a wide variety of applications.
- Any width roll available



Part No.	Size	Grade	Pkg. Qty.	Case Qty.	Price /Ea
0200333	2" x 50 yd	40	1	10	\$100.82
0200334	2" x 50 yd	50	1	10	97.41
0200335	2" x 50 yd	60	1	10	87.55
0200336	2" x 50 yd	80	1	10	83.35
0200337	2" x 50 yd	100	1	10	80.59
0200338	2" x 50 yd	120	1	10	80.59
0200339	2" x 50 yd	150	1	10	80.59
0200340	2" x 50 yd	180	1	10	80.59
0200341	2" x 50 yd	240	1	10	80.59
0200342	2" x 50 yd	320	1	10	80.59
0200343	2" x 50 yd	400	1	10	80.59



Scotch-Brite™ Clean and Finish Rolls

Can be used for hand cleaning, blending and finishing. Can be cut to desired length for oscillating sanders.



Part No.	Size	Grade	Case Qty.	Price /Ea
0200723	6" x 30 ft.	A-VFN	2	\$86.33
0819032	4" x 30 ft.	A-VFN	3	59.07
0819033	4" x 30 ft.	S-VFN	3	59.07

ABRASIVE ROLLS, SHEETS AND PADS

Utility Rolls Cont.

3M

Scotch-Brite™ Cut and Polish Rolls

Outlast and outperform ordinary emery cloth and utility rolls around angles, odd shapes, inside and outside diameters. Applications include stripping pipe ends for sweat soldering or welding, general cleaning and deburring odd shaped materials.



Part No.	Size	Color	Case Qty.	Price /Ea
0200724	2" x 30 ft.	Tan	6	\$76.84

Scotch-Brite™ Multi-Flex Sheet Rolls

A tough, highly conformable, sharp cutting, non-woven abrasive for cleaning and finishing surfaces by hand.



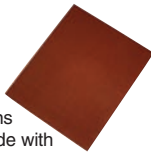
Part No.	Size	Color	Case Qty.	Price /Ea
0200725	8" x 4ft.	Purple	6	\$47.64
0200726	8" x 4ft.	Gray	6	47.64

Abrasive Sheets



Cloth Sheets

- 9" x 11", cloth backed, "J" weight sanding sheets. Remains flexible and resists tearing. Made with aluminum oxide grain.
- Hand held or attached to a high speed vibrating sander.
- General purpose sanding.



J Weight, Aluminum Oxide - Cloth

Part No.	Grit	Pkg. Qty.	Case Qty.	Price /Each
0200284	40	25	250	\$1.60
0200285	50	50	500	1.45
0200286	60	50	500	1.49
0200287	80	50	500	1.43
0200288	100	50	500	1.45
0200289	120	50	500	1.37
0200290	150	50	500	1.37
0200291	180	50	500	1.37
0200292	220	50	500	1.37
0200293	240	50	500	1.37
0200294	280	50	500	1.29
0200295	320	50	500	1.37
0200296	400	50	500	1.37

Paper Sheets

- 9" x 11", flexible, economical paper sanding sheets made with aluminum oxide or silicon carbide grain.
- Hand held or attached to a high speed vibrating sander.
- Cabinet paper for general use or finish sanding, SC Waterproof paper for final paint or surface preparation, SC Stearate sheets for non-loading, finish wood sanding.



Cabinet, Aluminum Oxide - Paper

Part No.	Grit	Pkg. Qty.	Case Qty.	Price /Each
0200258	40	50	500	\$0.84
0200259	50	50	500	0.77
0200260	60	50	500	0.74
0200261	80	50	500	0.68
0200262	100	100	500	0.60
0200263	120	100	500	0.60
0200264	150	100	500	0.57
0200265	180	100	500	0.57
0200266	220	100	500	0.57
0200267	240	100	500	0.57
0200268	280	100	500	0.57
0200269	320	100	500	0.57

Waterproof, Silicon Carbide - Paper

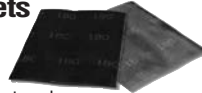
Part No.	Grit	Pkg. Qty.	Case Qty.	Price /Each
0200270	60	50	500	\$1.09
0200271	80	50	500	0.93
0200272	100	100	500	0.79
0200273	120	100	500	0.76
0200274	150	100	500	0.74
0200275	180	100	500	0.72
0200276	220	100	500	0.70
0200277	240	100	500	0.70
0200278	320	100	500	0.70
0200279	400	100	500	0.70
0200280	500	100	500	0.70
0200281	600	100	500	0.72
0200282	1000	100	500	0.70
0200283	1200	100	500	0.70

Stearate, Silicon Carbide - Paper

Part No.	Grit	Pkg. Qty.	Case Qty.	Price /Each
0838423	60	50	500	\$0.78
0838424	80	50	500	0.64
0838425	100	100	500	0.60
0838426	120	100	500	0.60
0838427	150	100	500	0.60
0838428	180	100	500	0.60
0838429	220	100	500	0.60
0838430	240	100	500	0.60
0838431	280	100	500	0.60
0838432	320	100	500	0.60
0838433	400	100	500	0.60

Sandscreen Sheets

- Nylon mesh impregnated with silicon carbide grain. 9" x 11", cut sheets resist loading and can be used wet or dry.
- Hand held or attached to a high speed vibrating sander.
- Wet or dry sanding of fiberglass, body filler, stone or paint where loading is a problem.



Part No.	Grit	Pkg. Qty.	Case Qty.	Price /Each
0200297	80	25	100	\$2.53
0838420	100	25	100	2.32
0200298	120	25	100	2.58
0200299	180	25	100	2.54
0838421	220	25	100	2.32
0838422	320	25	100	2.32

6" x 9" Hand Pads



Non-woven Hand Pads

- Flexible non-woven pads with compressible nylon fibers, impregnated with abrasive grain. Won't rust and are washable.
- Can be used hand held, attached to rigid pad holder or on high speed vibrating sanders.
- Pre-prep and final prep of metal, wood or plastic surfaces.
- Available in five materials: general clean-up (green), AO Very Fine for general finishing (maroon), SC Ultra Fine for between coat sanding (gray), Non-abrasive finishing pad (white) and AO Heavy Duty for aggressive clean-up (tan).



Part No.	Type	Grade	Pkg. Qty.	Case Qty.	Price /Each
0200090	Aluminum Oxide	Green	60	60	\$0.92
General Purpose					
0200091	30 pack	Maroon	20	60	0.94
0200092	Aluminum Oxide	Gray	20	60	1.52
Very Fine					
0200093	Non-abrasive	White Polishing	20	60	1.37
0200094	Aluminum Oxide	Tan/Brown	20	40	2.50
Heavy Duty					



Norton Bear-Tex Hand Pads

Bear-Tex Surface Finishing products are made of a non-woven nylon web impregnated with abrasive grain and resin. A variety of abrasives, grit sizes and backing materials give the user an extensive and superior product offering. Use the 740 pad for removing rust and oxidation, deburring parts. It replaces steel wool in many applications.

A 746 Metal Blend pad is used to clean aluminum, glass molds, dies, around welds, and also for light deburring of intricate parts.

The 747 pad is ideal for cleaning, finishing, deburring machinery and tools, defuzzing wood, and preparing surfaces for painting.

Put the 748 Final Shine pad to work for light cleaning applications on steels and non-steels. Defuzz wood, or use for a final rub.

Part No.	Color	Model No.	Case Qty.	Price /Pad
0824062	Dark Tan	No. 740 Heavy Duty	40	\$2.90
0824067	Gray	No. 746 Metal Blending	40	1.94
0824064	Maroon	No. 747 General Purpose	60	1.01
0824070	Gray	No. 748 Final Shine	60	1.13

6" x 9" Hand Pads Cont.



Scotch-Brite™ Hand Pads 6" x 9"

3M Scotch-Brite™ Hand Pads make the toughest jobs easier. These pads are faster and provide a more consistent finish than steel wool, wire brushes and other non-woven hand pads. They can be used with water or solvents and resist tearing, splintering, shredding and loading. They will never rust.

Select the Scotch-Brite™ pads for your specific abrasive needs and carry them with you everywhere you work. You can use them on virtually any surface material including all kinds of metals, plastics, composites, ceramics, porcelain, glass and rubber.

Finer Finish	Coarse Finish
Less Aggressive	More Aggressive
7448	7447
7446	7444

Part No.	Model No.	Grade	Color	Pkg. Qty.	Case Qty.	Price /Pad
0281641	7448	S ULF	Light Gray	20 pads	3 Boxes	\$1.31
0281639	7447	A VFN	Maroon	20 pads	3 Boxes	1.31
0281640	7446	S Med	Gray	10 pads	4 Boxes	2.37
0819056	7440	A Med	Tan	10 pads	4 Boxes	3.49

Scotch-Brite™ Hand Pads and Rolls - Accy's

Mini Mandrel No. 935

Use with desired Scotch-Brite™ strips to clean and polish I.D.'s and other tight areas. Mandrel has a 1/4" shank to fit desired tools. Max RPM 14,000. OAL - 2-7/8".

Part No.	Price /Each
0819024	\$23.83

Hand Pad Holder

Use with hand pads for easier handling. Provides increased leverage and eliminates "finger" marks.

Part No.	Description	Price /Each
0819023	#961	\$5.72

Cleaning Hand Pads and Sponges



Scotch-Brite™ Hand Pads

Light Duty Scrub Sponge; 3.6" x 6.1", White/Yellow, 20 per case; White Yellow 3.6" x 6.1" cleansing pad/sponge won't scratch or mark surfaces including stainless steel, glass, ceramic, fine china, porcelain, Teflon™, Formica™.

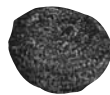


Turn to page 16-1 to view restrictions list.

Part No.	Vendor No.	Description	Pkg. Qty.	Case Qty.	Price /Pkg.
615054-130699	63		20	20	\$2.98
615055-130699	74		20	20	2.35
615145-130699	88		10	40	1.40
615057-130699	86		12	36	2.37
615058-130699	96		20	60	0.90
615059-130699	98		20	60	1.65
615146-130699	C323	Never Rust	14	168	0.25
615152-130699	46	Griddle Cleaning Pads Black	20	60	1.36
		Griddle cleaning system for use on cool grills.			
615153-130699	461	Griddle Pad Holder (Use With #46 Pad and #200 Screen)	1	10	19.68
615151-130699	200	Griddle Cleaning Screens	20	200	0.57
		Griddle screen #200 loosens carbonized grease and debris from griddle. Size: 4" x 5-1/4"			
615056-130699	82	Heavy-Duty Griddle Cleaning Pads	10	40	2.43
615154-130699	482	Griddle Pad Holder (Use With Holder (Use#82 Pad)	1	10	26.05
615155-130699	961	3M Twist Lock™ Style Pad Holder For use with #9030 pad.	1	10	6.29
615063-130699	9030	3" x 5" White Pad	40	40	1.13

Steel Hand Pads

Manufactured from high-quality stainless steel and bronze. Will not rust or splinter. Typical applications: removes baked-on food from pots and baking dishes, cleaning grills and ovens.



Part No.	Vendor No.	Description	Pkg. Qty.	Case Qty.	Price /Pkg.
615065-131449	761	Kurly Kate Stainless Steel	12 Pads	72 Pads	\$1.14

Steel Wool



Steel Wool-16 Unit Poly Sleeve

These steel wool pads are made from the highest grade of steel. Steel wool is generally used in cleaning and finishing applications such as wood refinishing, finish removal, metal polishing, and surface preparations.



- Finest Uses: buffing shellac, lacquer, and varnish
- Extra Fine Uses: Polishing aluminum, copper, brass, zinc. Removes paint drips and splatters.
- Fine Uses: buffing final finish on painted wood.
- Medium Fine Uses: cleaning aluminum, copper, brass, zinc, and other met metals, and to remove rust from tools.
- Medium Uses: preparing wood for the first coat of paint and to smooth raised grain of wood.
- Medium Coarse Uses: removing rust from machinery and tools, cleans rough metal surfaces, removes scuff marks from floors.
- Coarse Uses: removing old paint and varnish from wood surfaces.

Part No.	Vendor No.	Description	Pkg. Qty.	Case Qty.	Price /Pkg.
0685032	GMT 117000	#0000 Finest	16	192	\$4.99
0685034	GMT 117002	#00 Fine	16	192	4.99
0685035	GMT 117003	#0 Medium-Fine	16	192	4.99
0685036	GMT 117004	#1 Medium	16	192	4.99
0685037	GMT 117005	#2 Medium-Coarse	16	192	4.99
0685038	GMT 117006	#3 Coarse	16	192	4.99

Non-Woven Nylon Wheels and Brushes



Scotch-Brite™ EXL Unitized Deburring Wheel

Excellent for deburring and polishing a wide range of metals, plastics and composites.



- Cool running allows more pressure to be applied
- Cleaner than buffs and compounds
- Eliminates danger of loose-flying wires

Part No.	Dia. x W x AH	Grade	Max. RPM	Pkg. Qty.	Price /Each
0819128	1" x 1" x 3/16"	8A CRS	35,100	50	\$4.96
0819129	1" x 1" x 3/16"	8A MED	35,100	50	4.96
0819145	3" x 1/4" x 3/8"	2S FIN	12,100	40	6.71
0819153	3" x 1/4" x 3/8"	6A MED	18,100	40	7.90
0819130	3" x 1/4" x 3/8"	8ACRS	18,100	40	8.77

Non-Woven Nylon Wheels and Brushes

Non-Woven Nylon
Wheels & Brushes

Non-Woven Nylon Wheels and Brushes Cont.



Scotch-Brite™ EXL Unitized Deburring Wheels Cont. Mandrels for Unitized Wheels

Designed for use with Scotch-Brite™ Unitized Wheels.

3M # 936

Part No.	Description	Max. RPM	Price /Ea
0819055	2-1/16" Long x 1/4" screw x 3/4" depth for 1" Unitized wheels with 3/16 AH. Plastic body.	22,200	\$6.41

3M #946

Part No.	Description	Max. RPM	Price /Ea
0819082	1-3/4" long x 1/4" screw x 1/2" depth for 1" Unitized wheels with 3/16 AH. Steel body.	35,200	\$4.83

3M #990

Part No.	Description	Max. RPM	Price /Ea
0819152	3M Mandrel #990, 1/4" shank	35,200	\$20.67

Scotch-Brite™ EXL Deburring Wheels

Use to clean, finish, blend, deburr, or polish all types of metals, composites and glass.



Part No.	Description	Grade	Max. RPM	Pkg. Qty.	Price /Each
0819168	8" x 1/2" x 3"	8A MED	4,500	4	\$59.30
0819144	8" x 1/2" x 3"	8S FIN	4,500	4	59.30
0819086	8" x 1/2" x 3"	9S FIN	4,500	4	59.30
0819007	8" x 1" x 3"	8A MED	4,500	3	87.27
0819105	8" x 1" x 3"	8S FIN	4,500	3	87.27
0819076	8" x 1" x 3"	9S FIN	4,500	3	87.27

Part No.	Description	Grade	Case Qty.	Price /Each
0819124	6" x 1" x 1"	8A Med	3	\$69.77
0819104	6" x 1" x 1"	8S Fine	3	69.77
0819075	6" x 1" x 1"	9S FIN	3	69.77

Scotch-Brite™ Multi-Finish Wheel

Produces uniform grain finishes on stainless steel and other metals

- Highly conformable
- Tough enough to finish edges and welds



Part No.	Description	Grade	Case Qty.	Price /Each
0819108	6" x 1" x 1"	2S CRS	3	\$41.36
0819109	6" x 1" x 1"	2S MED	3	41.36
0819111	6" x 2" x 1"	2S CRS	2	68.51
0819112	6" x 2" x 1"	2S MED	2	68.51

Bushing Adapters for 6" x 1/2" and 6" x 1" wheels

For use with 6" wheels. Telescoping wheel adapters 1" and 1/2" wide to reduce 1" wheel cores to fit 5/8". Must be used with side flanges.



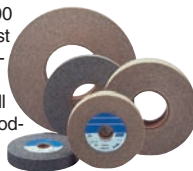
Part No.	Description	Price /Each
0819160	1/2" wide x 1" dia	\$4.86
0819161	1" wide x 1" dia	5.55



Norton Series 1000 wheels

Norton Bear-Tex Series 1000

Convolute Wheels- The best choice for a consistent product for general deburring, blending, and finishing on all metals and various other products.



S= Silicon Carbide, A= Aluminum Oxide; M= Medium, F= Fine, VF= Very Fine.

- Smear and heat resistant formula for consistent, high quality results
- A more open web construction (6 density) will provide smear-proof and cool cutting on light deburring applications
- Dense web construction (9 density) is a good starting point for deburring, blending, polishing and finishing applications
- Waterproof to allow for applications under dry, wet or oily conditions
- Non-metallic so there is no contamination of work-piece

Part No.	Description	Grade	Case Qty.	Price /Each
0824265	6" x 1/2" x 1"	7SF	4	\$48.38
0824267	6" x 1/2" x 1"	9SM	4	49.24
0824268	6" x 1/2" x 1"	9SF	4	49.24
0824269	6" x 1" x 1"	6AM	3	68.07
0824272	6" x 1" x 1"	6SF	3	68.07
0824273	6" x 1" x 1"	6SVF	3	68.07
0824277	6" x 1" x 1"	7SF	3	68.53
0824278	6" x 1" x 1"	8AM	3	68.93
0824279	6" x 1" x 1"	8AF	3	68.93
0824281	6" x 1" x 1"	8SF	3	68.93
0824282	6" x 1" x 1"	9SM	3	69.40
0824283	6" x 1" x 1"	9SF	3	69.40
0824287	6" x 2" x 1"	7SF	2	111.22
0824288	6" x 2" x 1"	8SM	2	111.86
0824289	6" x 2" x 1"	8SF	2	111.86
0824290	6" x 2" x 1"	9SF	2	112.41
0824291	8" x 1" x 3"	6AM	3	86.31
0824292	8" x 1" x 3"	6SM	3	86.31
0824293	8" x 1" x 3"	6SF	3	86.31
0824294	8" x 1" x 3"	7AM	3	86.88
0824295	8" x 1" x 3"	7SM	3	86.88
0824296	8" x 1" x 3"	7SF	3	86.88
0824297	8" x 1" x 3"	8SM	3	87.36
0824298	8" x 1" x 3"	8AF	3	87.36
0824299	8" x 1" x 3"	8SF	3	87.36
0824300	8" x 1" x 3"	9SM	3	87.93
0824301	8" x 1" x 3"	9SF	3	87.93



Scotch-Brite™ Flap Brush CPFBS

Heavy duty brush excellent for removing handling marks and surface imperfections. Available on 1/4" shaft.



Part No.	Description	Case Qty.	Price /Each
0819088	3" x 1-3/4" A MED 1/4" shank	10	\$29.25

Scotch-Brite Flap Brush CFFB-S

Ideal for decorative finishes and light deburring applications. Available on 1/4" shaft (CFFB-S).



Part No.	Description	Case Qty.	Price /Each
0819089	3" x 1-3/4" A CRS 1/4" shank	10	\$29.25

3M Bristle Products



Scotch-Brite™ Radial Bristle Discs (Thick Bristle)

The 6" radial bristle brush works on most bench motors in place of wire brushes for general maintenance and production. The 3" radial bristle disc works on common high-speed die grinders for tight areas.



Applications:

- Brush on *bench motor* cleans coarse threads without damage; quickly removes heavy rust and grime from metal
- Clean welds effectively
- Remove corrosion and paint from air craft parts
- Scuff metal before painting

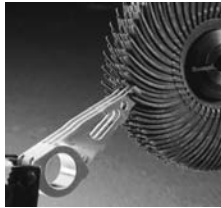
Product Information:

- 6" brushes in 3 grades: 36, 50, and 80 with 3M™ Cubitron™ abrasive grain; adapter for most bench motors included; replacement pack of discs available without adapters.
- 3" discs in 3 grades: 50, 80, and 120 with Cubitron™ mineral. Two mounting styles: 3M™ Roloc™ attachment system and 3/8" center hole. Mandrels required.

Part No.	UPC No.	Size	Grade	Color	Max. RPM	Pkg. Qty.	Case Qty.	Price /Ea
3M Radial Bristle Discs (Thick Bristle)								
0838700	048011242798	3" x 3/8"	50	Green	25,000	10	40	\$7.83
0838701	048011242804	3" x 3/8"	80	Yellow	25,000	10	40	7.83
0838702	048011242811	3" x 3/8"	120	White	25,000	10	40	7.83
3M Radial Brushes (Thick Bristle with adapters)								
0820507	048011276038	6"	36	Dark Brown	10,000	1	5	\$42.72
0820508	048011276069	6"	80	Yellow	10,000	1	5	42.72

Scotch-Brite™ Radial Bristle Discs (Thin Bristle)

The 1" disc is for small areas with heavy duty requirements. The 9/16", 3/4", 2" and 3" radial bristle discs have very flexible bristles for deburring, cleaning, finishing, and polishing detailed parts or tiny areas. With these discs, you can automate many previous manual operations. Replaces chemicals and compounds.



Applications:

- Deburr small plastic and metal casings for hi-tech housings
- Deburr and finish medical implants
- Clean machine marks on soft and hard metals for precision parts or hard-to-reach areas
- Satin finish for watch cases and other small metal products
- Polish many different metals including knife blades, silverware, and jewelry

Product Information:

- 1" discs in 4 grades: 36, 50, 80, and 120; 1/8" center hole. Mandrel required.
- 9/16", 3/4", 2", and 3" come in a wide range of grades. Mandrel required.

3M Radial Bristle Discs (Thin Bristle)

Part No.	UPC No.	Size	Grade	Color	Max. RPM	Pkg. Qty.	Case Qty.	Price /Ea
0838707	048011276144	9/16" x 1/16"	120	White	35,000	48	192	\$0.97
0838708	048011276151	9/16" x 1/16"	P220	Red	35,000	48	192	0.97
0838709	048011276168	9/16" x 1/16"	P400	Blue	35,000	48	192	0.97
0838710	048011276175	9/16" x 1/16"	Pumice	Pink	35,000	48	192	0.97
0838711	048011276199	9/16" x 1/16"	Polish II	Peach	35,000	48	192	0.97
0838712	048011276182	9/16" x 1/16"	Polish I	Lt. Green	35,000	48	192	0.97
0838713	048011257556	3/4" x 1/16"	80	Yellow	35,000	48	192	1.01
0838714	048011257570	3/4" x 1/16"	P220	Red	35,000	48	192	1.01
0838715	048011257587	3/4" x 1/16"	P400	Blue	35,000	48	192	1.01
0838716	048011257594	3/4" x 1/16"	Pumice	Pink	35,000	48	192	1.01
0838717	048011300016	3/4" x 1/16"	6 Micron	Peach	35,000	48	192	1.01
0838718	048011300023	3/4" x 1/16"	1 Micron	Lt. Green	35,000	48	192	1.01
0838719	048011276106	1" x 1/8"	36	Dark Brown	35,000	24	96	1.22
0838720	048011276113	1" x 1/8"	50	Green	35,000	24	96	1.22
0838721	048011276120	1" x 1/8"	80	Yellow	35,000	24	96	1.22
0838722	048011276137	1" x 1/8"	120	White	35,000	24	96	1.22
0838723	048011301181	2" x 3/8"	80	Yellow	30,000	40	80	2.27
0838724	048011301204	2" x 3/8"	120	White	30,000	40	80	2.27
0838725	048011301211	2" x 3/8"	P220	Red	30,000	40	80	2.27

Scotch-Brite™ Radial Bristle Discs (Thin Bristle) Cont.

Part No.	UPC No.	Size	Grade	Color	Max. RPM	Pkg. Qty.	Case Qty.	Price /Ea
0838726	048011301228	2" x 3/8"	P400	Blue	30,000	40	80	\$2.27
0838727	048011301235	2" x 3/8"	Pumice	Pink	30,000	40	80	2.27
0838728	048011301242	2" x 3/8"	6 Micron	Peach	30,000	40	80	2.27
0838729	048011301259	2" x 3/8"	1 Micron	Lt. Green	30,000	40	80	2.27
0838730	048011301266	3" x 3/8"	80	Yellow	20,000	40	80	3.12
0838731	048011301273	3" x 3/8"	120	White	20,000	40	80	3.12
0838733	048011301297	3" x 3/8"	P400	Blue	20,000	40	80	3.12
0838734	048011301303	3" x 3/8"	Pumice	Pink	20,000	40	80	3.12
0838735	048011301310	3" x 3/8"	6 Micron	Peach	20,000	40	80	3.12
0838736	048011301327	3" x 3/8"	1 Micron	Lt. Green	20,000	40	80	3.12

Scotch-Brite™ Bristle Discs (Right Angle Grinder)

These larger 3M bristle discs remove paint, stains, adhesives, weld burns, rust, heavy oxides, and surface contaminants from large areas quickly and easily with no pressure from the operator. Maximum operating speed is suitable for most right angle tools.



Applications:

- Clean hard alloy aluminum inside tanker trucks
- Remove panel laminate from aircraft galley walls
- Remove oxidation and rust from tugboat steel surfaces
- Deburr plastic and aluminum automobile parts

Product Information:

- 4.5" disc in 3 grades: 50, 80, and 120 with Cubitron™ mineral; includes backup pad with 5/8-11 interface
- 7" disc in 50 grade with Cubitron mineral; use with different hardness backup pads for added flexibility on very large areas

Scotch-Brite™ Bristle Discs (Right Angle Grinder)

Part No.	UPC No.	Size	Grade	Color	Max. RPM	Pkg. Qty.	Case Qty.	Price /Ea
0820489	048011242415	4-1/2"	50	Green	12,000	5	10	\$26.12
0820490	048011242422	4-1/2"	80	Yellow	12,000	5	10	26.12
0820491	048011242439	4-1/2"	120	White	12,000	5	10	26.12
0838737	048011276854	7"	50	Green	6,000	5	5	44.39

Scotch-Brite™ Roloc Radial Bristle Discs

These high maximum operating speed discs with a standard Roloc attachment efficiently clean or strip many substances from metal surfaces without damaging the work piece. An operator quickly and easily achieves a quality, consistent finish with light pressure.

Applications:

- Gasket removal in turbine repair
- Remove paint, rust, and dirt from machinery
- Deburr and finish medical implants
- Aircraft paint and rust removal
- Clean and remove light defects from aluminum molds



Product Information:

- Diameters: 1", 2", and 3"
- Grades: 50, 80, and 120 with Cubitron mineral
- 4 Introductory Packs available
- Roloc disc pad holder required

3M Roloc Radial Bristle Discs

Part No.	UPC No.	Size	Grade	Color	Max. RPM	Pkg. Qty.	Case Qty.	Price /Ea
0820492	048011242767	3"	50	Green	25,000	10	40	\$7.83
0820493	048011242774	3"	80	Yellow	25,000	10	40	7.83
0820494	048011242781	3"	120	White	25,000	10	40	7.83
3M Roloc Bristle Discs								
0820475	048011186986	1"	50	Green	30,000	20	80	5.19
0200766	048011187303	2"	50	Green	25,000	10	40	8.18
0200767	048011187327	2"	80	Yellow	25,000	10	40	8.18
0200768	048011187334	2"	120	White	25,000	10	40	8.18
0200769	048011187341	3"	50	Green	18,000	10	40	12.62
0200770	048011187365	3"	80	Yellow	18,000	10	40	12.62
0200771	048011187372	3"	120	White	18,000	10	40	12.62

3M BRISTLE PRODUCTS, WIRE WHEELS & BRUSHES

3M Bristle Products

3M Bristle Products



3M SR Radial Bristle Discs

These plastic abrasive particle-filled products remove 1/16" or less of sealants, silicones, RTVs and adhesives from most surfaces. The unique construction removes the sealant but not the underlying paint or other coating. That means less time for rework.



Applications:

- Sealant removal from access/inspection panel faying surfaces
- Silicone and RTV removal from engine components
- Polysulfide removal from aircraft cargo doors
- Sealant cleaning from fasteners prior to removal
- Smoothing sealant beads between adjacent skin panels (aerodynamic smoothing sealant)
- Sealant removal from window sealing surfaces on fuselage (WARNING- do not use directly on window surfaces as windows may be damaged)

Product Information:

- Diameters: 2" and 3"
- Grades: Not applicable, no mineral used
- Can be used with a variety of 3M™ Mandrels to adjust width
- Highly recommended to run at 12,000 RPM

3M SR Radial Bristle Discs

Part No.	UPC No.	Size	Grade	Color	Max. RPM	Pkg. Qty.	Case Qty.	Price /Ea
0838738	048011300979	2" x 3/8"	SR	Cream	20,000	10	40	\$4.74
0838739	048011300986	3" x 3/8"	SR	Cream	20,000	10	40	5.12

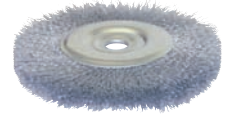
3M Bristle Products Accessories

Part No.	UPC No.	Description	Price /Ea
0838740	048011276809	Mandrel	\$2.19
0838741	048011276816	Mandrel	4.47
0838742	048011276823	Mandrel	3.25
0838743	048011276830	Mandrel	4.79
0838745	048011276847	3M Mandrel, 1/4" shank x 1/8" screw	5.21
0819152	048011150123	3M Mandrel #990, 1/4" shank	20.67
0820395	048011276847	3M Mandrel #991	16.81
0838746	048011301334	Tapered Spindle Adapter	3.02
0838747	048011300009	3M Brush Shaft Adapter	6.08
0838748	048011301341	3M Brush Extender Spacer	8.14
0838749	048011276281	Mandrel	5.42
0819025	051144451012	3M Roloc Disc Pad Holder 1" MED	13.58
0200772	051144451012	3M Roloc Disc Pad Holder 2" MED	16.50
0819760	051144450961	Medium	16.50
0200773	05114445923	Hard	20.12
0819759	051144450916	Hard	20.12
0203687	048011292984	1/4" shank	2.78
0821197	051144451920	Disc Pad Face Plate 7" HARD	40.01
0821198	051144451937	Disc Pad Face Plate 7" MED	40.01
0819027	051144452057	Disc Pad Hub 2-1/2"	21.54
0819394	051144056200	Disc Retainer Nut 5/8" x 5/8"-11	4.48
0838751	048011150604	3M No. 7 Roloc + Button	0.22
0820347	048011149158	Roloc + Button 1 and 7 ComboPack	15.88

Wire Wheels and Brushes



Crimped Wire Wheels



Part No.	Size	Arbor Size	Price /Each
0838659	6" Narrow Face	5/8"-1/2"	\$10.57
0838660	6" Wide Face	5/8"-1/2"	13.20
0838661	8" Wide Face	5/8"	20.49



Crimped Wire Wheel Brushes

Solid ring construction ensures smooth operation and durability under extreme situations. Constructed for perfect balance that reduces vibration during use and increases brush life. For use with bench grinders: Cleaning rust, light deburring, edge blending, roughening, finishing, paint preparation



Part No.	Diameter	Std. Wire Size	Std. Arbor Hole	Trim Lgth.	Face Width	Thk. at Face Plates (+1/32")	Max. Safe Speed	Price /Each
Narrow Face - Flexible brushing action for irregular surfaces								
0201143	4"	.008"	1/2"-3/8"‡	7/8"	1/2"	7/16"	6000	\$18.74
0201144	4"	.0118"	1/2"-3/8"‡	7/8"	1/2"	7/16"	6000	15.42
0201145	4"	.014"	1/2"-3/8"‡	7/8"	1/2"	7/16"	6000	15.03
0201146	6"	.006"	5/8"-1/2"‡	1-7/16"	3/4"	7/16"	6000	42.01
0201147	6"	.008"	5/8"-1/2"‡	1-7/16"	3/4"	7/16"	6000	24.44
0204070*	6"	.0104"	5/8"-1/2"‡	1-7/16"	3/4"	7/16"	6000	45.36
0202132	6"	.0118"	5/8"-1/2"‡	1-7/16"	3/4"	7/16"	6000	19.70
0202133*	6"	.0118"	5/8"-1/2"‡	1-7/16"	3/4"	7/16"	6000	42.21
5138-01075	6"	.014"	5/8"-1/2"‡	1-7/16"	3/4"	7/16"	6000	18.74
5138-01175	8"	.014"	5/8"	2-1/16"	3/4"	1/2"	6000	26.33
5138-01248	10"	.0118"	3/4"	2-1/2"	3/4"	5/8"	4000	37.57
0813156	12"	.014"	1-1/4"	2-15/16"	3/4"	1/2"	3000	44.61
Medium Face - Greater fill density, less flexibility								
5138-06080	6"	.014"	2"	1-1/8"	1"	15/16"	6000	36.04
0204071*	8"	.0118"	2"	1-3/8"	1"	1"	4000	85.33
5138-06120	8"	.014"	2"	1-3/8"	1"	1"	4000	52.96
5138-06150	10"	.0118"	2"‡	2"	1-1/8"	1"	3600	88.23
5138-06530*	10"	.0118"	2"‡	2"	1-1/8"	1"	3600	144.43
Wide Face - Aggressive brushing offers more surface area in a single pass								
0813189	6"	.006"	2"	1-1/8"	1-1/4"	1"	6000	141.21
5138-03070	6"	.014"	2"	1-1/8"	1-1/4"	1"	6000	51.22
5138-03520*	6"	.014"	2"	1-1/8"	1-1/4"	1"	6000	111.74
5138-03150	8"	.014"	2"	1-3/8"	1-1/2"	1-3/8"	4000	75.21
5138-03200	10"	.014"	2"	1-7/8"	1-5/8"	1-5/8"	4000	133.11
5138-03230	12"	.014"	2"	2-7/8"	1-5/8"	1-9/16"	3000	163.09
5138-03680*	12"	.014"	2"	2-7/8"	1-5/8"	1-9/16"	3000	216.44

*• Signifies Stainless Steel Part Number

‡with 1/2" - 1/4" double keyway

‡Features plastic snap-out arbor hole adapter

Wire Wheels and Brushes Cont.



Arbor Adapter 5/8"-11 to M10 x 1.25



Part No.	Price /Each
0838662	\$5.55



Metal Arbor Adapters



For 2" arbor holes

Part No.	Size	UOM	Price /Pair
5138-03809	2"-1/2"	Pair	\$2.31
5138-03810	2"-5/8"	Pair	2.31
5138-03811	2"-3/4"	Pair	2.31
5138-03812	2"-1"	Pair	2.31
5138-03813	2"-1-1/4"	Pair	2.31

Order by number of pairs required

Light Duty Crimped Wire Wheel Brushes

Bench grinder brushes offer a lower-cost, commercial-grade brushing tool for general purpose brushing. For use with bench grinders: deburring, flash removal, edge blending, roughening, finishing, general purpose



Part No.	Diameter	Std. Wire Size	Std. Arbor Hole	Trim Lgth.	Face Width	Thk. at Face Plates (+1/32")	Max. Safe Speed	Price /Each
Medium Face								
5138-02325	6"	.014"	5/8"-1/2"	1-1/16"	5/8"	1/2"	6000	\$22.27
Wide Face								
5138-06645	6"	.014"	5/8"-1/2"	1-1/8"	7/8"	7/8"	6000	26.79
5138-06655	7"	.014"	5/8"	1-5/8"	7/8"	7/8"	6000	31.30

*Features plastic snap-out arbor hole adapter



Standard Twist Knotted Wire Brush, Coarse Wire 5-8"-11 Hub



Part No.	Size	Arbor Size	RPM Max	Price /Each
0838651	4"	5/8"-11	12,500	\$16.00
0838657	6"	5/8"-11	11,000	23.94
0838658	6"	5/8"-1/2"	11,000	20.82



Knot Wire Wheel Brushes



Rugged knot construction provides aggressive brushing action. For use with bench grinders: cleaning rust and scale, flash removal, edge blending, roughening, deburring, plating preparation

Part No.	Diameter	Std. Wire Size	Std. Arbor Hole	Trim Lgth.	Face Width	Thk. at Face Plates (+1/32")	Max. Safe Speed	Price /Each
Standard Twist								
5138-08085	6"	.014"	5/8"-1/2"†	1-3/8"	1/2"	9/16"	9000	\$30.01
0203652*	6"	.016"	5/8"-1/2"†	1-3/8"	1/2"	9/16"	9000	67.95
0204072	8"	.014"	5/8"	1-5/8"	5/8"	1/2"	6000	48.21
Standard Twist - Wide Face (Double Sections)								
5138-09410	8"	.0118"	2"	1-5/8"	1"	1"	6000	95.79
5138-09460	10"	.0118"	2"	1-3/4"	1-1/4"	1-1/4"	4500	136.96
5138-09530	12"	.016"	2"	2-3/4"	1-1/4"	1-1/4"	3600	168.52
Cable Twist-maximum impact for severe applications								
5138-08565	6"	.023"	5/8"-1/2"†	1-3/8"	3/8"	9/16"	9000	24.86
5138-08695*	6"	.023"	5/8"-1/2"†	1-3/8"	3/8"	9/16"	9000	56.64
5138-08615	8"	.023"	5/8"	1-5/8"	1/2"	1/2"	6000	46.24
5138-08879	10"	.023"	1-1/4"‡	1-3/4"	1/2"	3/4"	4500	57.29
Brass Knot Wire Wheel								
0204076	3"	.0118"			3/8"		20000	27.98

*signifies Stainless Steel Part Number

†Features plastic snap-out arbor hole adapter

‡+ With 5/16 x 5/32 double keyway

Small Diameter Knot Wire Wheel Brushes

For use with air tools: rust removal, juncture blending, burr removal, surface refinement, work in confined spaces



Part No.	Diameter	Std. Wire Size	Std. Arbor Hole	Trim Lgth.	Face Width	Thk. at Face Plates (+1/32")	Max. Safe Speed	Price /Each
Standard Twist								
5138-08014	3"	.014"	1/2"-3/8"†	5/8"	3/8"	7/16"	25000	\$17.48
5138-08264*	3"	.014"	1/2"-3/8"†	5/8"	3/8"	7/16"	25000	31.10
0202137	3"	.020"	1/2"-3/8"†	5/8"	3/8"	7/16"	25000	17.87
0202138*	4"	.0118"	1/2"-3/8"†	7/8"	1/2"	7/16"	20000	36.83
5138-08314	4"	.020"	1/2"-3/8"	7/8"	1/2"	7/16"	20,000	35.45
5138-08044	4"	.014"	1/2"-3/8"†	7/8"	1/2"	7/16"	20000	19.18
5138-08294*	4"	.014"	1/2"-3/8"†	7/8"	1/2"	7/16"	20000	36.07
Standard Twist - Wide Face (Double Sections)								
5138-09104	3"	.0118"	1/2"-3/8"†	5/8"	3/4"	3/4"	22000	37.84
5138-09134	4"	.0118"	1/2"-3/8"†	7/8"	3/4"	3/4"	20000	44.76

* Signifies Stainless Steel Part Number

†Features plastic snap-out arbor hole adapter

Silicon carbide abrasive filament brushes, basic sections work with a wiping and filing action for deburring and finishing. Think of them as Flexible files.

Part No.	Size	Grit	Trim Lgth.	Max. RPM	Price /Each
0813751	6" x 1" x 2"	320	1-1/2"	6,000	\$37.03
0813752	6" x 1" x 2"	180	1-1/2"	6,000	37.03
0813753	6" x 1" x 2"	120	1-1/2"	6,000	37.03
0813754	8" x 1" x 2"	320	2-1/2"	5,000	57.93
0813755	8" x 1" x 2"	180	2-1/2"	5,000	57.93
0813756	8" x 1" x 2"	120	2-1/2"	5,000	57.93

WIRE WHEELS AND BRUSHES

Wire Wheels and Brushes Cont.



Cup Brush—Crimped Wire 5-8"-11 Hub



Part No.	Size	Max Rpm	Price /Each
0838647	2-3/4"	12,500	\$12.88
0838652	5"	6,500	20.98



Sander/Grinder Wire Brushes

For use with large sander/grinders: rust removal, deburring, weld scale removal, roughening, metal surface prep, weld preparation



Crimped Wire Cup Light duty brushing

Part No.	Diameter	Std. Wire Size	Std. Arbor Hole	Trim Lgth.	Max. Safe Speed	Price /Each
5138-14026	4"	.014"	5/8"-11	1-3/8"	9000	\$27.14
5138-14036	4"	.020"	5/8"-11	1-3/8"	9000	25.44
5138-14126	4"	.020"	5/8"-11	1-3/8"	9000	57.34
0202140*	5"	.020"	5/8"-11	1-1/4"	8000	34.34
0202141†	6"	.014"	5/8"-11	1-1/4"	6600	44.97
5138-14076†	6"	.020"	5/8"-11	1-1/4"	6600	39.23
5138-14166*†	6"	.020"	5/8"-11	1-1/4"	6600	88.98

* Signifies Stainless Steel Part Number

† with internal nut



Wire Cup Brushes, Coarse Wire 1/4" Shank



Part No.	Size	Max Rpm	Price /Each
0838645	1-1/2"	4,500	\$5.02
0838646	3"	6,500	6.99



Small Angle Grinder Wire Brushes

For use with small sander/grinders: rust removal, deburring, weld scale removal, roughening, metal surface prep, weld preparation



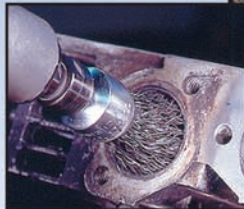
Crimped Wire Cup - Greater flexibility for flat surfaces or fine finish

Part No.	Diameter	Std. Wire Size	Std. Arbor Hole	Trim Lgth.	Max. Safe Speed	Price /Each
0202148	3"	.014"	M-10 x 1.25	1"	14000	\$18.93
0202149	3"	.014"	M-10 x 1.50	1"	14000	18.93
0202150	3"	.014"	1/2"-13 UNC	1"	14000	18.93
5138-13245	3"	.014"	5/8"-11 UNC	1"	14000	18.01
5138-13181	3-1/2"	.014"	5/8"-11 UNC	7/8"	12000	21.73
5138-13188*	3-1/2"	.014"	5/8"-11 UNC	7/8"	12000	37.33

* signifies Stainless Steel Part Number

Deburring, Cleaning or Finishing Problem?

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- ▼ Experienced, responsive service team

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WIRE WHEELS AND BRUSHES

Wire Wheels and Brushes Cont.



Knot Wire Cup - For aggressive cleaning of large surface areas

Part No.	Diameter	Std. Wire Size	Std. Arbor Hole	Trim Lgth.	Max. Safe Speed	Price /Each
5138-13025	2-3/4"	.014"	5/8"-11 UNC	1"	14000	\$19.92
0202151	2-3/4"	.020"	M-10 x1.25	1"	14000	19.74
0202153	2-3/4"	.020"	1/2"-13 UNC	1"	14000	19.74
5138-13286	2-3/4"	.020"	5/8"-11 UNC	1"	14000	18.98
5138-13258*	2-3/4"	.020"	5/8"-11 UNC	1"	14000	30.42
5138-13156	3-1/2"	.023"	5/8"-11 UNC	7/8"	13000	22.80
5138-13163*	3-1/2"	.023"	5/8"-11 UNC	7/8"	13000	41.89

* Signifies Stainless Steel Part Number



Standard Twist Knot Wire Wheel for Broader cleaning coverage

Part No.	Diameter	Std. Wire Size	Std. Arbor Hole	Trim Lgth.	Max. Safe Speed	Price /Each
0204078	4"	.014"	5/8"-11 UNC	7/8"	20000	\$20.71
0204079*	4"	.014"	5/8"-11 UNC	7/8"	20000	32.45
0202154	4"	.020"	M-10x1.25	7/8"	20000	21.44
0202155	4"	.020"	M-10x1.50	7/8"	20000	21.44
0202156	4"	.020"	1/2"-13 UNC	7/8"	20000	21.44
0202157	4"	.020"	5/8"-11 UNC	7/8"	20000	21.44

* Signifies Stainless Steel Part Number



Stringer Bead Twist Wheel - Narrow brush face for hard to reach areas

Part No.	Diameter	Std. Wire Size	Std. Arbor Hole	Trim Lgth.	Max. Safe Speed	Price /Each
0202158	4"	.020"	M-10x1.25	7/8"	20000	\$17.84
0202159*	4"	.020"	M-10x1.25	7/8"	20000	28.40
0202160	4"	.020"	M-10x1.50	7/8"	20000	17.83
0202161	4"	.020"	1/2"-13 UNC	7/8"	20000	17.83
5138-13131	4"	.020"	5/8"-11 UNC	7/8"	20000	16.98
5138-13138*	4"	.020"	5/8"-11 UNC	7/8"	20000	28.40

* Signifies Stainless Steel Part Number

Cable Twist Knot Wire Wheel- for high impact cleaning action

Part No.	Diameter	Std. Wire Size	Std. Arbor Hole	Trim Lgth.	Max. Safe Speed	Price /Each
5138-13266	4"	.020"	5/8"-11 UNC	7/8"	20000	\$21.16



Crimped Wire Wheel - Flexible brushing action for irregular surfaces

Part No.	Diameter	Std. Wire Size	Std. Arbor Hole	Trim Lgth.	Max. Safe Speed	Price /Each
5138-13077	4"	.014"	M14x2.0	7/8"	14000	\$15.94
5138-13081	4"	.014"	5/8"-11 UNC	7/8"	14000	15.94

Small Diameter Wire Brushes

For use with air tools and portable drills: rust removal, juncture blending, burr removal, surface refinement, works in confined spaces



Part No.	Diameter	Std. Wire Size	Std. Arbor Hole	Face Width	Max. Safe Speed	Price /Each
Copper Center						
0204080	1-3/8"	.008"	1/4"	1/4"	20000	\$5.15
5138-15443	2"	.008"	1/2"	3/8"	20,000	7.09
0203708	2"	.014"	1/2"-3/8"	3/8"	20000	5.27
5138-15513	2-1/2"	.0118"	1/2"-3/8"	1/2"	20,000	6.07
0204081	2-1/2"	.014"	1/2"-3/8"	1/2"	20000	5.74
0203709	3"	.014"	1/2"-3/8"	5/8"	20000	6.29
0204082*	3"	.014"	1/2"-3/8"	5/8"	20000	12.38
Polyflex Copper Center - Encapsulated wire for controlled brushing face, maximum cutting action						
0203710	2"	.014"	1/2"	1/4"	20000	15.78
0203711	3"	.014"	1/2"	1/4"	20000	17.54

Drive Arbors

Part No.	Diameter	Price /Each
0203712	1/2" Arbor Diameter, 1/4" shank Diameter for brushes up to 4" diameter-25000 rpm max	\$4.11
5138-07727	3/8" Arbor Diameter, 1/4" shank Diameter for brushes up to 4" diameter-25000 rpm max	4.34

* Signifies Stainless Steel Part Number



Crimped Wire End Brushes Coarse Wire 1/4" Shank



Part No.	Material	Size	Max Rpm	Price /Each
0838643	Steel	3/4"	20,000	\$4.78
0838655	Steel	1"	20,000	7.98
0838665	Stainless Steel	1"	20,000	13.45

Knotted Wire End Brushes X-Coarse Wire 1/4" Shank



Part No.	Size	Max Rpm	Price /Each
0838644	3/4"	20,000	\$7.74
0838656	1-1/8"	20,000	10.25



Crimped Mounted End Brushes



For use with portable drills, drill presses and air tools: rust removal, deburring, weld scale removal, roughening, metal surface prep., and weld preparation

Crimped Wire End Brushes - For light duty - General Purpose Applications

Part No.	Diameter	Std. Wire Size	Stem Dia.	Trim Lgth.	Max. Safe Speed	Price /Each
0202164	1/2"	.006"	1/4"	7/8"	25000	\$7.19
0202165*	1/2"	.006"	1/4"	7/8"	25000	9.66
0202166	1/2"	.0104"	1/4"	7/8"	25000	6.15
0202167*	1/2"	.0104"	1/4"	7/8"	25000	8.26
0202168	1/2"	.014"	1/4"	7/8"	25000	6.32
0202169*	1/2"	.014"	1/4"	7/8"	25000	8.51
0202170*	1/2"	.020"	1/4"	7/8"	25000	9.14
0202171	3/4"	.006"	1/4"	7/8"	22000	11.43
0202172*	3/4"	.006"	1/4"	7/8"	22000	12.58
0202173	3/4"	.0104"	1/4"	7/8"	22000	8.03
0202174*	3/4"	.0104"	1/4"	7/8"	22000	10.88
0202175	3/4"	.020"	1/4"	7/8"	22000	7.43
0202176	1"	.006"	1/4"	1"	22000	14.77
0204073*	1"	.006"	1/4"	1"	22000	18.66
0202177	1"	.0104"	1/4"	1"	22000	9.76
0202178*	1"	.0104"	1/4"	1"	22000	17.20
5138-10011	1"	.014"	1/4"	1"	22000	9.47
0202180	1"	.020"	1/4"	1"	22000	9.46

WIRE WHEELS AND BRUSHES

Wire Wheels and Brushes Cont.



Crimped Mounted End Brushes Cont.



Coated Cup, protects the work surface from being scratched

Part No.	Diameter	Std. Wire Size	Stem Dia.	Trim Lgth.	Max. Safe Speed	Price /Each
0204075	3/4"	.0104"	1/4"	7/8"	22000	\$10.50

Circular Flared End Brush-Crimped Wire- Natural working angle, broad range of surfaces

Part No.	Diameter	Std. Wire Size	Stem Dia.	Trim Lgth.	Max. Safe Speed	Price /Each
5138-10038	1-1/2"	.020"	1/4"	-	20000	\$10.16
0202182	3"	.008"	1/4"	-	16000	18.30
0202183	3"	.020"	1/4"	-	16000	15.07

Knot Wire End -High Impact, Aggressive Action-For severe applications

Part No.	Diameter	Std. Wire Size	Stem Dia.	Trim Lgth.	Max. Safe Speed	Price /Each
0202184	3/4"	.014"	1/4"	7/8"	22000	\$14.69
0202185*	3/4"	.014"	1/4"	7/8"	22000	21.90
0202186	3/4"	.020"	1/4"	7/8"	22000	13.97
0204074	1-1/8"	.006"	1/4"	1-1/8"	20000	31.29
0202187	1-1/8"	.014"	1/4"	7/8"	22000	14.87
0202188*	1-1/8"	.014"	1/4"	7/8"	22000	27.90
0202189	1-1/8"	.020"	1/4"	7/8"	22000	14.57
5138-10142	1-1/8"	.006"	1/4"	1-1/8"	20,000	39.00

* Signifies Stainless Steel Part Number

Stem Mounted Brushes

For use with air tools, portable drills, honing, deburring, thread chasing, pipe fitting, and cleaning holes.



Part No.	Diameter	Std. Wire Size	Stem Dia.	Face Width	Max. Safe Speed	Price
0202190	2"	.006"	1/4"	3/8"	20000	\$13.30
0202191	2"	.0118"	1/4"	3/8"	20000	11.70
0202192*	2"	.0118"	1/4"	3/8"	20000	18.21
0202193	3"	.008"	1/4"	1/2"	20000	15.47
0202194	3"	.0118"	1/4"	1/2"	20000	11.50
5138-17617	3"	.014"	1/4"	1/2"	20,000	11.60
0202195*	3"	.014"	1/4"	1/2"	20000	24.95

Encapsulated Wire Wheel - Encapsulated wire for controlled brushing face, maximum cutting action

Part No.	Diameter	Std. Wire Size	Stem Dia.	Face Width	Max. Safe Speed	Price /Each
0202196	2"	.0118"	1/4"	1/4"	20000	\$19.17
0202197	3"	.0118"	1/4"	1/4"	20000	32.36

Knot Wire Wheel - Aggressive brushing applications

Part No.	Diameter	Std. Wire Size	Stem Dia.	Face Width	Max. Safe Speed	Price /Each
5138-17681	3"	.014"	1/4"	3/8"	25000	\$20.20
0204077	3"	.020"	1/4"	3/8"	25000	20.38
0202199	4"	.014"	1/4"	1/2"	20000	22.41

Utility Crimped Wire Cup - General purpose brushing applications

Part No.	Diameter	Std. Wire Size	Stem Dia.	Max. Safe Speed	Price /Each
5138-14301	1-3/4"	.0118"	1/4"	13000	\$10.06
5138-14302	2-3/4"	.0118"	1/4"	6,000	14.61

* Signifies Stainless Steel Part Number



Wire Wheels 1/4" Shank

Part No.	Size	Max Rpm	Price /Each
0838640	2" Coarse	4,500	\$6.84
0838641	3" Coarse	4,500	7.33
0838642	3" Fine	4,500	7.33



Power Tube Brushes

For use with drill presses and portable drills: honing, deburring, thread chasing, pipe fitting, cleaning holes, blind holes

Part No.	Diameter	Std. Wire Size	Stem Dia.	Brush Lgth.	Overall Lgth.	Price
0202200	1/4"	.004"	1/8"	1"	3-1/2"	\$4.23
0202201	3/8"	.004"	1/8"	1"	3-1/2"	4.42
0202202	1/2"	.005"	3/16"	1"	3-1/2"	4.24
0202203	5/8"	.005"	3/16"	1"	3-1/2"	4.41
0202204	3/4"	.006"	7/32"	1"	3-1/2"	4.75
0202224	7/8"	.006"	7/32"	1"	3-1/2"	5.09
0202225	1"	.008"	1/4"	1"	3-1/2"	5.08

Double Spiral, Fine Wire - General purpose cleaning and deburring

Part No.	Diameter	Std. Wire Size	Stem Dia.	Brush Lgth.	Overall Lgth.	Price /Each
0202226	1/2"	.006"	5/32"	2"	5"	\$10.44
0202227	5/8"	.005"	7/32"	2"	5"	10.73
0202228	3/4"	.006"	1/4"	2-1/2"	5-1/2"	11.01
0202229	7/8"	.006"	1/4"	2-1/2"	5-1/2"	11.85
0202214	1"	.006"	1/4"	2-1/2"	5-1/2"	11.41

Double Spiral, Medium Wire - More aggressive cleaning and deburring

Part No.	Diameter	Std. Wire Size	Stem Dia.	Brush Lgth.	Overall Lgth.	Price /Each
0202215	3/4"	.0104"	1/4"	2-1/2"	5-1/2"	\$10.44
0202216	7/8"	.0104"	1/4"	2-1/2"	5-1/2"	10.39
0202217	1"	.0104"	1/4"	2-1/2"	5-1/2"	10.73

*Suggested guidelines to avoid unsafe conditions: 1) minimize the overhang of the stem to under one inch, and 2) run the brush at speeds below 2,000 RPM.



Cup Brush-Knotted X-Coarse Wire 5-8"-11 Hub

Part No.	Size	Max Rpm	Price /Each
0838648	2-3/4"	12,500	\$12.88
0838653	4"	8,500	25.23
0838654	6"	6,500	31.43

Wire Wheels and Brushes Cont.



Sander/Grinder Wire Brushes



Knot Wire Cup - Aggressive brushing action

Part No.	Std. Wire Dia.	Std. Arbor Size	Std. Hole	Trim Lgth.	Max. Safe Speed	Price /Each
5138-12306	4"	.014"	5/8"-11	1-1/4"	9000	\$30.85
5138-12406*	4"	.014"	5/8"-11	1-1/4"	9000	64.41
5138-12316	4"	.023"	5/8"-11	1-1/4"	9000	28.23
5138-12276†	5"	.023"	5/8"-11	1-3/8"	7000	45.08
5138-12356	6"	.014"	5/8"-11	1-3/8"	6600	61.03
5138-12456*	6"	.014"	5/8"-11	1-3/8"	6600	125.17
5138-12376	6"	.023"	5/8"-11	1-3/8"	6600	58.79

* Signifies Stainless Steel Part Number
†with internal nut



Stringer Bead X-coarse Wire Brushes 5-8"-11 Hub



Part No.	Size	Max Rpm	Price /Each
0838649	4"	12,500	\$16.00
0838664	4" SS	12,500	25.96
0838650	6-1/2"	9,000	22.60



Sander/Grinder Wire Brushes



Stringer Bead Knot Wire Wheel - Tightly twisted knot wire for narrow face brushing

Part No.	Std. Wire Dia.	Std. Arbor Size	Std. Hole	Trim Lgth.	Max. Safe Speed	Price /Each
5138-13131	4"	.020"	5/8"-11 UNC	7/8"	20000	\$16.98
5138-08756	5"	.020"	5/8"-11	7/8"	12,500	18.25
5138-08806*	5"	.020"	5/8"-11	7/8"	12,500	33.98
5138-08766	6"	.020"	5/8"-11	1-3/8"	12,500	23.00
5138-08786*	6"	.020"	5/8"-11	1-3/8"	12,500	43.11
5138-09400	6"	.020"	5/8"-11	1-1/8"	12,500	25.46
0202144	6"	.023"	5/8"-1/2"†	1-3/8"	12,500	26.36
0202145	6"	.023"	5/8"-11	1-3/8"	12,500	26.16
0202146	6"	.023"	5/8"-11	1-1/4"	12,500	30.93
5138-09000	6-7/8"	.020"	5/8"-11	1-1/8"	9000	27.02
5138-09200*	6-7/8"	.020"	5/8"-11	1-1/8"	9000	44.97

* Signifies Stainless Steel Part Number
†Features plastic snap-out plastic adapter

Platers Brushes

Hardwood block. For general cleaning in the plating, metal finishing, aircraft and missile industries. Also used with inert arc aluminum welding.



Part No.	Brush Lgth.	Material	Price /Each
0814098	5-1/2"	Brass	\$7.51
0814099	5"	Brass	10.60



Stainless Steel Scratch Brush



Part No.	Description	Price
0838682	3" x 7" w/ Plastic Handle	\$9.95

Acid Brush



Part No.	Price
0838683	\$11.94

Double Spiral Tube Brush



Part No.	Size	Price
0838684	3/8" x .003	\$13.08
0838685	1/2" x .006	12.90
0838686	5/8" x .005	12.42

Nylon Tube Brush



Part No.	Size	Price
0838688	1/4"	\$1.75
0838689	3/8"	2.10
0838690	1/2"	2.21
0838687	3/4"	2.47



Nylon Tube Brush

Loop handle, straight black nylon fill



Part No.	Std. Wire Dia.	Std. Wire Size	Brush Lgth.	Stem Dia.	Overall Lgth.	Price /Ea
0814091	1/4"	.005"	2"	3/32"	6-1/4"	\$1.50
0814113	3/8"	.005"	2"	3/32"	6-1/4"	1.71
0814092	1/2"	.010"	3"	3/32"	8-1/2"	1.83
0814093	3/4"	.012"	3"	3/32"	8-1/2"	2.06
0814094	1-1/4"	.014"	4"	5/32"	13"	3.70
0814095	2"	.014"	5"	3/16"	16-3/4"	5.29

For internal cleaning and deburring of copper tube fittings. Also used in trucking and marine industries as a light socket cleaning brush.

Part No.	Diameter	Brush Lgth.	Overall Lgth.	Price /Ea
0814081	3/8"	1"	6-1/2"	\$3.68
0814082	1/2"	1"	6-1/2"	3.52
0814083	3/4"	1"	6-1/2"	3.68



4 in 1 Tube and Fitting Brush



Part No.	For Tube I.D	For Tube O.D	Price
0838691	1/2" & 3/4"	5/8" & 7/8"	\$24.03

Synthetic Parts Cleaning Brush



Part No.	Price
0838692	\$3.45

**JOBS THIS RUGGED
DESERVE THE
BEST**

CARBIDE BURRS

Carbide Burrs



BURR MONSTER

Cylinder Shape Burrs-Style SA Solid Carbide



Double Cut



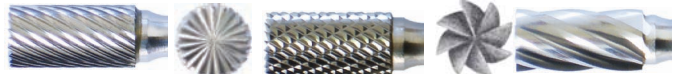
Single Cut



Aluma

Shape	Cut Dia.	LOC	Shank Dia.	Double Cut		Single Cut		Aluma	
				Part No.	Price /Each	Part No.	Price /Each	Part No.	Price /Each
SA-41	1/16"	1/4"	1/8"	0361619	\$3.60	0361660	\$3.60		
SA-41L2	1/16"	1/4"	1/8"	0361620	4.93	0361661	4.93		
SA-41L3	1/16"	1/4"	1/8"	0361621	6.12	0361662	6.12		
SA-61	1/16"	1/4"	3/32"	0361622	4.28	0361663	4.28		
SA-63	3/32"	3/8"	3/32"	0361623	4.28	0361664	4.28		
SA-42	3/32"	7/16"	1/8"	0361624	3.60	0361665	3.60		
SA-42L2	3/32"	7/16"	1/8"	0361625	4.93	0361666	4.93		
SA-42L3	3/32"	7/16"	1/8"	0361626	6.12	0361667	6.12		
SA-11	1/8"	1/2"	1/4"	0361627	7.57	0361668	7.57		
SA-43	1/8"	9/16"	1/8"	0361628	3.60	0361669	3.60		
SA-43L2	1/8"	9/16"	1/8"	0361629	4.93	0361670	4.93		
SA-43L3	1/8"	9/16"	1/8"	0361630	6.12	0361671	6.12		
SA-12	1/8"	5/8"	1/4"	0361631	10.20	0361672	10.20		
SA-52	5/32"	1/2"	1/8"	0361632	8.07	0361673	8.07		
SA-13	5/32"	5/8"	1/4"	0361633	7.57	0361674	7.57		
SA-81	3/16"	5/8"	3/16"	0361634	7.57	0361675	7.57		
SA-53	3/16"	1/2"	1/8"	0361635	8.07	0361676	8.07		
SA-14	3/16"	5/8"	1/4"	0361636	7.57	0361677	7.57		
SA-51	1/4"	1/2"	1/8"	0361637	8.07	0361678	8.07		
SA-1	1/4"	5/8"	1/4"	0361638	8.66	0361679	8.66		
SA-1A	1/4"	1"	1/4"	0361639	9.25	0361680	9.25		
SA-1L6	1/4"	1/2"	1/4"	0361640	16.89	0361681	16.89		
SA-1NF	1/4"	3/4"	1/4"					0361641	\$12.06
SA-2	5/16"	3/4"	1/4"	0361642	8.53	0361682	8.53		
SA-3	3/8"	3/4"	1/4"	0361643	8.62	0361683	8.62		
SA-3A	3/8"	1"	1/4"	0361644	14.06	0361684	14.06		
SA-3L6	3/8"	3/4"	1/4"	0361645	16.84	0361685	16.84		
SA-3NF	3/8"	3/4"	1/4"					0361646	15.90
SA-3X	3/8"	1-1/2"	1/4"	0361647	10.75	0361686	10.75		
SA-4	7/16"	1"	1/4"	0361648	13.09	0361687	13.09		
SA-5	1/2"	1"	1/4"	0361649	13.47	0361688	13.47		
SA-5L6	1/2"	1"	1/4"	0361650	21.69	0361689	21.69		
SA-5NF	1/2"	1"	1/4"					0361651	21.82
SA-6	5/8"	1"	1/4"	0361652	17.22	0361690	17.22		
SA-6NF	5/8"	1"	1/4"					0361653	32.79
SA-15	3/4"	1/2"	1/4"	0361654	45.92	0361691	45.92		
SA-16	3/4"	3/4"	1/4"	0361655	28.60	0361692	28.60		
SA-7	3/4"	1"	1/4"	0361656	29.19	0361693	29.19		
SA-7NF	3/4"	1"	1/4"					0361657	42.76
SA-8	7/8"	1"	1/4"	0361658	56.18	0361694	56.18		
SA-9	1"	1"	1/4"	0361659	61.16	0361695	61.16		

Cylinder Shape Burrs with End Cut-Style SB Solid Carbide

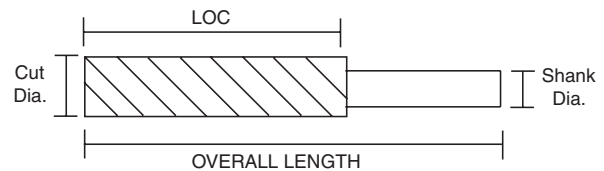


Double Cut

Single Cut

Aluma

Shape	Cut Dia.	LOC	Shank Dia.	Double Cut		Single Cut		Aluma	
				Part No.	Price /Each	Part No.	Price /Each	Part No.	Price /Each
SB-41	1/16"	1/4"	1/8"	0361729	\$3.60	0361696	\$3.60		
SB-41L2	1/16"	1/4"	1/8"	0361730	4.93	0361697	4.93		
SB-41L3	1/16"	1/4"	1/8"	0361731	6.12	0361698	6.12		
SB-42	3/32"	7/16"	1/8"	0361732	3.60	0361699	3.60		
SB-42L2	3/32"	7/16"	1/8"	0361733	4.93	0361700	4.93		
SB-42L3	3/32"	7/16"	1/8"	0361734	6.12	0361701	6.12		
SB-11	1/8"	1/2"	1/4"	0361735	7.57	0361702	7.57		
SB-12	1/8"	5/8"	1/4"	0361736	7.57	0361703	7.57		
SB-43	1/8"	9/16"	1/8"	0361737	3.60	0361704	3.60		
SB-43L2	1/8"	9/16"	1/8"	0361738	4.93	0361705	4.93		
SB-43L3	1/8"	9/16"	1/8"	0361739	6.12	0361706	6.12		
SB-13	5/32"	5/8"	1/4"	0361740	7.57	0361707	7.57		
SB-14	3/16"	5/8"	1/4"	0361741	7.57	0361708	7.57		
SB-51	1/4"	3/16"	1/8"	0361742	8.07	0361709	8.07		
SB-1	1/4"	5/8"	1/4"	0361743	8.66	0361710	8.66		
SB-1A	1/4"	1"	1/4"	0361744	15.79	0361711	15.79		
SB-1NF	1/4"	3/4"	1/4"					0361712	\$14.25
SB-2	5/16"	3/4"	1/4"	0361745	10.53	0361713	10.53		
SB-3	3/8"	3/4"	1/4"	0361746	11.86	0361714	11.86		
SB-3A	3/8"	1"	1/4"	0361747	15.31	0361715	15.31		
SB-3NF	3/8"	3/4"	1/4"					0361716	18.09
SB-3X	3/8"	1-1/2"	1/4"	0361748	16.91	0361717	16.91		
SB-4	7/16"	1"	1/4"	0361749	18.00	0361718	18.00		
SB-5	1/2"	1"	1/4"	0361750	20.37	0361719	20.37		
SB-5NF	1/2"	1"	1/4"					0361720	24.01
SB-6	5/8"	1"	1/4"	0361751	23.31	0361721	23.31		
SB-6NF	5/8"	1"	1/4"					0361722	34.98
SB-15	3/4"	1/2"	1/4"	0361752	50.53	0361723	50.53		
SB-16	3/4"	3/4"	1/4"	0361753	32.50	0361724	32.50		
SB-7	3/4"	1"	1/4"	0361754	34.74	0361725	34.74		
SB-7NF	3/4"	1"	1/4"					0361726	47.15
SB-8	7/8"	1"	1/4"	0361755	49.34	0361727	49.34		
SB-9	1"	1"	1/4"	0361756	52.08	0361728	52.08		



Carbide Burrs Cont.



BURR MONSTER®

Cylinder Shape Burrs with Radius End-Style SC Solid Carbide



Shape	Cut		Shank Dia.	Double Cut		Single Cut		Aluma	
	Dia.	LOC		Part No.	Price /Each	Part No.	Price /Each	Part No.	Price /Each
SC-61	3/32"	3/8"	3/32"	0361791	\$4.28	0361757	\$4.28		
SC-41	3/32"	7/16"	1/8"	0361792	3.60	0361758	3.60		
SC-11	1/8"	1/2"	1/4"	0361793	7.57	0361759	7.57		
SC-42	1/8"	9/16"	1/8"	0361794	3.60	0361760	3.60		
SC-42L2	1/8"	9/16"	1/8"	0361795	4.93	0361761	4.93		
SC-42L3	1/8"	9/16"	1/8"	0361796	6.12	0361762	6.12		
SC-12	1/8"	5/8"	1/4"	0361797	10.20	0361763	10.20		
SC-52	5/32"	1/2"	1/8"	0361798	8.07	0361764	8.07		
SC-13	5/32"	5/8"	1/4"	0361799	7.57	0361765	7.57		
SC-81	3/16"	5/8"	3/16"	0361800	7.57	0361766	7.57		
SC-53	3/16"	1/2"	1/8"	0361801	8.07	0361767	8.07		
SC-14	3/16"	5/8"	1/4"	0361802	7.57	0361768	7.57		
SC-51	1/4"	1/2"	1/8"	0361803	8.07	0361769	8.07		
SC-1	1/4"	5/8"	1/4"	0361804	8.66	0361770	8.66		
SC-1A	1/4"	1"	1/4"	0361805	12.32	0361771	12.32		
SC-1L6	1/4"	1/2"	1/4"	0361806	15.24	0361772	15.24		
SC-1NF	1/4"	3/4"	1/4"					0361773	\$12.06
SC-2	5/16"	3/4"	1/4"	0361807	11.45	0361774	11.45		
SC-3	3/8"	3/4"	1/4"	0361808	12.00	0361775	12.00		
SC-3A	3/8"	1"	1/4"	0361809	15.24	0361776	15.24		
SC-3L6	3/8"	3/4"	1/4"	0361810	20.22	0361777	20.22		
SC-3NF	3/8"	3/4"	1/4"					0361778	15.90
SC-3X	3/8"	1-1/2"	1/4"	0361811	19.47	0361779	19.47		
SC-4	7/16"	1"	1/4"	0361812	17.43	0361780	17.43		
SC-5	1/2"	1"	1/4"	0361813	18.88	0361781	18.88		
SC-5L6	1/2"	1"	1/4"	0361814	27.11	0361782	27.11		
SC-5NF	1/2"	1"	1/4"					0361783	21.82
SC-6	5/8"	1"	1/4"	0361815	21.60	0361784	21.60		
SC-6NF	5/8"	1"	1/4"					0361785	32.79
SC-15	3/4"	1/2"	1/4"	0361816	27.89	0361786	27.89		
SC-16	3/4"	3/4"	1/4"	0361817	33.44	0361787	33.44		
SC-7	3/4"	1"	1/4"	0361818	34.12	0361788	34.12		
SC-7NF	3/4"	1"	1/4"					0361789	42.76
SC-9	1"	1"	1/4"	0361819	69.67	0361790	69.67		

Ball Shape Burrs Style SD Solid Carbide



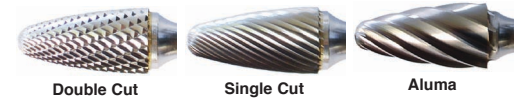
Shape	Cut		Shank Dia.	Double Cut		Single Cut		Aluma	
	Dia.	LOC		Part No.	Price /Each	Part No.	Price /Each	Part No.	Price /Each
SD-41	3/32"	3/32"	1/8"	0361847	\$3.60	0361820	\$3.60		
SD-61	3/32"	3/32"	3/32"	0361848	4.28	0361821	4.28		
SD-11	1/8"	3/32"	1/4"	0361849	7.57	0361822	7.57		
SD-42	1/8"	1/8"	1/8"	0361850	3.60	0361823	3.60		
SD-42L2	1/8"	1/8"	1/8"	0361851	4.93	0361824	4.93		
SD-42L3	1/8"	1/8"	1/8"	0361852	6.12	0361825	6.12		
SD-52	5/32"	5/32"	1/8"	0361853	8.07	0361826	8.07		
SD-14	3/16"	1/8"	1/4"	0361854	7.57	0361827	7.57		
SD-81	3/16"	5/32"	3/16"	0361855	7.57	0361828	7.57		
SD-53	3/16"	5/32"	1/8"	0361856	8.07	0361829	8.07		
SD-1	1/4"	7/32"	1/4"	0361857	8.66	0361830	8.66		
SD-1L6	1/4"	7/32"	1/4"	0361858	15.79	0361831	15.79		
SD-1NF	1/4"	7/32"	1/4"					0361832	\$12.06
SD-51	1/4"	7/32"	1/8"	0361859	8.07	0361833	8.07		
SD-2	5/16"	1/4"	1/4"	0361860	8.66	0361834	8.66		
SD-3	3/8"	5/16"	1/4"	0361861	9.87	0361835	9.87		
SD-3L6	3/8"	5/16"	1/4"	0361862	18.09	0361836	18.09		
SD3NF-	3/8"	5/16"	1/4"					0361837	15.90
SD-4	7/16"	3/8"	1/4"	0361863	12.06	0361838	12.06		
SD-5	1/2"	7/16"	1/4"	0361864	13.71	0361839	13.71		
SD-5L6	1/2"	7/16"	1/4"	0361865	22.15	0361840	22.15		
SD-5NF	1/2"	7/16"	1/4"					0361841	21.82
SD-6	5/8"	9/16"	1/4"	0361866	16.29	0361842	16.29		
SD-6NF	5/8"	9/16"	1/4"					0361843	32.79
SD-7	3/4"	11/16"	1/4"	0361867	23.40	0361844	23.40		
SD-7NF	3/4"	11/16"	1/4"					0361845	42.76
SD-9	1"	15/16"	1/4"	0361868	52.32	0361846	52.32		

Oval Shape Burrs-Style SE Solid Carbide



Shape	Cut		Shank Dia.	Double Cut		Single Cut		Aluma	
	Dia.	LOC		Part No.	Price /Each	Part No.	Price /Each	Part No.	Price /Each
SE-61	3/32"	1/8"	3/32"	0361889	\$4.28	0361869	\$4.28		
SE-41	1/8"	7/32"	1/8"	0361890	3.60	0361870	3.60		
SE-41L2	1/8"	7/32"	1/8"	0361891	4.93	0361871	4.93		
SE-41L3	1/8"	7/32"	1/8"	0361892	6.12	0361872	6.12		
SE-81	3/16"	9/32"	3/16"	0361893	7.57	0361873	7.57		
SE-53	3/16"	9/32"	1/8"	0361894	8.07	0361874	8.07		
SE-11	3/16"	5/16"	1/4"	0361895	7.57	0361875	7.57		
SE-1	1/4"	3/8"	1/4"	0361896	8.66	0361876	8.66		
SE-1L6	1/4"	3/8"	1/4"	0361897	15.79	0361877	15.79		
SE-51	1/4"	3/8"	1/8"	0361898	8.07	0361878	8.07		
SE-3	3/8"	5/8"	1/4"	0361899	10.90	0361879	10.90		
SE-3L6	3/8"	5/8"	1/4"	0361900	19.12	0361880	19.12		
SE-3NF	3/8"	5/8"	1/4"					0361881	\$15.90
SE-5	1/2"	7/8"	1/4"	0361901	16.34	0361882	16.34		
SE-5L6	1/2"	7/8"	1/4"	0361902	24.56	0361883	24.56		
SE-5NF	1/2"	7/8"	1/4"					0361884	21.82
SE-6	5/8"	1"	1/4"	0361903	21.86	0361885	21.86		
SE-6NF	5/8"	1"	1/4"					0361886	32.79
SE-7	3/4"	1"	1/4"	0361904	32.83	0361887	32.83		
SE-7NF	3/4"	1"	1/4"					0361888	42.76

Tree Shape Burrs with Radius End-Style SF Solid Carbide



Shape	Cut		Shank Dia.	Double Cut		Single Cut		Aluma	
	Dia.	LOC		Part No.	Price /Each	Part No.	Price /Each	Part No.	Price /Each
SF-61	3/32"	1/4"	3/32"	0361931	\$4.28	0361905	\$4.28		
SF-41	1/8"	1/4"	1/8"	0361932	3.60	0361906	3.60		
SF-11	1/8"	1/2"	1/4"	0361933	7.57	0361907	7.57		
SF-42	1/8"	1/2"	1/8"	0361934	3.60	0361908	3.60		
SF-42L2	1/8"	1/2"	1/8"	0361935	4.93	0361909	4.93		
SF-42L3	1/8"	1/2"	1/8"	0361936	6.12	0361910	6.12		
SF-81	3/16"	1/2"	3/16"	0361937	7.57	0361911	7.57		
SF-53	3/16"	1/2"	1/8"	0361938	8.07	0361912	8.07		
SF-51	1/4"	1/2"	1/8"	0361939	8.07	0361913	8.07		
SF-1	1/4"	3/4"	1/4"	0361940	8.66	0361914	8.66		
SF-1L6	1/4"	3/4"	1/4"	0361941	16.89	0361915	16.89		
SF-1NF	1/4"	3/4"	1/4"					0361916	\$12.06
SF-3	3/8"	3/4"	1/4"	0361942	10.70	0361917	10.70		
SF-3L6	3/8"	3/4"	1/4"	0361943	18.93	0361918	18.93		
SF-3NF	3/8"	3/4"	1/4"					0361919	15.90
SF-4	7/16"	1"	1/4"	0361944	14.01	0361920	14.01		
SF-13	1/2"	3/4"	1/4"	0361945	15.24	0361921	15.24		
SF-5	1/2"	1"	1/4"	0361946	17.35	0361922	17.35		
SF-5L6	1/2"	1"	1/4"	0361947	25.57	0361923	25.57		
SF-5NF	1/2"	1"	1/4"					0361924	21.82
SF-6	5/8"	1"	1/4"	0361948	20.37	0361925	20.37		
SF-6NF	5/8"	1"	1/4"					0361926	32.79
SF-7	3/4"	1"	1/4"	0361949	26.21	0361927	26.21		
SF-7NF	3/4"	1"	1/4"					0361929	42.76
SF-14	3/4"	1-1/4"	1/4"	0361950	39.36	0361928	39.36		
SF-15	3/4"	1-1/2"	1/4"	0361951	47.96	0361930	47.96		

The : symbol after a price denotes that it is a Direct Ship Product (DSP) and shipping, availability & lead times may vary.

CARBIDE BURRS

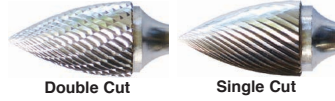
Carbide Burrs Cont.

Carbide Burrs



BURR MONSTER

Tree Shape Burrs with Pointed End-Style SG Solid Carbide



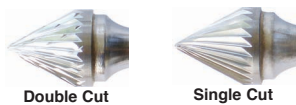
Shape	Cut Dia.	LOC	Shank Dia.	Double Cut		Single Cut	
				Part No.	Price /Each	Part No.	Price /Each
SG-61	3/32"	1/4"	3/32"	0361973	\$4.28	0361952	\$4.28
SG-41	1/8"	1/4"	1/8"	0361974	3.60	0361953	3.60
SG-42	1/8"	5/16"	1/8"	0361975	3.60	0361954	3.60
SG-43	1/8"	3/8"	1/8"	0361976	3.60	0361955	3.60
SG-44	1/8"	1/2"	1/8"	0361977	3.60	0361956	3.60
SG-44L2	1/8"	1/2"	1/8"	0361979	4.93	0361957	4.93
SG-44L3	1/8"	1/2"	1/8"	0361980	6.12	0361958	6.12
SG-81	3/16"	1/2"	3/16"	0361981	7.57	0361959	7.57
SG-53	3/16"	1/2"	1/8"	0361982	8.07	0361960	8.07
SG-1	1/4"	5/8"	1/4"	0361983	8.66	0361961	8.66
SG-1L6	1/4"	1/2"	1/4"	0361984	16.89	0361962	16.89
SG-51	1/4"	1/2"	1/8"	0361985	8.07	0361963	8.07
SG-2	5/16"	3/4"	1/4"	0361986	10.86	0361964	10.86
SG-3	3/8"	3/4"	1/4"	0361987	12.50	0361965	12.50
SG-3L6	3/8"	3/4"	1/4"	0361988	20.72	0361966	20.72
SG-13	1/2"	3/4"	1/4"	0361989	17.08	0361967	17.08
SG-5	1/2"	1"	1/4"	0361990	17.08	0361968	17.08
SG-5L6	1/2"	1"	1/4"	0361991	25.31	0361969	25.31
SG-6	5/8"	1"	1/4"	0361992	23.68	0361970	23.68
SG-7	3/4"	1"	1/4"	0361993	31.58	0361971	31.58
SG-15	3/4"	1-1/2"	1/4"	0361994	52.19	0361972	52.19

Flame Shape Burrs Style SH Solid Carbide



Shape	Cut Dia.	LOC	Shank Dia.	Double Cut		Single Cut	
				Part No.	Price /Each	Part No.	Price /Each
SH-41	1/8"	1/4"	1/8"	0362232	\$3.60	0361995	\$3.60
SH-41L2	1/8"	1/4"	1/8"	0362233	4.93	0361996	4.93
SH-41L3	1/8"	1/4"	1/8"	0362234	6.12	0361997	6.12
SH-53	3/16"	3/8"	1/8"	0362235	8.07	0361998	8.07
SH-1	1/4"	5/8"	1/4"	0362236	8.66	0361999	8.66
SH-2	5/16"	3/4"	1/4"	0362237	10.86	0362226	10.86
SH-2L6	5/16"	3/4"	1/4"	0362238	19.08	0362227	19.08
SH-5	1/2"	1-1/4"	1/4"	0362239	17.37	0362228	17.37
SH-5L6	1/2"	1-1/4"	1/4"	0362240	25.59	0362229	25.59
SH-6	5/8"	1-7/16"	1/4"	0362241	32.32	0362230	32.32
SH-7	3/4"	1-5/8"	1/4"	0362242	41.60	0362231	41.60

60° Cone Shape Burrs-Style SJ Solid Carbide



Shape	Cut Dia.	LOC	Shank Dia.	Double Cut		Single Cut	
				Part No.	Price /Each	Part No.	Price /Each
SJ-42	1/8"	3/32"	1/8"	0362250	\$3.60	0362243	\$3.60
SJ-1	1/4"	3/16"	1/4"	0362251	8.66	0362244	8.66
SJ-3	3/8"	5/16"	1/4"	0362252	10.81	0362245	10.81
SJ-5	1/2"	7/16"	1/4"	0362253	13.40	0362246	13.40
SJ-6	5/8"	9/16"	1/4"	0362254	17.41	0362247	17.41
SJ-7	3/4"	11/16"	1/4"	0362255	30.07	0362248	30.07
SJ-9	1"	15/16"	1/4"	0362256	41.89	0362249	41.89

SK - 90° Cone Shape Burrs Style SK Solid Carbide



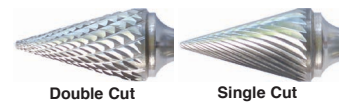
Shape	Cut Dia.	LOC	Shank Dia.	Double Cut		Single Cut	
				Part No.	Price /Each	Part No.	Price /Each
SK-42	1/8"	1/16"	1/8"	0362264	\$3.60	0362257	\$3.60
SK-1	1/4"	1/8"	1/4"	0362265	8.66	0362258	8.66
SK-3	3/8"	3/16"	1/4"	0362266	10.81	0362259	10.81
SK-5	1/2"	1/4"	1/4"	0362267	13.40	0362260	13.40
SK-6	5/8"	5/16"	1/4"	0362268	17.41	0362261	17.41
SK-7	3/4"	3/8"	1/4"	0362269	30.07	0362262	30.07
SK-9	1"	1/2"	1/4"	0362270	41.89	0362263	41.89

Taper with Radius End Burrs-Style SL Solid Carbide



Shape	Cut Dia.	LOC	Shank Dia.	Double Cut		Single Cut		Aluma	
				Part No.	Price /Each	Part No.	Price /Each	Part No.	Price /Each
SL-41	1/8"	3/8"	1/8"	0362292	\$3.60	0362271	\$3.60		
SL-42	1/8"	1/2"	1/8"	0362293	3.60	0362272	3.60		
SL-42L2	1/8"	1/2"	1/8"	0362294	4.93	0362273	4.93		
SL-43L3	1/8"	1/2"	1/8"	0362295	6.12	0362274	6.12		
SL-81	3/16"	1/2"	3/16"	0362296	7.57	0362275	7.57		
SL-53	3/16"	1/2"	1/8"	0362297	8.07	0362276	8.07		
SL-1	1/4"	5/8"	1/4"	0362298	8.66	0362277	8.66		
SL-1L6	1/4"	5/8"	1/4"	0362299	16.89	0362278	16.89		
SL-2	5/16"	7/8"	1/4"	0362300	12.17	0362279	12.17		
SL-3	3/8"	1-1/16"	1/4"	0362301	15.29	0362280	15.29		
SL-3L6	3/8"	1-1/16"	1/4"	0362302	23.51	0362281	23.51		
SL-3NF	3/8"	1-1/16"	1/4"					0362282	\$19.63
SL-4	1/2"	1-1/8"	1/4"	0362303	18.09	0362283	18.09		
SL-4L6	1/2"	1-1/8"	1/4"	0362304	26.32	0362284	26.32		
SL-4NF	1/2"	1-1/8"	1/4"					0362285	28.40
SL-5	5/8"	1-3/16"	1/4"	0362305	27.26	0362286	27.26		
SL-5NF	5/8"	1-3/16"	1/4"					0362287	37.17
SL-6	5/8"	1-5/16"	1/4"	0362306	34.54	0362288	34.54		
SL-6NF	5/8"	1-5/16"	1/4"					0362289	43.75
SL-7	3/4"	1-1/2"	1/4"	0362307	43.60	0362290	43.60		
SL-7NF	3/4"	1-1/2"	1/4"					0362291	54.72

Cone Shape Burrs Style SM Solid Carbide



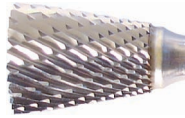
Shape	Cut Dia.	LOC	Shank Dia.	Included Angle	Double Cut		Single Cut	
					Part No.	Price /Each	Part No.	Price /Each
SM-61	3/32"	1/4"	3/32"	10	0362322	\$4.28	0362308	\$4.28
SM-41	1/8"	3/8"	1/8"	12	0362323	3.60	0362309	3.60
SM-42	1/8"	7/16"	1/8"	14	0362324	3.60	0362310	3.60
SM-42L2	1/8"	7/16"	1/8"	14	0362325	4.93	0362311	4.93
SM-42L3	1/8"	7/16"	1/8"	14	0362326	6.12	0362312	6.12
SM-43	1/8"	5/8"	1/8"	7	0362327	3.25	0362313	3.60
SM-53	3/16"	1/2"	1/8"	16	0362328	8.07	0362314	8.07
SM-1	1/4"	1/2"	1/4"	22	0362329	8.66	0362315	8.66
SM-51	1/4"	1/2"	1/8"	22	0362330	8.07	0362316	8.07
SM-2	1/4"	3/4"	1/4"	14	0362331	9.76	0362317	9.76
SM-3	1/4"	1"	1/4"	10	0362332	11.18	0362318	11.18
SM-4	3/8"	1/2"	1/4"	28	0362333	15.24	0362319	15.24
SM-5	1/2"	7/8"	1/4"	28	0362334	21.80	0362320	21.80
SM-6	5/8"	1"	1/4"	28	0362335	30.15	0362321	30.15

Carbide Burrs Cont.



BURR MONSTER®

Inverted Cone Shape Burrs-Style SN
Solid Carbide



Double Cut



Single Cut

Shape	Cut Dia.	LOC	Shank Dia.	Included Angle	Double Cut		Single Cut	
					Part No.	Price /Each	Part No.	Price /Each
SN-41	3/32"	1/8"	1/8"	10	0362347	\$3.60	0362336	\$3.60
SN-61	3/32"	1/8"	3/32"	10	0362348	4.28	0362337	4.28
SN-42	1/8"	3/16"	1/8"	10	0362349	3.60	0362338	3.60
SN-81	3/16"	1/4"	3/16"	10	0362350	7.57	0362339	7.57
SN-53	3/16"	1/4"	1/8"	10	0362351	8.07	0362340	8.07
SN-51	1/4"	1/4"	1/8"	10	0362352	8.07	0362341	8.07
SN-1	1/4"	5/16"	1/4"	10	0362353	8.66	0362342	8.66
SN-2	3/8"	3/8"	1/4"	13	0362354	10.20	0362343	10.20
SN-4	1/2"	1/2"	1/4"	28	0362355	20.31	0362344	20.31
SN-6	5/8"	3/4"	1/4"	18	0362356	31.60	0362345	31.60
SN-7	3/4"	5/8"	1/4"	30	0362357	41.38	0362346	41.38

Long Shank Burrs

Solid Carbide



Double Cut



Single Cut

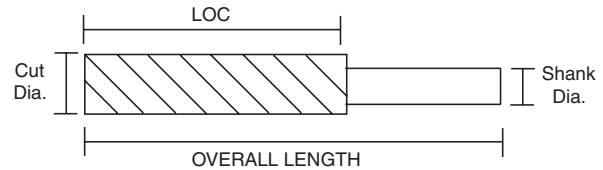
Shape	Cut Dia.	LOC	Shank Dia.	Double Cut		Single Cut	
				Part No.	Price /Each	Part No.	Price /Each
SA-1L6	1/4"	1/2"	0.25"	0361640	\$16.89	0361681	\$16.89
SA-3L6	3/8"	3/4"	0.25"	0361645	16.84	0361685	16.84
SA-5L6	1/2"	1"	0.25"	0361650	21.69	0361689	21.69
SC-1L6	0.25"	0.5"	0.25"	0361806	15.24	0361772	15.24
SC-3L6	0.375"	0.75"	0.25"	0361810	20.22	0361777	20.22
SC-5L6	0.5"	1"	0.25"	0361814	27.11	0361782	27.11
SD-1L6	1/4"	7/32"	1/4"	0361858	15.79	0361831	15.79
SD-3L6	3/8"	5/16"	1/4"	0361862	18.09	0361836	18.09
SD-5L6	1/2"	7/16"	1/4"	0361865	22.15	0361840	22.15
SE-1L6	1/4"	3/8"	1/4"	0361897	15.79	0361877	15.79
SE-3L6	3/8"	5/8"	1/4"	0361900	19.12	0361880	19.12
SE-5L6	1/2"	7/8"	1/4"	0361902	24.56	0361883	24.56
SF-1L6	1/4"	3/4"	1/4"	0361941	16.89	0361915	16.89
SF-3L6	3/8"	3/4"	1/4"	0361943	18.93	0361918	18.93
SF-5L6	1/2"	1"	1/4"	0361947	25.57	0361923	25.57
SG-1L6	1/4"	1/2"	1/4"	0361984	16.89	0361962	16.89
SG-3L6	3/8"	3/4"	1/4"	0361988	20.72	0361966	20.72
SG-5L6	1/2"	1"	1/4"	0361991	25.31	0361969	25.31
SH-2L6	5/16"	3/4"	1/4"	0362238	19.08	0362227	19.08
SH-5L6	1/2"	1-1/4"	1/4"	0362240	25.59	0362229	25.59
SL-1L6	1/4"	5/8"	1/4"	0362299	16.89	0362278	16.89
SL-3L6	3/8"	1-1/16"	1/4"	0362302	23.51	0362281	23.51
SL-4L6	1/2"	1-1/8"	1/4"	0362304	26.32	0362284	26.32

Burr Set Description



Part No. 0362358

Description	Double Cut		Single Cut	
	Part No.	Price /Each	Part No.	Price /Each
SA-43, SA-42, SC-42, SD-42, SE-41, SF-41, SF-42, SG-41, SM-43, SN-41, SN-42, SL-41	0362358	\$66.18	0362359	\$66.18
SA-42, SA-43, SC-41, SC-42, SD-42, SE-41, SF-41, SF-42, SH-41, SL-41, SL-42, SN-41	0362360	66.18	0362361	66.18
SA-41, SB-41, SC-41, SD-41, SE-41, SF-41, SG-41, SH-41, SL-41, SM-41, SN-41	0362362	63.55	0362363	63.55
SA-42, SB-42, SC-42, SD-42, SF-42, SG-42, SJ-42, SK-42, SL-42, SM-42, SN-42	0362364	63.55	0362365	65.75
SA-53, SC-53, SD-53, SE-53, SF-53, SG-53, SH-53, SL-53, SM-53, SN-53	0362366	105.92	0362367	105.92
SA-52, SA-53, SC-52, SC-53, SD-52, SD-53, SE-53, SF-53, SG-53, SF-53, SG-53, SH-53, SM-53, SN-53	0362368	122.06	0362369	122.06
SA-51, SB-51, SC-51, SD-51, SE-51, SF-51, SG-51, SM-51, SN-51	0362370	95.66	0362371	95.66
SA-51, SA-52, SB-51, SC-51, SC-52, SD-51, SD-52, SE-51, SF-51, SG-51, SM-51, SN-51	0362372	122.06	0362373	122.06
SA-1, SB-1, SC-1, SD-1, SE-1, SF-1, SG-1, SH-1, SJ-1, SK-1, SM-1, SN-1	0362374	129.17	0362375	129.17
SB-1, SC-1, SD-1, SE-1, SF-1, SG-1, SH-1, SJ-1, SK-1, SL-1, SM-1, SN-1	0362376	129.17	0362377	129.17



CARBIDE BURRS

Carbide Burrs Cont.

Carbide Burrs



BURR MONSTER®

Mold, Tool & Die Making Burrs Solid Carbide



Shape	Cut Dia.	LOC	Shank Dia.	Included Angle	Double Cut		Single Cut	
					Part No.	Price /Each	Part No.	Price /Each
SA-41	1/16"	1/4"	1/8"		0361619	\$3.60	0361660	\$3.60
SA-41L2	1/16"	1/4"	1/8"		0361620	4.93	0361661	4.93
SA-41L3	1/16"	1/4"	1/8"		0361621	6.12	0361662	6.12
SA-42	3/32"	7/16"	1/8"		0361624	3.60	0361665	3.60
SA-42L2	3/32"	7/16"	1/8"		0361625	4.93	0361666	4.93
SA-42L3	3/32"	7/16"	1/8"		0361626	6.12	0361667	6.12
SA-43	1/8"	9/16"	1/8"		0361628	3.60	0361669	3.60
SA-43L2	1/8"	9/16"	1/8"		0361629	4.93	0361670	4.93
SA-43L3	1/8"	9/16"	1/8"		0361630	6.12	0361671	6.12
SB-41	1/16"	1/4"	1/8"		0361729	3.60	0361696	3.60
SB-41L2	1/16"	1/4"	1/8"		0361730	4.93	0361697	4.93
SB-41L3	1/16"	1/4"	1/8"		0361731	6.12	0361698	6.12
SB-42	3/32"	7/16"	1/8"		0361732	3.60	0361699	3.60
SB-42L2	3/32"	7/16"	1/8"		0361733	4.93	0361700	4.93
SB-42L3	3/32"	7/16"	1/8"		0361734	6.12	0361701	6.12
SB-43	1/8"	9/16"	1/8"		0361737	3.60	0361704	3.60
SB-43L2	1/8"	9/16"	1/8"		0361738	4.93	0361705	4.93
SB-43L3	1/8"	9/16"	1/8"		0361739	6.12	0361706	6.12
SC-41	3/32"	7/16"	1/8"		0361792	3.60	0361758	3.60
SC-42	1/8"	9/16"	1/8"		0361794	3.60	0361760	3.60
SC-42L2	1/8"	9/16"	1/8"		0361795	4.93	0361761	4.93
SC-42L3	1/8"	9/16"	1/8"		0361796	6.12	0361762	6.12
SD-41	3/32"	3/32"	1/8"		0361847	3.60	0361820	3.60
SD-42	1/8"	1/8"	1/8"		0361850	3.60	0361823	3.60
SD-42L2	1/8"	1/8"	1/8"		0361851	4.93	0361824	4.93
SD-42L3	1/8"	1/8"	1/8"		0361852	6.12	0361825	6.12
SE-41	1/8"	7/32"	1/8"		0361890	3.60	0361870	3.60
SE-41L2	1/8"	7/32"	1/8"		0361891	4.93	0361871	4.93
SE-41L3	1/8"	7/32"	1/8"		0361892	6.12	0361872	6.12
SF-41	1/8"	1/4"	1/8"		0361932	3.60	0361906	3.60
SF-42	1/8"	1/2"	1/8"		0361934	3.60	0361908	3.60
SF-42L2	1/8"	1/2"	1/8"		0361935	4.93	0361909	4.93
SF-42L3	1/8"	1/2"	1/8"		0361936	6.12	0361910	6.12
SG-41	1/8"	1/4"	1/8"		0361974	3.60	0361953	3.60
SG-42	1/8"	5/16"	1/8"		0361975	3.60	0361954	3.60
SG-43	1/8"	3/8"	1/8"		0361976	3.60	0361955	3.60
SG-44	1/8"	1/2"	1/8"		0361977	3.60	0361956	3.60
SG-44L2	1/8"	1/2"	1/8"		0361979	4.93	0361957	4.93
SG-44L3	1/8"	1/2"	1/8"		0361980	6.12	0361958	6.12
SH-41	1/8"	1/4"	1/8"		0362232	3.60	0361995	3.60
SH-41L2	1/8"	1/4"	1/8"		0362233	4.93	0361996	4.93
SH-41L3	1/8"	1/4"	1/8"		0362234	6.12	0361997	6.12
SJ-42	1/8"	3/32"	1/8"		0362250	3.60	0362243	3.60
SK-42	1/8"	1/16"	1/8"		0362264	3.60	0362257	3.60
SL-41	1/8"	3/8"	1/8"		0362292	3.60	0362271	3.60
SL-42	1/8"	1/2"	1/8"		0362293	3.60	0362272	3.60
SL-42L2	1/8"	1/2"	1/8"		0362294	4.93	0362273	4.93
SL-42L3	1/8"	1/2"	1/8"		0362295	6.12	0362274	6.12
SM-41	1/8"	3/8"	1/8"	12	0362323	3.60	0362309	3.60
SM-42	1/8"	7/16"	1/8"	14	0362324	3.60	0362310	3.60
SM-42L2	1/8"	7/16"	1/8"	14	0362325	4.93	0362311	4.93
SM-42L3	1/8"	7/16"	1/8"	14	0362326	6.12	0362312	6.12
SM-43	1/8"	5/8"	1/8"	7	0362327	3.25	0362313	3.60
SN-41	3/32"	1/8"	1/8"	10	0362347	3.60	0362336	3.60
SN-42	1/8"	3/16"	1/8"	10	0362349	3.60	0362338	3.60

Mold, Tool & Die Making Burrs 1/4" Head - 1/8" Shank Solid Carbide



Shape	Cut Dia.	LOC	Shank Dia.	Included Angle	Double Cut		Single Cut	
					Part No.	Price /Each	Part No.	Price /Each
SA-51	1/4"	1/2"	0.125"		0361637	\$8.07	0361678	\$8.07
SB-51	1/4"	1/2"	1/8"		0361742	8.07	0361709	8.07
SC-51	0.25"	0.5"	0.125"		0361803	8.07	0361769	8.07
SD-51	1/4"	7/32"	1/8"		0361859	8.07	0361833	8.07
SE-51	1/4"	3/8"	1/8"		0361898	8.07	0361878	8.07
SF-51	1/4"	1/2"	1/8"		0361939	8.07	0361913	8.07
SG-51	1/4"	1/2"	1/8"		0361985	8.07	0361963	8.07
SM-51	1/4"	1/2"	1/8"	22	0362330	8.07	0362316	8.07
SN-51	0.25"	0.25"	0.125"	10	0362352	8.07	0362341	8.07

Mold, Tool & Die Making Burrs 5/32", 3/16" Heads - 1/8" Shank Solid Carbide



Shape	Cut Dia.	LOC	Shank Dia.	Included Angle	Double Cut		Single Cut	
					Part No.	Price /Each	Part No.	Price /Each
SA-52	5/32"	1/2"	0.125"		0361632	\$8.07	0361673	\$8.07
SA-53	3/16"	1/2"	0.125"		0361635	8.07	0361676	8.07
SC-52	0.15625"	0.5"	0.125"		0361798	8.07	0361764	8.07
SC-53	0.1875"	0.5"	0.125"		0361801	8.07	0361767	8.07
SD-52	5/32"	5/32"	1/8"		0361853	8.07	0361826	8.07
SD-53	3/16"	5/32"	1/8"		0361856	8.07	0361829	8.07
SE-53	3/16"	9/32"	1/8"		0361894	8.07	0361874	8.07
SF-53	3/16"	1/2"	1/8"		0361938	8.07	0361912	8.07
SG-53	3/16"	1/2"	1/8"		0361982	8.07	0361960	8.07
SH-53	3/16"	3/8"	1/8"		0362235	8.07	0361998	8.07
SL-53	3/16"	1/2"	1/8"		0362297	8.07	0362276	8.07
SM-53	3/16"	1/2"	1/8"	16	0362328	8.07	0362314	8.07
SN-53	0.1875"	0.25"	0.125"	10	0362351	8.07	0362340	8.07

Carbide Burrs Cont.



BURR MONSTER



Carbide Burr Sets

Description - 1 of each shape	Double Cut		Single Cut	
	Part No.	Price /Each	Part No.	Price /Each
SA-11, SB-14, SC-13, SD-14, SE-11, SF-11, SG-1, SH-1, SJ-1, SK-1, SM-1, SN-1	0362378	\$122.59	0362379	\$122.59
SA-1, SA-14, SC-1, SC-14, SD-1, SE-1, SF-1, SG-1, SJ-1, SL-1, SH-1, SN-1	0362380	126.97	0362381	126.97
SA-3, SC-3, SD-3, SE-3, SF-3, SG-3, SJ-3, SM-3, SN-2	0362382	124.19	0362383	124.19
SB-3, SC-3, SD-3, SE-3, SF-3, SG-3, SK-3, SL-3, SM-3	0362384	132.52	0362385	132.52
SA-1, SA-3, SA-5, SC-1, SC-3, SC-5, SF-1, SF-3, SF-5	0362386	134.41	0362387	134.41
SB-1, SB-3, SB-5, SD-1, SD-3, SD-5, SE-1, SE-2, SE-5	0362388	136.45	0362389	136.45
SA-1, SA-3, SA-5, SE-1, SE-3, SE-5, SN-1, SN-2, SN-4	0362390	135.02	0362391	135.02
SB-1, SB-3, SB-5, SC-1, SC-3, SC-5, SF-1, SF-3, SF-5	0362392	144.56	0362393	144.56
SA-5, SC-5, SD-5, SE-5, SG-5, SH-5, SK-5, SM-5	0362394	159.45	0362395	159.45
SB-5, SC-5, SD-5, SF-5, SG-5, SH-5, SJ-5, SK-5	0359348	159.45	0359345	159.45

Carbide Burr Sets

BLACKSTONE



8 Piece 1/4" Shank Set

8" pc 1/4 shank carbide burr set with wooden case, includes 0301608, 0301654, 0301658, 0301742, 0301744, 0301672, 0301712, 0301694.

Part No.	Price /Each
0818985	\$160.58

12 Piece 1/8" Shank Set

12 pc 1/8" shank, carbide burr set with wooden case. Includes these burrs, 0301596, 0301598, 0301646, 0301648, 0301736, 0301738, 0301662, 0301630, 0301632, 0301704, 0301688, 0301690.

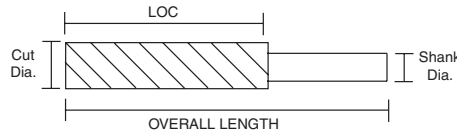


Part No.	Price /Each
0818986	\$177.78

Blackstone Burrs

BLACKSTONE

Cylinder



Shape	Head Dia.	LOC	Shank Dia.	Overall Lgth.	Single Cut		Double Cut		Super X Cut		Non Ferrous	
					Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
SA-43	1/8"	1/2"	1/8"	1-1/2"	0301595	\$7.76	0301596	\$8.62				
SA-51	1/4"	3/16"	1/8"	1-3/4"	0301597	11.46	0301598	11.90				
SA-1	1/4"	3/4"	1/4"	2"	0301599	13.32	0301600	13.71			0841636	13.58
SA-2	5/16"	3/4"	1/4"	2-1/2"	0301601	13.85	0301602	14.28			0841637	14.33
SA-3	3/8"	3/4"	1/4"	2-1/2"	0301603	15.69	0301604	16.14	0841683	14.18	0301795	22.62
SA-4	7/16"	1"	1/4"	2-3/4"			0841640	18.82				
SA-13	5/32"	5/8"	1/4"	2"	0301605	23.51						
SA-5	1/2"	1"	1/4"	2-3/4"	0301607	24.36	0301608	25.02	0841641	20.29	0301796	33.27
SA-6	5/8"	1"	1/4"	2-3/4"	0301609	30.78	0301610	33.04			0301797	35.44
SA-7	3/4"	1"	1/4"	2-3/4"			0841642	38.04				
SA-9	1"	1"	1/4"	2-3/4"			0841644	53.15				
SA-43L3	1/8"	9/16"	1/8"	3"	0301749	10.13	0301750	11.26				
SA-1L4	1/4"	3/4"	1/4"	4"	0301751	18.00	0301752	19.13				
SA-3L6	3/8"	3/4"	1/4"	6"	0301759	24.70	0301760	25.59				
SA-5L6	1/2"	1"	1/4"	6"	0301761	31.22	0301762	32.34				

Cylinder with End Cut

Shape	Head Dia.	LOC	Shank Dia.	Overall Lgth.	Single Cut		Double Cut		Super X Cut		Non Ferrous	
					Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
SB-43	1/8"	9/16"	1/8"	1-1/2"	0301613	\$7.74	0301614	\$7.74				
SB-51L2	1/4"	1/2"	1/8"	2"	0301615	11.96	0301616	11.96				
SB-1	1/4"	3/4"	1/4"	2"	0301617	12.98	0301618	13.79			0841649	14.10
SB-2	5/16"	3/4"	1/4"	2-1/2"	0301619	16.01	0301620	16.22				
SB-3	3/8"	3/4"	1/4"	2-1/2"	0301621	18.39	0301622	18.92	0841651	14.30	0301792	26.00
SB-4	7/16"	1"	1/4"	2-3/4"			0841653	20.79				
SB-13	5/32"	5/8"	1/4"	2-1/2"	0301623	25.88	0301624	25.88	0841654	22.33		
SB-5	1/2"	1"	1/4"	2-3/4"	0301625	27.04	0301626	28.10			0301793	36.56
SB-6	5/8"	1"	1/4"	2-3/4"	0301627	34.85	0301628	34.61			0301794	44.44
SB-7	3/4"	1"	1/4"	2-3/4"			0841655	41.86				
SB-9	1"	1"	1/4"	2-3/4"			0841657	58.53				
SB-43L3	1/8"	9/16"	1/8"	3"	0301755	10.72	0301756	12.59				
SB-1L4	1/4"	3/4"	1/4"	4"			0301758	22.22				
SB-1L6	1/4"	3/4"	1/4"	6"	0301757	22.96						

BLACKSTONE BURS

Blackstone Burs Cont.



Ball Nose Cylinder

Shape	Head Dia.	LOC	Shank Dia.	Overall Lgth.	Single Cut		Double Cut		Super X Cut		Non Ferrous	
					Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
SC-41	3/32"	7/16"	1/8"	1-1/2"	0841658	\$5.92	0841659	\$5.92				
SC-42	1/8"	9/16"	1/8"	1-1/2"	0301645	7.41	0301646	7.41				
SC-51	1/4"	1/2"	1/8"	2"	0301647	11.36	0301648	11.36				
SC-1	1/4"	3/4"	1/4"	2"	0301649	13.25	0301650	13.64			0841665	\$14.33
SC-2	5/16"	3/4"	1/4"	2-1/2"	0301651	17.04	0301652	17.04				
SC-3	3/8"	3/4"	1/4"	2-1/2"	0301653	17.85	0301654	18.36			0301783	21.33
SC-4	7/16"	1"	1/4"	2-3/4"			0841670	20.66				
SC-13	5/32"	5/8"	1/4"	2"	0301655	25.29	0301656	26.47				
SC-5	1/2"	1"	1/4"	2-3/4"	0301657	26.50	0301658	27.27			0301784	32.99
SC-6	5/8"	1"	1/4"	2-3/4"	0301659	30.83	0301660	33.53	0841672	28.63	0301785	44.66
SC-7	3/4"	1"	1/4"	2-3/4"			0841673	41.08				
SC-42L3	1/8"	9/16"	1/8"	3"			0841660	7.26				
SC-2L6	5/16"	3/4"	1/4"	6"					0841667	13.83		
SC-3L6	3/8"	3/4"	1/4"	6"	0301763	24.41	0301764	28.07	0841668	14.47		
SC-5L6	1/2"	1"	1/4"	6"	0301765	38.76	0301766	34.77	0841671	22.77		



Carbide Burs

Ball



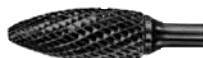
Shape	Head Dia.	LOC	Shank Dia.	Overall Lgth.	Single Cut		Double Cut		Super X Cut		Non Ferrous	
					Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
SD-41	3/32"	5/64"	1/8"	1-1/2"	0841675	\$5.64	0841676	\$5.92				
SD-42	1/8"	1/8"	1/8"	1-1/2"	0301701	8.29	0301702	7.95				
SD-51	1/4"	7/32"	1/8"	1-3/4"	0301703	11.37	0301704	11.81				
SD-1	1/4"	7/32"	1/4"	2"	0301705	12.10	0301706	13.20			0841683	14.18
SD-2	5/16"	5/16"	1/4"	2"	0301707	13.45	0301708	13.79				
SD-3	3/8"	3/8"	1/4"	2"	0301709	14.57	0301710	15.75	0841685	11.89	0841684	15.77
SD-4	7/16"	7/16"	1/4"	2-1/4"			0841686	13.71				
SD-5	1/2"	1/2"	1/4"	2-1/4"	0301711	19.69	0301712	20.78	0841688	16.02	0301800	37.62
SD-6	5/8"	5/8"	1/4"	2-1/4"	0301713	23.74						
SD-7	3/4"	3/4"	1/4"	2-3/4"	0301715	35.94	0301716	35.95				
SD-9	1"	1"	1/4"	2-3/4"			0841698	14.74				
SD-3L6	3/8"	3/8"	1/4"	6"	0301775	23.57	0301776	24.02			0841704	40.85
SD-5L6	1/2"	1/2"	1/4"	6"	0301777	30.26	0301778	35.15			0841706	46.35

Oval



Shape	Head Dia.	LOC	Shank Dia.	Overall Lgth.	Single Cut		Double Cut	
					Part No.	Price /Ea	Part No.	Price /Ea
SE-41	1/8"	13/64"	1/8"	1-1/2"	0301675	\$7.48	0301676	\$7.93
SE-51	1/4"	3/8"	1/8"	2"	0301677	11.36	0301678	13.40
SE-2	5/16"	5/8"	1/4"	2"	0301679	14.73	0301680	16.28
SE-3	3/8"	5/8"	1/4"	2"	0301681	16.22	0301682	18.70
SE-5	1/2"	7/8"	1/4"	2-3/4"	0301683	24.87	0301684	26.16
SE-6	5/8"	1"	1/4"	2-3/4"	0301685	30.83	0301686	34.07
SE-7	3/4"	1"	1/4"	2-3/4"			0841693	39.52

Flame



Shape	Head Dia.	LOC	Shank Dia.	Overall Lgth.	Single Cut		Double Cut		Super X Cut	
					Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
SH-41	1/8"	1/4"	1/8"	1-1/2"	0301721	\$7.10	0301722	\$8.16		
SH-2	5/16"	3/4"	1/4"	2-1/2"	0301725	18.56	0301726	18.85		
SH-5	1/2"	1-1/4"	1/4"	3"	0301727	33.69	0301728	34.26	0841718	38.04
SH-6	5/8"	1-1/2"	1/4"	3-1/4"			0841719	31.84		
SH-7	3/4"	1-5/8"	1/4"	3-3/8"			0841720	44.37		

Ball Nose Tree



Shape	Head Dia.	LOC	Shank Dia.	Overall Lgth.	Single Cut		Double Cut		Super X Cut		Non Ferrous	
					Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
SF-41	1/8"	5/16"	1/8"	1-1/2"	0841694	\$5.92	0841695	\$5.92				
SF-42	1/8"	5/8"	1/8"	1-1/2"	0301735	7.03	0301736	7.19				
SF-51	1/4"	1/2"	1/8"	2"	0301737	11.09	0301738	11.09				
SF-1	1/4"	3/4"	1/4"	2"	0301739	13.52	0301740	13.91			0841696	14.33
SF-3	3/8"	3/4"	1/4"	2-1/2"	0301741	18.17	0301742	17.69			0301789	23.06
SF-5	1/2"	1"	1/4"	2-3/4"	0301743	24.34	0301744	25.04			0301790	30.96
SF-6	5/8"	1"	1/4"	2-3/4"	0301745	30.73	0301746	29.10	0841705	28.91	0301791	43.31
SF-7	3/4"	1"	1/4"	2-3/4"			0841707	38.04				
SF-3L6	3/8"	3/4"	1/4"	6"	0301779	28.98	0301780	28.12	0841697	14.17		
SF5L6	1/2"	1"	1/4"	6"	0301781	34.31	0301782	37.68	0841703	20.96		

60° Countersink



Shape	Head Dia.	LOC	Shank Dia.	Overall Lgth.	Single Cut		Double Cut	
					Part No.	Price /Ea	Part No.	Price /Ea
SJ-1	1/4"	1/4"	1/4"	2"	0841721	\$10.09	0841722	\$10.08
SJ-3	3/8"	5/16"	1/4"	2-1/4"	0841723	10.08	0841724	13.15
SJ-5	1/2"	7/16"	1/4"	2-1/4"			0841725	15.73
SJ-6	5/8"	9/16"	1/4"	2-1/2"	0841726	17.06	0841727	21.35
SJ-7	3/4"	1/2"	1/4"	2-1/2"	0841728	28.01	0841729	28.01



Shape	Head Dia.	LOC	Shank Dia.	Overall Lgth.	Single Cut		Double Cut	
					Part No.	Price /Ea	Part No.	Price /Ea
SK-42	1/8"	1/8"	1/8"	1-1/2"	0841732	\$5.92	0841733	\$5.92
SK-1	1/4"	1/4"	1/4"	2"	0841734	10.12	0841735	10.08
SK-3	3/8"	3/16"	1/4"	2-1/4"			0841736	10.08
SK-5	1/2"	1/4"	1/4"	2-1/4"	0841737	16.04	0841738	16.04
SK-6	5/8"	5/16"	1/4"	2-1/4"	0301643	26.50	0301644	27.02
SK-7	3/4"	1/2"	1/4"	2-1/4"	0841739	29.58	0841740	29.58

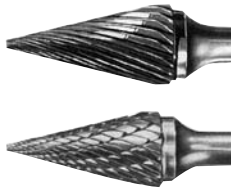
Blackstone Burs Cont.



Shape	Head Dia.	LOC	Shank Dia.	Overall Lgth.	Single Cut		Double Cut		Super X Cut		Non Ferrous	
					Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea	Part No.	Price /Ea
SL-41	1/8"	7/16"	1/8"	1-1/2"	0301661	\$6.87	0301662	\$6.84				
SL-42	1/8"	9/16"	1/8"	1-1/2"	0841743	5.92	0841744	5.93				
SL-51	1/4"	5/8"	1/8"	2-1/4"	0301663	11.28	0301664	10.82			0841745	\$14.18
SL-1	1/4"	3/4"	1/4"	2"	0301665	13.91	0301666	16.42				
SL-3	3/8"	1-3/16"	1/4"	3"	0301669	22.98	0301670	25.87			0301786	27.68
SL-4	1/2"	1-1/4"	1/4"	3"	0301671	27.44	0301672	27.04	0841747	22.09	0301787	38.56
SL-5	5/8"	1-5/16"	1/4"	3"	0301673	44.60	0301674	49.77			0301788	71.94
SL-7	3/4"	1-5/8"	1/4"	3-3/8"			0841748	57.39				
SL-3L6	3/8"	1-3/16"	1/4"	6"	0301767	28.69	0301768	30.09				
SL-5L6	1/2"	1-1/4"	1/4"	6"	0301769	41.57	0301770	37.12				



Cone



Shape	Head Dia.	LOC	Shank Dia.	Overall Lgth.	Single Cut		Double Cut	
					Part No.	Price /Ea	Part No.	Price /Ea
SM-41	1/8"	5/16"	1/8"	1-1/2"	0301629	\$7.93	0301630	\$8.11
SM-42	1/8"	7/16"	1/8"	1-1/2"	0841749	5.92	0841750	5.92
SM-51	1/4"	5/8"	1/8"	2-1/4"	0301631	11.37	0301632	11.90
SM-1	1/4"	3/4"	1/4"	2"	0301633	14.83	0301634	15.47
SM-3	3/8"	3/4"	1/4"	2-1/2"	0301635	20.82	0301636	23.37
SM-5	1/2"	1"	1/4"	2-3/4"	0301639	24.34	0301640	27.82
SM-6	5/8"	1"	1/4"	3"			0841752	22.07

Inverted Cone



Shape	Head Dia.	LOC	Shank Dia.	Overall Lgth.	Single Cut		Double Cut	
					Part No.	Price /Ea	Part No.	Price /Ea
SN-42	1/8"	5/32"	1/8"	1-1/2"	0301729	\$7.32	0301730	\$8.54
SN-1	1/4"	5/16"	1/4"	2"	0301731	12.66	0301732	13.62
SN-2	3/8"	3/8"	1/4"	2-1/4"			0841753	29.62
SN-4	1/2"	1/2"	1/4"	2-1/4"	0301733	27.00	0301734	25.77

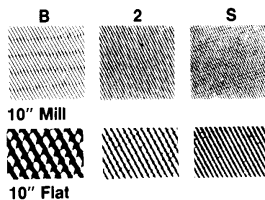
Carded Files



Individually Packaged Files Standard Tooth Cuts

Three standard cuts are available on most American Pattern Files:

- B = **Bastard Cut** - Coarse teeth for rapid stock removal.
- 2 = **Second Cut** - Medium teeth for moderate stock removal.
- S = **Smooth Cut** - Fine teeth for smooth finishes.



Part No.	Description	Pkg. Qty.	Price /Each
300217-131350	6" Mill - Bastard	1	\$4.50
300218-131350	6" Flat - Bastard	1	6.97
300219-131350	6" Round - Bastard	1	5.90
300220-131350	6" Half-Round - Bastard	1	10.45
300221-131350	6" Taper Slim	1	3.95
300222-131350	8" Mill - Bastard	1	4.75
300223-131350	8" Flat - Bastard	1	7.85
300224-131350	8" Round - Bastard	1	6.20
300225-131350	8" Half Round - Bastard	1	11.75
300226-131350	10" Mill - Bastard	1	7.35
300227-131350	10" Flat - Bastard	1	10.72
300228-131350	10" Round - Bastard	1	8.57
300229-131350	10" Half-Round - Bastard	1	16.07
300230-131350	10" Flat - Multi-Kut	1	12.59
300231-131350	10" All-Purpose	1	12.32
300232-131350	8" All-Purpose	1	10.15

All files packaged on skin-packed card

Machinist Files



Aluminum - Flat - Double Cut

Fast cutting tooth design for use on aluminum and other soft materials. Very effective in eliminating clogging. Tapers toward the point for detail work.



Simonds		Nicholson		Pkg. Qty.
Part No.	Price /Each	Part No.	Price /Each	
300001-131350	\$10.18	0817889	\$8.53	6" 12
300002-131350	12.32	0817890	10.72	8" 12
300003-131350	14.47	0817891	13.15	10" 12
300004-131350	16.61	0817892	17.60	12" 6

Aluminum - Half Round Double Cut

Designed for use on aluminum and other soft metals. Half-round shape for concave surfaces and rounding out holes. This file has one flat side.



Simonds		Nicholson		Pkg. Qty.
Part No.	Price /Each	Part No.	Price /Each	
300005-131350	\$18.75	0817893	\$16.67	6" 12
		0817894	19.35	8"
300007-131350	23.04	0817895	22.25	10" 12
300008-131350	25.71	0817896	25.20	12" 6

Flat - Double Cut

Known as the workhorse because it gets used so often. Used primarily by machinists, in factories or whenever rapid stock removal is desired. Cut edges and tapers toward the point for detail work.



Flat - Bastard

Simonds		Nicholson		Pkg. Qty.
Part No.	Price /Each	Part No.	Price /Each	
300009-131350	\$6.23	0817762	\$5.90	4" 12
300012-131350	6.70	0817763	6.23	6" 12
300015-131350	8.31	0817764	7.69	8" 12
300018-131350	10.18	0817765	9.98	10" 12
300021-131350	13.39	0817766	13.07	12" 6
300024-131350	18.75	0817767	17.97	14" 6

Flat - Second Cut

Simonds		Nicholson		Pkg. Qty.
Part No.	Price /Each	Part No.	Price /Each	
300010-131350	\$7.50	0817768	\$6.23	4" 12
300013-131350	8.04	0817769	6.51	6" 12
300016-131350	8.64	0817770	8.49	8" 12
300019-131350	11.85	0817771	11.01	10" 12
300022-131350	15.27	0817772	14.80	12" 6
300025-131350	20.63	0817773	20.67	14" 6

Flat - Smooth Cut

Simonds		Nicholson		Pkg. Qty.
Part No.	Price /Each	Part No.	Price /Each	
300011-131350	\$7.45	0817774	\$7.34	4" 12
300014-131350	8.42	0817775	7.81	6" 12
300017-131350	10.03	0817776	9.09	8" 12
300020-131350	12.54	0817777	12.59	10" 12
300023-131350	16.40	0817778	16.36	12" 6
300026-131350	23.57	0817779	22.69	14" 6

Machinist Files Cont.



Similar to flat files but with no taper (square). Double-cut with wavy tooth design. Features one safe (uncut) edge.



Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300028-131350	\$5.90	0817780	\$4.83	6"	12
300031-131350	8.31	0817781	7.46	8"	12
300034-131350	10.72	0817782	10.37	10"	12
		0817783	14.59		

Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300029-131350	\$7.57	0817784	\$5.42	6"	12
300032-131350	8.84	0817785	8.95	8"	12
300035-131350	12.06	0817786	12.20	10"	12
		0817787	15.83		

Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300030-131350	\$7.94	0817788	\$7.77	6"	12
300033-131350	9.38	0817789	9.11	8"	12
300036-131350	13.39	0817790	13.07	10"	12
		0817791	16.32		

Half Round

Spiral design features a built-in twist and roll action ideal for rounding out holes. Removes material rapidly, yet leaves a smooth finish. Flat side is double cut and features wavy tooth design.



Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300040-131350	\$8.57	0817804	\$9.05	4"	12
300043-131350	9.38	0817805	9.81	6"	12
300046-131350	11.79	0817806	11.36	8"	12
300049-131350	14.47	0817807	14.14	10"	12
300052-131350	19.02	0817808	18.17	12"	6
300055-131350	23.84	0817809	23.59	14"	6

Simonds			
Part No.	Price /Each	Length	Pkg. Qty.
300041-131350	\$9.91	4"	12
300044-131350	10.72	6"	12
300047-131350	12.32	8"	12
300050-131350	15.54	10"	12
300053-131350	19.82	12"	6
300056-131350	24.64	14"	6

Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300042-131350	\$10.72	0817810	\$10.55	4"	12
300045-131350	11.52	0817811	11.69	6"	12
300048-131350	13.39	0817812	13.50	8"	12
300051-131350	16.61	0817813	16.09	10"	12
300054-131350	20.89	0817814	20.79	12"	6
		0817815	27.51		

Knife

Shaped like a knife blade. Commonly used on slots, keyways and acute angles. Double-cut and features wavy tooth design. Sides are double-cut, but the back is safe (uncut).



Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300059-131350	\$10.18	0817792	\$9.95	4"	12
300062-131350	11.79	0817793	11.44	6"	12
300065-131350	13.93	0817794	13.62	8"	12
300068-131350	16.88	0817795	16.07	10"	12

Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300060-131350	\$10.72	0817796	\$10.53	4"	12
300063-131350	13.39	0817797	12.63	6"	12
300066-131350	15.00	0817798	14.73	8"	12
300069-131350	19.29	0817799	18.50	10"	12

Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300061-131350	\$11.25	0817800	\$10.94	4"	12
300064-131350	14.47	0817801	14.03	6"	12
300067-131350	16.34	0817802	15.37	8"	12
300070-131350	20.89	0817803	19.68	10"	12

Warding

Widely used by locksmiths for filing wards in locks and keys. Because it is so thin, it also is ideal for narrow spaces where other files won't fit. Double cut with wavy tooth.



Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300071-131350	\$6.70	0817897	\$6.72	4"	12
300074-131350	7.77	0817898	7.34	6"	12
300077-131350	9.65	0817899	9.21	8"	12

Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300072-131350	\$7.24	0817900	\$7.34	4"	12
300075-131350	8.31	0817901	8.35	6"	12
300078-131350	10.18	0817902	10.49	8"	12

Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300073-131350	\$7.83	0817903	\$8.00	4"	12
300076-131350	9.11	0817904	9.21	6"	12
300079-131350	11.52	0817905	11.58	8"	12

Square

Ideal for slots and keyways. In addition, it works great on square holes and other general surface filing. All four sides are equal filing surfaces and double cut with wavy tooth design.



Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300080-131350	\$6.70			4"	12
300083-131350	6.97	0817831	\$6.86	6"	12
300086-131350	8.31	0817832	8.16	8"	12
300089-131350	10.98	0817833	10.74	10"	12
300092-131350	15.54	0817834	15.29	12"	6
300093-131350	20.36	0817835	20.11	14"	6

Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300081-131350	\$7.24	0817836	\$7.09	4"	12
300084-131350	7.77	0817837	7.75	6"	12
300087-131350	9.38	0817838	9.21	8"	12
300090-131350	12.59	0817839	12.36	10"	12

Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300082-131350	\$7.77	0817840	\$7.75	4"	12
300085-131350	8.31	0817841	8.12	6"	12
300088-131350	9.91	0817842	10.16	8"	12
		0817843	13.29		

Three Square

Used for angles more acute than 90° for cleaning corners, filing cutters and taps. The triangular shape enables this file to get into corners others cannot. Double cut with the wavy tooth design, it tapers toward the point for detail work.



Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300094-131350	\$9.11	0817844	\$8.55	6"	12
300097-131350	10.72	0817845	10.20	8"	12
300100-131350	13.39	0817846	12.74	10"	12

Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300095-131350	\$9.91	0817847	\$9.60	6"	12
300098-131350	11.52	0817848	11.60	8"	12
300101-131350	14.20	0817849	13.81	10"	12

Simonds		Nicholson			
Part No.	Price /Each	Part No.	Price /Each	Length	Pkg. Qty.
300096-131350	\$10.18	0817850	\$9.73	6"	12
300099-131350	12.32	0817851	12.20	8"	12
300102-131350	15.00	0817852	14.61	10"	12

Machinist Files Cont.



Nicholson

Round

Primarily used to enlarge and round out circular openings or concave surfaces. Tapers toward the point making it adaptable on numerous size holes.

Round - Bastard

Simonds		Nicholson		Length	Pkg. Qty.
Part No.	Price /Each	Part No.	Price /Each		
300107-131350	\$5.36	0817816	\$5.15	4"	12
300110-131350	5.74	0817817	5.15	6"	12
300113-131350	6.55	0817818	5.94	8"	12
300116-131350	8.69	0817819	8.04	10"	12
300119-131350	10.83	0817820	10.57	12"	6
		0817821	15.06		

Round - Second Cut

Simonds		Nicholson		Length	Pkg. Qty.
Part No.	Price /Each	Part No.	Price /Each		
300108-131350	\$5.90	0817822	\$5.65	4"	12
300111-131350	6.28	0817823	5.92	6"	12
300114-131350	7.24	0817824	6.86	8"	12
300117-131350	9.38	0817825	9.01	10"	12

Round - Smooth Cut

Simonds		Nicholson		Length	Pkg. Qty.
Part No.	Price /Each	Part No.	Price /Each		
300109-131350	\$6.43	0817826	\$6.18	4"	12
300112-131350	6.81	0817827	6.47	6"	12
300115-131350	7.83	0817828	7.65	8"	12
300118-131350	10.18	0817829	9.91	10"	12

Long Angle Lathe - Single Cut

Used for finish lathe work on either hard or soft metals. Teeth are cut on long angle and both edges are safe (uncut) to prevent damage along the shoulder. Tapers in width toward the point.



Simonds		Nicholson		Length	Pkg. Qty.
Part No.	Price /Each	Part No.	Price /Each		
300121-131350	\$12.86	0817915	\$12.53	10"	12
300122-131350	17.41	0817916	16.96	12"	6
300123-131350	22.23	0817917	22.91	14"	6



Multi-Kut Flat

Obtain almost any finish desired by simply changing the feed pressure. Simonds exclusive "Multi-Kut" design features a diamond pattern double-chip breaker allowing for fast stock removal while leaving a smooth finish. These versatile files combine the performances of flat and mill file.



Simonds			
Part No.	Price /Each	Length	Pkg. Qty.
300124-131350	\$9.91	8"	12
300125-131350	12.06	10"	12
300126-131350	15.27	12"	6
300127-131350	20.09	14"	6

Multi-Kut Half Round

The same dynamic features on the flat side plus the spiral cut on the half round side. This combination offers rapid stock removal and smooth finishes on either flat or concave surfaces. A very versatile tool.



Simonds			
Part No.	Price /Each	Length	Pkg. Qty.
300129-131350	17.14	10"	12



OUR TOUGHEST COMPETITION IS THE MATERIAL WE FILE.

Looking for files that can get you through the toughest work with hours to spare? Our Black Maxi-Sharp® Files are specially treated with black oxide coating to maintain sharpness longer, prevent clogging and resist rust. Simonds files work overtime long after the competition is in the scrap bin.



Visit our website at www.simondsinternational.com



See Simonds Black Maxi-Sharp Files & Sets on pages 50, 51, & 52.

MACHINIST FILES

Machinist Files Cont.

SIMONDS[®]

Nicholson[™]

Mill

Excellent for a wide range of applications such as sharpening, draw filing, lathe work and general shop use; Mill files are single cut on the sides and edges and taper towards the point.



Mill - Bastard

Simonds		Nicholson		Length	Pkg. Qty.
Part No.	Price /Each	Part No.	Price /Each		
300188-131350	\$4.29	0817745	\$4.23	4"	12
300200-131350	4.56	0817746	4.23	6"	12
300203-131350	5.09	0817747	4.97	8"	12
300206-131350	6.70	0817748	6.43	10"	12
300209-131350	10.72	0817749	10.57	12"	6
300212-131350	14.73	0817750	14.30	14"	6

Mill - Second Cut

Simonds		Nicholson		Length	Pkg. Qty.
Part No.	Price /Each	Part No.	Price /Each		
300189-131350	\$6.97			4"	12
300201-131350	7.24	0817752	6.06	6"	12
300204-131350	7.50	0817753	6.82	8"	12
300207-131350	8.84	0817754	8.74	10"	12
300210-131350	11.79	0817755	11.50	12"	6

Mill - Smooth Cut

Simonds		Nicholson		Length	Pkg. Qty.
Part No.	Price /Each	Part No.	Price /Each		
300190-131350	\$7.24	0817756	\$6.39	4"	12
300202-131350	7.50	0817757	6.41	6"	12
300205-131350	7.77	0817758	7.57	8"	12
300208-131350	10.18	0817759	9.32	10"	12
300211-131350	12.86	0817760	12.63	12"	6
300214-131350	19.55	0817761	17.54	14"	6

Black Maxi-Sharp Files

SIMONDS[®]

BlackMaxi-Sharp[™]

Individual Files Featuring Ergonomic (Softworks) Rubber Handles

Files are specially treated with a black oxide coating. Files are sharper & last longer due to increased resistance to loading & rust!



Part No.	Description	Price /Ea
0807891	6" FLAT	\$5.57
0807892	6" HALF ROUND BASTARD	8.42
0807893	6" HALF ROUND WOOD RASP	8.36
0807894	6" MILL BASTARD	3.78
0807895	6" ROUND BASTARD	4.62
0807896	6" SLIM TAPER	3.60
0807897	6" SQUARE BASTARD	6.14
0807898	6" XX SLIM TAPER	3.85
0807899	7" SLIM TAPER	4.57
0807900	7" SLIM TAPER	7.29
0807901	8" ALL-PURPOSE	7.83
0807902	8" FLAT BASTARD	6.89
0807903	8" HOBBY RASP	8.51
0807904	8" HALF ROUND BASTARD	10.16
0807905	8" HALF ROUND WOOD RASP	9.91
0807906	8" MILL BASTARD	4.43
0807907	8" ROUND BASTARD	5.30
0807908	8" SLIM TAPER	5.32
0807909	10" ALL-PURPOSE	8.81
0807910	10" FLAT BASTARD	8.54
0807911	10" HALF ROUND BASTARD	12.66
0807912	10" HOBBY RASP	9.65
0807913	10" MILL BASTARD	5.76
0807914	10" ROUND BASTARD	6.84

Mill - Single Cut

Our premium line of files. These are specially treated with a black oxide coating to last longer, while resisting loading and rust. Designed with a sharper edge on the teeth.

Very adaptable file. Can be used for a multitude of applications.



Mill - Bastard

Part No.	Length	Pkg. Qty.	Price /Each
300158-131350	6"	12	\$5.09
300161-131350	8"	12	6.16
300164-131350	10"	12	7.77
300167-131350	12"	6	12.32
300169-131350	14"	6	16.61

Mill - Second Cut

Part No.	Length	Pkg. Qty.	Price /Each
300159-131350	6"	12	\$7.50
300162-131350	8"	12	8.57
300165-131350	10"	12	10.45

Mill - Smooth Cut

Part No.	Length	Pkg. Qty.	Price /Each
300160-131350	6"	12	\$7.77
300163-131350	8"	12	9.11
300166-131350	10"	12	10.98
300168-131350	12"	6	15.00

Flat - Double Cut

Flat - Bastard

Part No.	Length	Pkg. Qty.	Price /Each
300131-131350	6"	12	\$6.97
300133-131350	8"	12	9.11
300135-131350	10"	12	11.25
300137-131350	12"	6	15.00
300139-131350	14"	6	19.82

Flat - Smooth Cut

Part No.	Length	Pkg. Qty.	Price /Each
300134-131350	8"	12	\$10.98
300136-131350	10"	12	14.47
300138-131350	12"	6	19.29

Knife - Double Bastard Cut



Part No.	Length	Pkg. Qty.	Price /Each
300148-131350	6"	12	\$13.66
300149-131350	8"	12	16.34
300150-131350	10"	12	19.29

Half Round - Double Cut



Half Round - Bastard

Part No.	Length	Pkg. Qty.	Price /Each
300140-131350	6"	12	\$10.72
300142-131350	8"	12	13.13
300144-131350	10"	12	16.07
300146-131350	12"	6	21.16
300147-131350	14"	6	25.45

Half Round - Smooth Cut

Part No.	Length	Pkg. Qty.	Price /Each
300141-131350	6"	12	\$12.32
300143-131350	8"	12	15.00
300145-131350	10"	12	18.48

Round - Double Cut



Round - Bastard

Part No.	Length	Pkg. Qty.	Price /Each
300151-131350	6"	12	\$6.70
300152-131350	6"	12	7.77
300154-131350	10"	12	9.91
300155-131350	12"	6	12.86

Round - Smooth Cut

Part No.	Length	Pkg. Qty.	Price /Each
300153-131350	8"	12	\$10.03

Black Maxi-Sharp Files Cont.



Our premium line of files. These are specially treated with a black oxide coating to last longer, while resisting loading and rust. Designed with a sharper edge on the teeth.

Three Square - Double Bastard Cut



Part No.	Length	Pkg. Qty.	Price /Each
300156-131350	6"	12	\$10.18
300157-131350	8"	12	12.06

Multi-Kut Flat



Part No.	Length	Pkg. Qty.	Price /Each
300170-131350	8"	12	\$10.18
300171-131350	10"	12	12.86

Taper Regular - Single Cut



Part No.	Length	Pkg. Qty.	Price /Each
300174-131350	6"	12	\$5.63

All-Purpose File

Premium Black Oxide finish. A multi-purpose tool as the name implies. Very useful for a wide range of filing applications because it has a different cut on each side. On one side, the double-cut bastard is for hogging off material quickly. The reverse side is a single cut for smoother finishes. One safe edge for shoulder filing with a built-in handle, provides maximum versatility.



Part No.	Length	Pkg. Qty.	Price /Each
300179-131350	8"	12	\$10.45
300180-131350	10"	12	12.86

Saw Files - Single Cut



Part No.	Length	Pkg. Qty.	Price /Each
300175-131350	6"	12	\$4.83

Taper-Extra Slim

Part No.	Length	Pkg. Qty.	Price /Each
300176-131350	6"	12	\$5.09

Taper-Double Extra Slim

Part No.	Length	Pkg. Qty.	Price /Each
300177-131350	6"	12	\$5.21
300178-131350	7"	12	6.16

Special-Purpose Files

Nicholson® Thread Restoring Files

- Used to restore damaged or worn threads on bolts, pipes, etc.
- Each thread restoring file work with 8 different thread sizes
- Available in 4 sizes and in a convenient 4-piece set
- Caps are color coded: #1=Black; #2=Red; #7=Green; #8=Blue
- Files are made in U.S.A

Part No.	Type	Description	Price /Each
0817941	1	Regular Bolt; 11-12, 13-14, 16-18, 20-24 TPI	\$13.78
0817942	2	Ex. Fine/Ex. Coarse Bolt; 9-10, 12-16, 20-27, 28-32 TPI	13.78
0817943	7	Regular Pipe; 8-10, 11 1/2-14, 16-18, 24-27 TPI	13.78
0817944	8	Metric Bolt; 75-1.0, 1.25-1.5, 1.75-2.0, 2.5-3.0 mm	13.78
0817960	-	1 Each of the above files in a pouch	55.05



All-Purpose

Standard finish. A multi-purpose tool as the name implies. Very useful for a wide range of filing applications because it has a different cut on each side. On one side, the double-cut bastard is for hogging off material quickly. The reverse side is a single cut for smoother finishes. One safe edge for shoulder filing with a built-in handle, provides maximum versatility.



Part No.	Length	Pkg. Qty.	Price /Each
300181-131350	8"	12	\$9.38
300182-131350	10"	12	12.06

Pipeliner - Double Cut

For filing weld beads and scale from pipeline.



Part No.	Length	Pkg. Qty.	Price /Each
300183-131350	14"	6	\$16.88

Veneer Knife - Single Cut

This file is actually a mill blunt bastard with two round edges. Designed primarily for sharpening veneer knives.



Part No.	Length	Pkg. Qty.	Price /Each
300184-131350	8"	12	\$10.18
300185-131350	10"	12	11.25

Hobby Rasp - Combo - Combo Cut

Used for general all-around purposes by wood workers, hobbyists and leather craftsmen. This two-sided file has a flat and rounded side. Each side is then divided in half, with a rasp cut on one half and a file cut on the other.



Part No.	Length	Pkg. Qty.	Price /Each
300709-131350	8"	6	\$10.45
300710-131350	10"	6	12.86

File Sets

Nicholson® Handy Man's File Pack

- For home and professional use
- 8"/200mm mill bastard file
- 8"/200mm four-in-hand file
- 6"/150mm slim taper file
- 6"/150mm round bastard file
- Plastic pouch, or card, lists suggested uses for each file
- Pack measures 5 1/2"/125mm x 11 1/8"/293mm with hang up hole



Part No.	Price /Each
0838698	\$35.99

3 File Pack

- For home and professional use
- Pack contains files for every purpose
- 6"/150mm slim taper file
- 6"/150mm round file
- 6"/150mm mill bastard file
- Plastic pouch lists suggested uses for each file
- Pack measures 3 1/2"/88mm x 9 1/2"/237mm with hang up hole



Part No.	Price /Each
0838697	\$20.57



12 pc. Black Maxi-Sharp Needle File Sets

Coated with Black Oxide to prevent clogging, resist rust & maintain sharpness longer. Available with knurled handles. Each assortment contains the 12 most popular shapes packaged in a vinyl sleeve.



Used for applications similar to the larger tapered files and for production work on small parts and hard to reach areas. Needle Files provide excellent detail filing.

Part No.	Length	Cut	Price /Ea
0807877	5-1/2"	#0	\$156.15
0807878	5-1/2"	#2	156.15
0807879	6-1/4"	#0	170.45
0807880	6-1/4"	#2	170.45

5 pc. 8" Black Maxi-Sharp General Purpose File Set

Coated with Black Oxide to prevent clogging, resist rust & maintain sharpness longer. For general filing & finishing packaged in a vinyl sleeve.



Includes: (1)8" Mill Bastard (1)8" MultiKut® (1)8" Hlf. Rnd. Bastard (1)8" Round Bastard (1)8" Square Bastard

Part No.	Price /Ea
0807881	\$65.22

FILE SETS, PRECISION FILES

Files

File Sets Cont.



3 pc. Handled General Purpose Blackmaxi-Sharp™ Set

Features a built-in handle that provides maximum versatility for a wide range of applications. Coated with Black Oxide to prevent clogging, resist rust & maintain sharpness longer. Packaged in a vinyl sleeve.

Includes: (1)10" Mill Bastard (1)10" Flat Bastard (1)8" MultiKut™ Bastard



Part No.	Price /Each
0807884	\$46.52

5 pc. 8" Handled General Purpose Blackmaxi-Sharp™ Set

Features a built-in handle that provides maximum versatility for a wide range of applications. Coated with Black Oxide to prevent clogging, resist rust & maintain sharpness longer. Packaged in a canvass roll-up pouch.

Includes: (1)8" Mill Bastard (1)8" Square Bastard (1)8" Round Bastard (1)8" Half Round Bastard (1)8" MultiKut®



Part No.	Price /Ea
0807882	\$72.96

9 pc. 10" Handled Professional Blackmaxi-Sharp™ Set

Features a built-in handle that provides maximum versatility for a wide range of applications. Coated with Black Oxide to prevent clogging, resist rust & maintain sharpness longer. Packaged in a canvass roll-up pouch.

Includes: (1)10" Mill Bastard (1)10" Flat MultiKit® (1)10" Half Round MultiKit (1)10" Mill Smooth (1)10" Round Bastard (1)10" All Purpose (1)10" Flat Bastard (1)10" Half Round Bastard (1)6" Slim-Tapered



Part No.	Price /Ea
0807885	\$124.05

File Accessories



Carded File Handle-Plastic

- Interchangeable cushion inserts designed to fit most popular files for handyman
- Handle made of strong high-impact material, contoured to fit hand for straight, lathe and draw filing
- Non-slip textured finish for easier grip



Part No.	Description	Price /Each
0800024	File Handle and Inserts	\$3.99



File Handles -Skroo-Zon

File Handle screws around File tang. Skroo-Zon® wooden file handles have a threaded insert for "easy on and easy off." Reusable and long lasting.



Part No.	Size	Pkg. Qty.	Price /Each
0315911	4"T2	12	\$2.85
0315912	6"T4	12	3.12
0315913	8"T5	12	3.38
0315914	10"T6	12	3.65
0315915	12"T7	12	3.92
0315916	14"T8	12	4.19

Ideal for hand finishing bearing surfaces, casing joints and other metal seats.



Part No.	Size	Pkg. Qty.	Price /Each
0315917	Scraper 3-1/4"	12	\$17.68

File Handles - (Wood)



Part No.	Length	Pkg. Qty.	Price /Each
300718-131350	4-1/2"	12	\$1.88
300720-131350	5-1/2"	12	2.21

File Card/Brush



Part No.	Pkg. Qty.	Price /Each
300723-131350	12	\$12.48

File All (Sleeved with Hobby Rasp)



Part No.	Pkg. Qty.	Price /Each
300711-131350	1	\$29.46

Precision Files



Swiss Needle Files

Precision files, for exacting work, especially under magnification. Made of the highest quality steel, machined and finished for precision shape, accuracy and balance. Files shown come with round, knurled handles.

- 5-1/2" files have a cut portion of 2-1/2"
- 6-1/4" files have a cut portion of 3"



Overall Lgth.	Cut 0		Cut 2	
	Part No.	Price /Each	Part No.	Price /Each
5-1/2"	0850631	\$8.27	0850644	\$8.49
6-1/4"	0850657	8.87	0850670	8.87



Overall Lgth.	Cut 0		Cut 2	
	Part No.	Price /Each	Part No.	Price /Each
5-1/2"	0850632	\$8.49	0850645	\$7.15
6-1/4"	0850658	8.87	0850671	9.10



Overall Lgth.	Cut 0		Cut 2	
	Part No.	Price /Each	Part No.	Price /Each
5-1/2"	0850633	\$8.05	0850646	\$8.27
6-1/4"	0850659	8.57	0850672	8.57



Overall Lgth.	Cut 0		Cut 2	
	Part No.	Price /Each	Part No.	Price /Each
5-1/2"	0850634	\$8.49	0850647	\$8.80
6-1/4"	0850660	9.10	0850673	9.10



Overall Lgth.	Cut 0		Cut 2	
	Part No.	Price /Each	Part No.	Price /Each
5-1/2"	0850635	\$8.27	0850648	\$8.49
6-1/4"	0850661	8.87	0850674	8.87



Overall Lgth.	Cut 0		Cut 2	
	Part No.	Price /Each	Part No.	Price /Each
5-1/2"	0850636	\$8.49	0850649	\$8.49
6-1/4"	0850662	9.10	0850675	9.10



Overall Lgth.	Cut 0		Cut 2	
	Part No.	Price /Each	Part No.	Price /Each
5-1/2"	0850637	\$8.27	0850650	\$8.49
6-1/4"	0850663	8.87	0850676	8.87

Precision Files Cont.



Round

Overall Lgth.	Cut 0		Cut 2	
	Part No.	Price /Each	Part No.	Price /Each
5-1/2"	0850638	\$8.05	0850651	\$8.27
6-1/4"	0850664	8.57	0850677	9.32

Slitting

Overall Lgth.	Cut 0		Cut 2	
	Part No.	Price /Each	Part No.	Price /Each
5-1/2"	0850639	\$8.27	0850652	\$8.49
6-1/4"	0850665	8.87	0850678	8.87

Square

Overall Lgth.	Cut 0		Cut 2	
	Part No.	Price /Each	Part No.	Price /Each
5-1/2"	0850640	\$8.27	0850653	\$8.49
6-1/4"	0850666	8.87	0850679	8.87

Three Square

Overall Lgth.	Cut 0		Cut 2	
	Part No.	Price /Each	Part No.	Price /Each
5-1/2"	0850641	\$8.27	0850654	\$8.49
6-1/4"	0850667	8.87	0850680	8.87

Warding

Overall Lgth.	Cut 0		Cut 2	
	Part No.	Price /Each	Part No.	Price /Each
5-1/2"	0850642	\$8.27	0850655	\$8.49
6-1/4"	0850668	8.87	0850681	8.87

Sets of 12 Assorted Needle Files

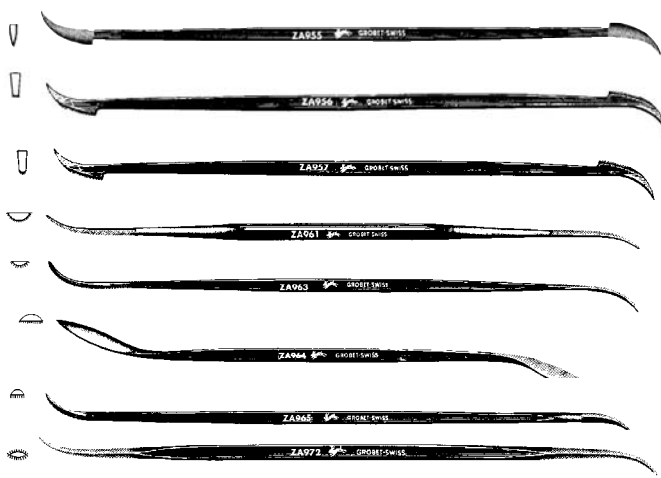
These 5-1/2" and 6-1/4" sets consist of one of each barrette, crossing, equalling, half-round, joint round edge, knife, marking, round, slitting, square, three square, and warding files.



Overall Lgth.	Cut 0		Cut 2	
	Part No.	Price /Each	Part No.	Price /Each
5-1/2"	0850630	\$98.26	0850643	\$101.36

Die Sinkers' Rifflers

A comprehensive selection of precision rifflers. All double ended and 6" long.



Shape	Cut 0		Cut 2	
	Part No.	Price /Each	Part No.	Price /Each
955	0850683	\$19.26	0850696	\$19.26
956	0850689	19.26	0850702	19.26
957	0850684	19.26	0850697	19.26
961	0850690	21.53	0850703	21.53
963	0850685	21.53	0850698	21.53
964	0850691	19.26	0850704	19.26
965	0850686	19.26	0850699	19.26
972	0850692	19.26	0850705	19.26
973	0850687	19.26	0850700	19.26
975	0850693	19.26	0850706	19.26
981	0850688	19.26	0850701	19.26
982	0850694	19.26	0850707	19.26

12 Piece Set of Die Sinkers' Rifflers

Contains the most widely used shapes from above.

Part No.	Cut 0		Cut 2	
	Price /Each	Part No.	Price /Each	Part No.
0850682	\$230.00	0850695	\$230.00	

Habilis File Set

Habilis files offer craftsmen something different: precision files designed for those in between jobs, too big for needle files and requiring finer control than a larger, heavier file can deliver. The distinctive design includes a built in handle, so there's no separate handle to buy and they're shaped for easy handling and balanced for efficient cutting. These strong, durable files are ideal for a variety of uses. Length of cut is 4" and the overall length is 8-1/2".



Part No.	Cut 00		Cut 1	
	Price /Each	Part No.	Price /Each	Part No.
0850709	\$47.16	0850708	\$47.16	

Habilis Rasp Set

For cutting wood, fiber-glass, plastics or soft metals.



Part No.	Price /Each
0850710	\$45.49

Habilis Riffler Set with Handle

Ideal for filing unusually shaped or hard to reach areas. The built in handles can be used as is or the specially designed plastic handle can be used when a heavier grip is required.



Part No.	Price /Each
0850711	\$81.27

Diamond Needle File Sets

Diamond file materials are excellent for use in precision filing or hard to file materials greater than 55Rc, such as ceramics, carbide, glass and hardened steel.

6 Pc. Set Includes: (1)Equalling Shape (1)Round Shape (1)Half Round Shape (1)Three Square Shape (1)Square Shape (1)Crossing Shape

5 Pc. Set Includes: (1)Equalling Shape (1)Round Shape (1)Half Round Shape (1)Three Square Shape (1)Square Shape

Part No.	Grit	No. of Pieces	Price /Ea
0807886	100	6	\$172.25
0807887	150	6	172.25
0807888	220	6	172.25
0807889	100	5	143.54
0807890	150	5	143.54

DEBURRING TOOLS

Deburring Tools

Deburring Tools

SHAVIV

B Blades and Holders

The Workhorse, for deburring of holes, slots, and edges in metals and plastics

Contains: Blades B10, B20, Blade Holder B and Handle A.

Blades can be inserted on the axis of the blade holder or perpendicular to it. Minimum hole diameter 3.0 mm (0.12")



Part No.	Vendor No.	Price /Each
0327987	29065	\$18.00

Workhorse with Aluminum Handle

Contains: Blades B10, B20, Blade Holder B and Aluminum Handle A. For rugged, extra heavy duty jobs.



Part No.	Vendor No.	Price /Each
0327988	29066	\$23.00

The Workhorse Ergo Set B

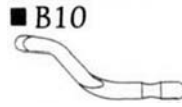
Highly popular sets for deburring holes, slots and edges on metals and plastics. Each set comes with a B Holder that accepts all B blades. Blades can be inserted on the holder axis or perpendicular to holder. Recommendation: For maximum comfort, select the Mango Handle with Holder B or with the Mango Adaptor B when you need an extra close grip.



Part No.	Vendor No.	Price /Each
0327989	90011	\$21.00

B10

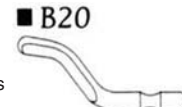
HSS blade excellent for materials with spiral chips such as aluminum, plastics, steels, etc.



Part No.	Vendor No.	Price /Each
0327980	29012	\$1.50

B20

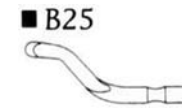
HSS blade ideal for brass, cast iron and other materials with a powdery chip. Deburrs in both clockwise and counterclockwise directions.



Part No.	Vendor No.	Price /Each
0327981	29019	\$1.50

B25

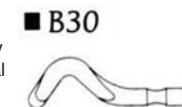
A very thin blade specifically designed to deburr soft plastics.



Part No.	Vendor No.	Price /Each
0327982	29022	\$1.50

B30

Hooked blade simultaneously removes external and internal burrs from holes drilled into steel and plastics up to 4 mm (0.16") thick.



Part No.	Vendor No.	Price /Each
0327983	29023	\$2.20

UB2 DisposaBurr

- Coated, aluminum handle
- Slim-grip, convenient tool for deburring steels, aluminum and plastics
- Comes with a non-replaceable B10 blade
- Features a convenient pocket clip



Part No.	Vendor No.	Color	Price /Each
0327998	29186	Black	\$5.00
0327999	29187	Blue	5.00
0328000	29188	Green	5.00
0328001	29190	Yellow	5.00
0328002	29081	Red	5.00

E Blades and Holders

The Heavy Duty Rotational Deburring Tool

Contains: Blades E100, E200, E300, Blade Holder E and Plastic Handle A. Used for heavy duty deburring. Minimum hole diameter 4.0 mm (0.16")



Part No.	Vendor No.	Price /Each
0327990	29069	\$21.00

Set 1 with non-telescopic blade holder

Contains: Blades E100, E200, E300, Non-Telescopic Blade Holder Shaviv 1. Holds all "E" series blades. The blade's proximity to the handle makes this the perfect tool for really tough jobs.



Part No.	Vendor No.	Price /Each
0327992	29078	\$16.00

Heavy Duty Ergo Set E

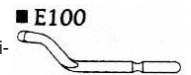


Rugged deburring set for heavy-duty deburring of holes, slots and edges. Each set comes with an E holder that supports any E blade. For the utmost comfort, select the Mango Handle with Holder E. When you need an extra-close grip use the Mango Handle and Mango Adapter E.

Part No.	Vendor No.	Price /Each
0327991	90019	\$24.00

E100

Excellent for materials with spiral chips such as aluminum, plastics, steel, etc.



Part No.	Vendor No.	Price /Each
0327984	29034	\$2.00

E200

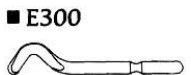
Ideal for brass, cast iron and other materials with a powdery chip. Can deburr in both a clockwise and counterclockwise direction.



Part No.	Vendor No.	Price /Each
0327985	29040	\$2.00

E300

Hooked blade simultaneously removes both external and internal burrs from holes drilled into steels and plastics up to 4 mm (0.16") thick.



Part No.	Vendor No.	Price /Each
0327986	29042	\$2.50

Deburring Tools Cont.

SHAVIV

UB1 DisposaBurr

- Coated, aluminum handle
- Slim-grip, convenient tool for heavy-duty deburring of steels, aluminum and plastics
- Comes with a non-replaceable E100 blade
- Features a convenient pocket clip



Part No.	Vendor No.	Color	Price /Each
0327996	29185	Black	\$6.00
0327993	29181	Blue	6.00
0327994	29183	Green	6.00
0327995	29184	Red	6.00
0327997	29080	Yellow	6.00

C Blades and Holders The Scraper Set

Contains: Blade C42, Blade Holder C, Plastic Handle A and a Key.



Part No.	Vendor No.	Price /Each
0328003	29067	\$27.00

Ergo Scraper Set C



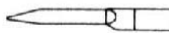
Designed for high quality finishing and scraping. Features triangular blades with three cutting edges and a telescoping blade holder that lets you reach hard to access areas. Provides maximum grip comfort when used with Mango Handle. Suggestion: Use the key supplied to safely release and remove blades.

Part No.	Vendor No.	Price /Each
0328004	90013	\$30.00

C40

■ C40

HSS small triangular scraper. Excellent for delicate precision work. Precision ground after hardening.



Part No.	Vendor No.	Price /Each
0328006	29029	\$10.00

C42

■ C42

HSS standard triangular scraper. Precision ground after hardening.



Part No.	Vendor No.	Price /Each
0328005	29030	\$17.00

Burr-Bi For deburring of heavy duty materials



The two insert tool for double edge deburring on heavy duty materials. Stays sharper longer! Supplied with a built-in handguard for worker safety. For all thicknesses up to 14 mm (0.56")

This set contains: Burr-Bi blade holder, 2 universal R10 blades, Handle A and a key. Blades can be positioned in two ways.

Part No.	Vendor No.	Price /Each
0328007	29140	\$30.00

Universal Blades

HSS double sided, round, universal blade with unique cutting angle.

Side A: Deburr steel, aluminum, stainless steel and hard metals.

Side B: Deburr brass and plastics.



Part No.	Vendor No.	Price /Each
0328009	29141	\$7.00

Ergo Burr-Bi Set

Designed for heavy-duty materials that have single or double straight edges up to 14 mm (0.56") thick and produce spiral or powdery chips.



Part No.	Vendor No.	Price /Each
0328008	90010	\$33.00

Countersink Set F

For regular non-repetitive deburring.

Contains: Countersink Tool F20, Blade Holder F, Handle A.



Part No.	Vendor No.	Price /Each
0328010	29070	\$41.00

The HSS countersinks are available in three different diameters:

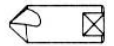
F12 - 12 mm (0.5") diameter

F20 - 20 mm (0.75") diameter

F30 - 30 mm (1.25") diameter

F12

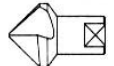
■ F12



Part No.	Vendor No.	Price /Each
0328013	29049	\$19.00

F20

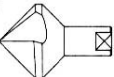
■ F20



Part No.	Vendor No.	Price /Each
0328011	29050	\$26.00

F30

■ F30



Part No.	Vendor No.	Price /Each
0328012	29051	\$45.00

Glo-Burr B

- Lightweight, easy-to-grip tool made from specially engineered, reinforced plastic
- Designed for deburring of steels, aluminum and plastics
- This versatile handle is supplied with a B10 blade and holds other popular B blades
- Features a convenient pocket clip



Part No.	Vendor No.	Color	Price /Ea
0800490	29134	Blue	\$5.00
0800491	29154	Yellow	5.00
0800492	29152	Green	5.00
0800493	29153	Red	5.00

Mango Click Sets

- Ergonomic handle
- One click to replace blade
- For deburring metal and plastic



Part No.	Vendor No.	Description	Price /Ea
0800486	29230	Mango Click w/B10 Blades	\$18.00
0800487	29229	Mango Click w/E100 Blades	24.00

Finishing-Bit

- Quick change hex bit with deburring blade attached
- Fits in 1/4" bit holder
- Great tool for industrial use, electricians, plumbers, installers and DIY
- Set includes screwdriver bit holder and one finishing-bit



Part No.	Vendor No.	Description	Price /Ea
0800488	90049	Finishing-Bit Set	\$12.60
0800489	90050	Finishing-Bit 4 pack	10.50

DIAMOND & CBN TOOLROOM PRODUCTS

Diamond & CBN Toolroom Products

Diamond and CBN Toolroom Products



Diamond Dressers Single Point

Single point diamond tools for truing and dressing conventional abrasive wheels.



SHANK J



SHANK M

Part No.	Carat Wt.	Shank Lgth.	Shank Dia.	Model No.	Price /Each
0320991	.25	2"	7/16"	BC2 - 7	\$37.66
0320992	.33	2"	3/8"	BC3 - 6	41.94
0320993	.33	2"	7/16"	BC3 - 7	41.94
0320994	.50	2"	3/8"	BC5 - 6	50.00
0320995	.50	2"	7/16"	BC5 - 7	50.00
0320996	.25	2"	7/16"	BCSG2M7	67.43
0320997	.33	2"	7/16"	BCSG3M7	135.02
0320998	.33	2"	3/8"	BCSG3M6	88.47

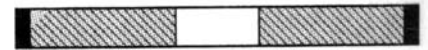
Multi Point

Multi-point nibs are in shape 1R.

Part No.	Carat Wt.	Shank Lgth.	Shank Dia.	Model No.	Price /Each
0320999	1/4" Multi	1-3/16"	7/16"	BC64	\$51.50
0321000	3/8" Multi	1-3/16"	7/16"	BC65	70.86

Type 1A1 Diamond Straight Wheel

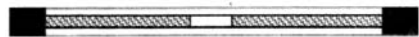
Typical applications include sharpening carbide cutting tools, grinding and cutting nonmetallic materials, surface grinding and O.D. grinding.



Part No.	Size	Description	Price /Each
0321007	4" x 1/4" x 3/4"	SD150-R100B99-1/4"	\$224.93
0321059	6" x 1/2" x 1-1/4"	ASD120-R75B99-1/4"	510.35
0321019	6" x 1/4" x 1-1/4"	ASD150-R75B99-1/8"	274.62
0321020	6" x 1/4" x 1-1/4"	SD150-R100B99-1/8"	278.97
0321021	6" x 1/4" x 1-1/4"	SD180-R100B99-1/8"	278.97
0321022	6" x 1/4" x 1-1/4"	SD220-R100B99-1/8"	278.97
0321049	6" x 1/4" x 1-1/4"	RMD180-P100V99-1/8"	320.07
0321057	6" x 1/4" x 1-1/4"	SD220-R100B99-1/4"	350.26
0321023	6" x 3/8" x 1-1/4"	ASD150-R75B99-1/8"	322.19
0321058	6" x 3/8" x 1-1/4"	ASD120-R75B99-1/4"	428.13
0321028	7" x 1/2" x 1-1/4"	ASD150-R75B99-1/8"	413.10
0321029	7" x 1/2" x 1-1/4"	SD120-R100B99-1/8"	419.56
0321050	7" x 1/2" x 1-1/4"	ASD100-R75B99-1/8"	413.10
0321027	7" x 3/8" x 1-1/4"	SD220-R100B99-1/8"	365.53

Type 1A1R Diamond Cut-Off Wheel

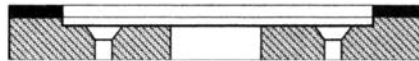
Typical applications include cutting carbide cutting tools, cutting off carbide rod, and cutting nonmetallic materials.



Part No.	Size	Description	Price /Each
0321037	4" x 1/32" x 1-1/4"	SD100S-R100B99-1/4"	\$170.90
0321024	4" x 1/32" x 3/4"	SD120-R100B99-1/4"	170.90
0321036	6" x .025" x 1-1/4"	M4D150-N100M99-1/8"	248.66
0321025	6" x .035" x 1-1/4"	ASD120-R75B99-1/4"	212.00
0321030	6" x .035" x 1-1/4"	SD100-R100B99-1/4"	212.00
0321038	6" x .035" x 1-1/4"	SD100S-R100B99-1/4"	212.00
0321039	6" x .035" x 1-1/4"	SD220-R100B99-1/4"	212.00
0321040	6" x .035" x 1-1/4"	ASD100S-R100B99-1/4"	214.13
0321041	6" x .035" x 1-1/4"	ASD120-R100B99-1/4"	214.13
0321042	6" x .035" x 1-1/4"	SD100-R100B99-9/32"	214.13
0321043	6" x .035" x 1-1/4"	SD120-R100B99-9/32"	214.13
0321044	6" x .035" x 1-1/4"	ASD100S-R100B99-9/32"	220.58
0321045	6" x .035" x 1-1/4"	ASD120-R100B99-9/32"	220.58
0321047	8" x .045" x 1-1/4"	SD120-R100B99-1/4"	285.53
0321046	8" x .045" x 5/8"	SD120-R100B99-1/4"	285.53

Type 6A2C Straight Diamond Cup Wheel

Typical applications include sharpening carbide cutting tools, grinding and cutting nonmetallic materials.



Part No.	Size	Description	Price /Each
0321014	3-3/4" x 1-1/2" x 1-1/4"	SD180-R100B99-1/8"	\$335.22
0321060	6" x 3/4" x 1-1/4"	ASD120-R75B99-1/8"	453.65

Type 11V9 Diamond Cup Wheel

Typical applications include sharpening carbide cutting tools, grinding nonmetallic materials.



Part No.	Size	Description	Price /Each
0321051	6" x 1-11/16" x 1-1/4"	ASD150-R100B99-1/4"	\$490.67
0321014	3-3/4" x 1-1/2" x 1-1/4"	SD180-R100B99-1/8"	235.74
0321015	3-3/4" x 1-1/2" x 1-1/4"	SD150-R100B99-1/8"	235.74
0321016	3-3/4" x 1-1/2" x 1-1/4"	SD120-R100B99-1/8"	235.74
0321017	3-3/4" x 1-1/2" x 1-1/4"	ASD150-R75B99-1/8"	233.63
0321018	3-3/4" x 1-1/2" x 1-1/4"	ASD120-R75B99-1/8"	233.63
0321026	3-3/4" x 1-1/2" x 1-1/4"	ASD150-R75B99-1/16"	209.66
0321032	3-3/4" x 1-1/2" x 1-1/4"	ASD120-R75B105-1/8"	302.69
0321033	3-3/4" x 1-1/2" x 1-1/4"	ASD150-R75B105-1/8"	302.69
0321056	3-3/4" x 1-1/2" x 1-1/4"	SD100S-R100B99-1/8"	235.74
0321009	5" x 1-3/4" x 1-1/4"	SD150-R100B99-1/8"	298.46
0321010	5" x 1-3/4" x 1-1/4"	ASD180-R75B99-1/8"	296.23
0321011	5" x 1-3/4" x 1-1/4"	ASD150-R75B99-1/8"	296.23
0321012	5" x 1-3/4" x 1-1/4"	ASD120-R75B99-1/8"	296.23
0321013	5" x 1-3/4" x 1-1/4"	SD180-R100B99-1/16"	261.84
0321034	5" x 1-3/4" x 1-1/4"	ASD120-R75B105-1/8"	384.90
0321035	5" x 1-3/4" x 1-1/4"	ASD150-R75B105-1/8"	384.90

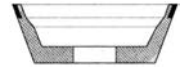
Type 12V9 Diamond Dish Wheel

Typical applications include sharpening carbide cutting tools, grinding nonmetallic materials.



Part No.	Size	Description	Price /Each
0321008	4" x 1/2" x 1-1/4"	SD180-R100B99-1/8"	\$237.96

Type 11V9 CBN Cup Wheels



Part No.	Size	Description	Price /Each
0321001	3-3/4" x 1-1/2" x 1-1/4"	AZTEC.007	\$339.57
0321002	3-3/4" x 1-1/2" x 1-1/4"	AZTEC III 100T-1/16"	339.57
0321003	3-3/4" x 1-1/2" x 1-1/4"	AZTEC III 120T-1/16"	339.57
0321004	3-3/4" x 1-1/2" x 1-1/4"	AZTEC III 120T-1/8"	434.71
0321005	5" x 1-3/4" x 1-1/4"	AZTEC III 100T-1/16"	443.39
0321006	5" x 1-3/4" x 1-1/4"	AZTEC III 100T-1/8"	609.72

Typical application includes sharpening high speed steel cutting tools.

Vitrified Wheels



Vitrified Wheels

Norton vitrified toolroom wheels have set the standard for generations, leading the way with technological improvements to maximize performance and productivity.

Typical Applications

- Surface grinding
- Tool and cutter grinding
- Drill sharpening

Norton vitrified wheels are available in three abrasive types to fit your needs.

Grades:

- Good: 38A The choice for light grinding of tool steels. Color: White
- Better: 32A Ideal for medium to heavy stock removal. Color: Gray
- Best: SG Highest productivity and lowest total per part grinding cost. Color: Blue

38A Type O1 Straight Wheels

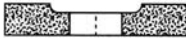


Part No.	Size	Specification	Price /Each
0851128	7" x 1/4" x 1-1/4"	32A80-KVBE	\$39.05
0851129	7" x 1/4" x 1-1/4"	32A60-KVBE	39.05
0851130	7" x 1/4" x 1-1/4"	32A60-IVBE	39.05
0851131	7" x 1/4" x 1-1/4"	32A80-JVBE	39.05
0851132	7" x 1/4" x 1-1/4"	32A60-JVBE	39.05
0851133	7" x 1/4" x 1-1/4"	32A100-IVBE	39.05
0851134	7" x 1/2" x 1-1/4"	32A60-HVBE	48.70
0851135	7" x 1/2" x 1-1/4"	32A60-IVBE	48.70
0851136	7" x 1/2" x 1-1/4"	32A46-IVBE	48.70
0851137	7" x 1/2" x 1-1/4"	32A60-JVBE	48.70
0851138	7" x 1/2" x 1-1/4"	32A46-KVBE	48.70
0851139	7" x 1/2" x 1-1/4"	32A46-GVBEP	48.70
0851140	7" x 1/2" x 1-1/4"	32A60-JVBE	48.70
0851141	7" x 1/2" x 1-1/4"	32A60-KVBE	48.70
0851142	7" x 1/2" x 1-1/4"	32A46-HVBEP	48.70
0851143	7" x 1/2" x 1-1/4"	32A60-HVBE	48.70
0851144	7" x 1/2" x 1-1/4"	32A80-KVBE	48.70
0851145	7" x 1/2" x 1-1/4"	32A120-LVBE	48.70
0851146	7" x 1/2" x 1-1/4"	32A80-JVBE	48.70
0851147	7" x 1/2" x 1-1/4"	32A60-GVBEP	48.70
0851148	7" x 1/2" x 1-1/4"	32A46-FVBEP	48.70
0851149	8" x 1/4" x 1-1/4"	32A60-IVBE	47.08
0851150	8" x 1/2" x 1-1/4"	32A46-HVBE	58.25
0851151	8" x 1/2" x 1-1/4"	32A60-IVBE	58.25
0851152	8" x 1/2" x 1-1/4"	32A46-IVBE	58.25
0851153	8" x 1/2" x 1-1/4"	32A46-JVBE	58.25
0851154	8" x 1/2" x 1-1/4"	32A46-GVBEP	58.25
0851155	8" x 1/2" x 1-1/4"	32A60-JVBE	58.25
0851156	8" x 1/2" x 1-1/4"	32A60-KVBE	58.25
0851157	8" x 1/2" x 1-1/4"	32A46-HVBEP	58.25
0851158	8" x 1/2" x 1-1/4"	32A46-KVBE	58.25
0851159	8" x 3/4" x 1-1/4"	32A46-JVBE	69.42

Vitrified Wheels Cont.



38A Type 05 Recessed Wheels



Part No.	Size	Specification	Price /Each
0851124	7" x 1" x 1-1/4"	38A46-IVBE	\$44.07

38A Type 11 Flaring Cup Wheels



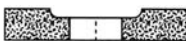
Part No.	Size	Specification	Price /Each
0851125	4/3" x 1-1/2" x 1-1/4" Rim 1/4 Back 1/2 Face Z	38A60-KVBE	\$30.31
0851126	5/3"-3/4" x 1-3/4" x 1-1/4" Rim 1/4 Back 1/2 Face Z	38A60-JVBE	46.39
0851127	5/3"-3/4" x 1-3/4" x 1-1/4" Rim 1/4 Back 1/2 Face Z	38A46-KVBE	46.39

32A Type 01 Straight Wheels



Part No.	Size	Specification	Price /Each
0851100	7" x 1/4" x 1-1/4"	38A100-IVBE	\$23.15
0851101	7" x 1/4" x 1-1/4"	38A80-IVBE	23.15
0851102	7" x 1/4" x 1-1/4"	38A80-KVBE	23.15
0851103	7" x 1/4" x 1-1/4"	38A60-IVBE	23.15
0851104	7" x 1/4" x 1-1/4"	38A150-LVBE	40.58
0851105	7" x 1/4" x 1-1/4"	38A60-KVBE	23.15
0851106	7" x 1/4" x 1-1/4"	38A80-JVBE	23.15
0851107	7" x 1/2" x 1-1/4"	38A46-HVBE	28.86
0851108	7" x 1/2" x 1-1/4"	38A60-IVBE	28.86
0851109	7" x 1/2" x 1-1/4"	38A60-KVBE	28.86
0851110	7" x 1/2" x 1-1/4"	38A46-IVBE	28.86
0851111	7" x 1/2" x 1-1/4"	38A60-JVBE	28.86
0851112	7" x 1/2" x 1-1/4"	38A80-IVBE	28.86
0851113	7" x 1/2" x 1-1/4"	38A46-JVBE	28.86
0851114	7" x 1/2" x 1-1/4"	38A80-KVBE	28.86
0851115	7" x 1/2" x 1-1/4"	38A100-IVBE	28.86
0851116	7" x 1/2" x 1-1/4"	38A46-KVBE	28.86
0851117	7" x 1/2" x 1-1/4"	38A60-HVBE	28.86
0851118	8" x 1/4" x 1-1/4"	38A80-KVBE	27.89
0851119	8" x 1/2" x 1-1/4"	38A46-HVBE	34.59
0851120	8" x 1/2" x 1-1/4"	38A60-IVBE	34.59
0851121	8" x 1/2" x 1-1/4"	38A46-IVBE	34.59
0851122	8" x 1/2" x 1-1/4"	38A46-JVBE	34.59
0851123	8" x 1/2" x 1-1/4"	38A60-KVBE	34.59

32A Type 05 Recessed Wheels



Part No.	Size	Specification	Price /Each
0851160	7" x 3/4" x 1-1/4"	32A46-IVBE	\$65.60
0851161	7" x 1" x 1-1/4"	32A46-IVBE	74.27
0851162	7" x 1" x 1-1/4"	32A46-HVBE	74.27
0851163	7" x 1" x 1-1/4"	32A46-HVBE	74.27
0851164	8" x 1" x 1-1/4"	32A46-IVBE	89.92

32A Type 11 Flaring Cup Wheels



Part No.	Size	Specification	Price /Each
0851165	4/3 x 1-1/2" x 1-1/4" Rim1/4Back1/2FaceZ	32A60-KVBE	\$47.86
0851166	4/3 x 1-1/2" x 1-1/4" Rim1/4Back1/2FaceZ	32A46-KVBE	47.86
0851167	4/3 x 1-1/2" x 1-1/4" Rim1/4Back1/2FaceZ	32A60-JVBE	47.86
0851168	5/3-3/4 x 1-3/4" x 1-1/4" Rim1/4Back1/2FaceZ	32A46-KVBE	80.43
0851169	5/3-3/4 x 1-3/4" x 1-1/4" Rim1/4Back1/2FaceZ	32A60-JVBE	80.43
0851170	5/3-3/4 x 1-3/4" x 1-1/4" Rim1/4Back1/2FaceZ	32A60-KVBE	80.43
0851171	6/4-1/2 x 2" x 1-1/4" Rim3/8Back1/2FaceZ	32A46-KVBE	114.72
0851172	6/4-1/2 x 2" x 1-1/4" Rim3/8Back1/2FaceZ	32A46-IVBE	118.05

32A Type 12 Dish Wheels



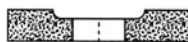
Part No.	Size	Specification	Price /Each
0851173	6" x 1/2" x 1-1/4"	32A60-JVBE	\$50.87
0851174	6" x 3/4" x 1-1/4"	32A60-KVBE	57.60
0851175	6" x 3/4" x 1-1/4"	32A60-JVBE	57.60

5SG Type 01 Straight Wheels



Part No.	Size	Specification	Price /Each
0321062	7" x 1/4" x 1-1/4"	5SG46-IVS	\$63.36
0321063	7" x 1/4" x 1-1/4"	5SG60-KVS	75.40
0321064	7" x 1/4" x 1-1/4"	5SG60-IVS	63.36
0321065	7" x 1/4" x 1-1/4"	5SG80-KVS	63.36
0321066	7" x 1/4" x 1-1/4"	5SG60-JVS	63.36
0321067	7" x 1/2" x 1-1/4"	5SG46-IVS	78.95
0321068	7" x 1/2" x 1-1/4"	5SG46-JVS	78.95
0321069	7" x 1/2" x 1-1/4"	5SG46-GVSP	90.80
0321070	7" x 1/2" x 1-1/4"	5SG60-JVS	78.95
0321071	7" x 1/2" x 1-1/4"	5SG60-IVS	78.95
0321072	7" x 1/2" x 1-1/4"	5SG46-KVS	78.95
0321073	7" x 1/2" x 1-1/4"	5SG60-KVS	78.95
0321074	7" x 1/2" x 1-1/4"	5SG80-JVS	78.95
0321075	7" x 1/2" x 1-1/4"	5SG60-IVSP	90.80
0321076	7" x 1/2" x 1-1/4"	5SG46-IVSP	90.80
0321077	7" x 1/2" x 1-1/4"	5SG80-KVS	78.95
0321078	7" x 1/2" x 1-1/4"	5SG60-GVSP	90.80
0321079	7" x 3/4" x 1-1/4"	5SG60-JVS	94.58
0321080	8" x 1/4" x 1-1/4"	5SG60-KVS	76.35
0321081	8" x 1/2" x 1-1/4"	5SG46-JVS	94.58
0321082	8" x 1/2" x 1-1/4"	5SG46-IVS	94.58
0321083	8" x 1/2" x 1-1/4"	5SG46-GVSP	108.66
0321084	8" x 1/2" x 1-1/4"	5SG60-JVS	94.58
0321085	8" x 1/2" x 1-1/4"	5SG46-KVS	94.58
0321086	8" x 1/2" x 1-1/4"	5SG60-IVS	94.58
0321087	8" x 1/2" x 1-1/4"	5SG60-KVS	94.58
0321088	8" x 1/2" x 1-1/4"	5SG46-IVSP	108.66
0321089	8" x 1/2" x 1-1/4"	5SG80-KVS	94.58
0321090	8" x 3/4" x 1-1/4"	5SG46-JVS	112.75
0321091	8" x 3/4" x 1-1/4"	5SG46-IVS	112.75

5SG Type 05 Recessed Wheels



Part No.	Size	Specification	Price /Each
0321092	7" x 3/4" x 1-1/4"	5SG46-IVS	\$106.49
0321093	7" x 1" x 1-1/4"	5SG46-JVS	120.55
0321094	7" x 1" x 1-1/4"	5SG46-IVS	120.55

5SG Type 11 Flaring Cup Wheels



Part No.	Size	Specification	Price /Each
0321095	4/3 x 1-1/2" x 1-1/4" Rim1/4 Back1/2 Face Z	5SG60-JVS	\$65.53
0321096	4/3 x 1-1/2" x 1-1/4" Rim1/4 Back1/2 Face Z	5SG60-LVS	65.53
0321097	4/3 x 1-1/2" x 1-1/4" Rim5-1/4 Back1/2 Face Z	SG46-IVSP	75.34
0321098	5/3-3/4 x 1-3/4" x 1-1/4" Rim1/4 Back1/2 Face Z	5SG60-LVS	126.79
0321099	5/3-3/4 x 1-3/4" x 1-1/4" Rim1/4 Back1/2 Face Z	5SG60-KVS	126.79

5SG Type 12 Dish Wheels



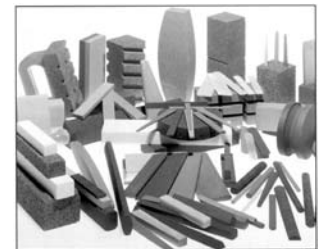
Part No.	Size	Specification	Price /Each
0321100	6" x 1/2" x 1-1/4"	5SG60-LVS	\$82.62
0321101	6" x 1/2" x 1-1/4"	5SG80-KVS	82.62
0321102	6" x 3/4" x 1-1/4"	5SG60-KVS	93.57

Sharpening Stones



Tool Room Files Round and Half Round

Both rounds and half-rounds offer curved faces to give the user the ability to hone instruments with contoured surfaces. Half-rounds have the extra dimension of a flat side. The denser the material a round or half-round is made from the better the finish it can offer the user, but the longer it will take him to achieve it.



Round

Part No.	Size	Type	Style	Price /Ea
0302588	4" x 3/8" - AlmFine	Oil Filled	Round	\$6.17
0302589	4" x 1/2" - AlmMed	Oil Filled	Round	6.24
0302590	4" x 1/2" - AlmFine	Oil Filled	Round	6.30

Half-Round

Part No.	Size	Type	Style	Price /Ea
0302579	4" x 1/2" - AlmMed	Oil Filled	Half-Round	\$4.88
0302580	4" x 1/2" - AlmFine	Oil Filled	Half-Round	4.88

KNIFE SHARPENING SYSTEMS

Sharpening Stones

Sharpening Stones Cont.



Tool Room Files Square and Triangular

Squares and Triangles have both flat sides and long, sharp edges. They are the most popular types of tool room files.

Square

Part No.	Size	Type	Style	Price /Ea
0302581	4" x 1/4" - AlmFine	Oil Filled	Square	\$3.23
0302582	4" x 3/8" - AlmFine	Oil Filled	Square	3.55
0302583	4" x 1/2" - Alm Med	Oil Filled	Square	3.81
0302584	4" x 1/2" - Alm Fine	Oil Filled	Square	3.95

Triangular

Part No.	Size	Type	Style	Price /Ea
0302585	4" x 3/8" - AlmFine	Oil Filled	Triangular	\$5.01
0302586	4" x 1/2" - AlmMed	Oil Filled	Triangular	5.13
0302587	4" x 1/2" - AlmFine	Oil Filled	Triangular	5.26

Knife Blades

Knife Blades are primarily used to sharpen both the edges and the points of cutting tools. The long, thin edge also makes a knife blade the preferred choice for deburring the edges of tightly spaced groove fittings.

Part No.	Size	Type	Style	Price /Ea
0302591	4" x 1" x 1/8"	Oil Filled	Knife Blades	\$6.36

Machine Knife Stone

The Machine Knife Stone is a fast cutting silicon carbide combination stone with a finger protection groove that enables the craftsman to safely resharpen machine mounted knives. It is also frequently used by metal workers to clean and re-flatten their tables.

Part No.	Size	Type	Price /Ea
0302596	4" dia x 1.5" Thick	Machine Knife Stone	\$17.04

Green Silicon Carbide Slips

Carbide Tool Slips typically used to maintain the edges of carbide tools.

Part No.	Size	Type	Price /Ea
0302597	Set of 3 Slips	Carbide Tool Slips	\$8.93

Silicon Carbide Fluted Hand Rubbing Brick With Handle

Part No.	Size	Type	Price /Ea
0302592	6" x 3" x 1"	Silicon Carbide	\$12.81

Boron Carbide Dressing Stick

Part No.	Size	Type	Price /Ea
0302593	3/16" x 1/2" x 3"	Boron Carbide	\$41.47

Vitrified Silicon Carbide Dressing Stick

Part No.	Size	Type	Price /Ea
0302594	1" x 1" x 6"	Vitrified Silicon Carbide	\$4.13

Vitrified Silicon Carbide Truing Stick

Part No.	Size	Type	Price /Ea
0302595	6" x 1/2"	Truing Stick	\$3.36

Smith Sharpening Tools and Accessories

Smith's

Block Mounted Stone

This 100% natural Arkansas stone is excellent for sharpening large knives and tools.

Includes:

- 6" medium Arkansas stone
- Base



Part No.	Price /EA
0802652	\$12.99

Tri-Hone Sharpening System

This system features a 6" medium Arkansas stone, 6" fine Arkansas stone and 6" coarse synthetic stone. These are mounted on a molded plastic triangle with handles on the end for easy rotation. (honing solution included)



Part No.	Price /EA
0802655	\$29.99

Knife & Scissors Sharpener

Has reversible and replaceable cutting heads.

Part No.	Price /EA
0802671	\$7.99

Jiff "V" Knife & Scissors Sharpener

This sharpener is sold individually. It sharpens your scissors and knives with just three or four strokes.



Part No.	Price
0802657	\$7.99

All stones are 4" x 1" x 1/4"

0802668 Includes

- Premium Honing Solution
 - Fabric Storage Pouch
 - Knife Vice Clamp
 - Individual Stone Bars (4)
 - Individual Guide Rods (4)
 - Diamond Pocket Sharpener
- 0802668 Stone Grade
- (Orange) Fine Diamond
 - (Yellow) Coarse Diamond
 - (Red) Fine Arkansas
 - (Blue) Medium Arkansas
 - Pocket Diamond Retractable Sharpener

0802669 Includes

- Premium Honing Solution
 - Fabric Storage Pouch
 - Knife Vice Clamp
 - Multi-Angle Folding Rod Guides
 - Individual Stone Bars (3)
 - Individual Guide Rods (3)
- 0802669 Stone Grade
- (Orange) Fine Diamond
 - (Yellow) Coarse Diamond
 - (Blue) Medium Arkansas



Part No.	Price /EA
0802668	\$64.99
0802669	40.99

3-IN-1 Sharpening System

Includes:

- Carbide cutting heads
- Fine surface diamond stone
- Ceramic rods
- Hand guard
- Rod storage
- Non-slip rubber feet
- Hook sharpening groove



Part No.	Price /EA
0802658	\$23.99

Pocket Stones

This medium Arkansas pocket stone is perfect for sharpening any knife large or small tool.

Includes:

- 4" medium stone
- Fabric pouch that features a belt loop



Part No.	Price /EA
0802653	\$6.49

SHARPENING STONES, SMITH SHARPENING TOOLS

Smith Sharpening Tools and Accessories Cont.

Smith's

Diamond Sharpening Steel

Unique interrupted surface diamond coated steel rod with a soft grip rubber handle. It also has a protective sharpening tip and a hang-up ring. This product hones and re-aligns your edge at the same time.



Part No.	Price /EA
0802673	\$31.49

2-Stone Sharpening Kit

This kit includes a 5" medium stone to set the edge on your tool, a 4" fine Arkansas stone to polish the edge and honing solution.



Part No.	Price /EA
0802654	\$16.99

4" Combination Stone

This combination stone comes with both interrupted surfaces coarse and fine diamond grade stones. This hand-held model has a soft rubber handle and thumb guard. Includes "Micro Tool sharpening Pad" and hook sharpening groove on both stones.



Part No.	Price /EA
0802666	\$22.99

X2-1/2" Combination Stone

This combination stone has non-slip rubber feet that come with both coarse and fine diamond grade stones. Includes "Micro Tool sharpening Pad" and hook sharpening groove on both stones.



Part No.	Price /EA
0802665	\$64.99

Diamond Bench Stones

The unique interrupted surfacediamond bench stone offers the ultimate in sharpening technology. Available in two diamond grits: coarse 325 grit and fine 750 grit. Includes "Micro Tool Sharpening Pad" for small pointed and edged tools..



Part No.	Description	Price /EA
0802663	11" x 2.5" Fine Diamond	\$64.99
0802664	11" x 2.5" Coarse Diamond	64.99
0802661	6" x 2.5" Fine Diamond	31.49
0802662	6" x 2.5" Coarse Diamond	31.49

2-Step Knife Sharpener

The carbide quickly sets the edge, and the ceramic finishes the edge. It's easy, quick and conveniently one tool.



Part No.	Price /EA
0802659	\$3.99

Deluxe Sharpener

This sharpener has ceramic rods to sharpen scissors and both carbide and ceramic blades to sharpen knives. Also features a flip-down table guard and weights and measures chart on the back for quick reference.



Part No.	Price /EA
0802672	\$11.99

Diamond Retractable Knife & Tool Sharpener

This diamond retractable features an unbreakable diamond coated rod. The rod is reversible and includes both a tapered end and a round end that features a flat file side. It also has a sharpening groove for hooks. This unit is light, compact and durable.



Part No.	Price /EA
0802667	\$8.49

Honing Solution

This 7 oz. bottle of Smith's specialty formulated honing solution is non-petroleum based and has stone cleaning agents along with rust/corrosion inhibitors.



Part No.	Price /EA
0802670	\$4.49

Sharpening Stones & Sharpening Tools

DEE-BLAST BLASTING EQUIPMENT, MARCO BLASTING EQUIPMENT

Abrasive Blasting Equipment

Dee-Blast Blasting Equipment



DB350 Aspirator Kit

The Industrial duty sandblast gun is the heart of the sandblasting system. Operation is simple. Just place the steel pickup tube into a bucket of abrasive and begin blasting.

The 350 is designed to clean everything from lawn furniture to auto fenders. It works much faster than wire brushing and easily gets into corners and cracks.



Part No.	Model No.	Price /Each
0850100	DB350	\$72.05

PB1 Portable Abrasives Blaster

The PB1 is ideally suited for small abrasive blasting jobs. Simply fill with abrasive, attach to your air supply hose, and begin blasting. Removes paint and rust from metal surfaces and cleans irregular surfaces that are difficult to clean with wire brushes or sandpaper.



Part No.	Model No.	Price /Each
0850101	PB1	\$60.77

Portable Blaster DB 130C

The 130C holds up to 65 pounds of media and comes with a 10 ft delivery hose for hard to reach spots. Ideal for outdoor use.



Part No.	Model No.	Price /Each
0850102	DB130C	\$164.75

DB01000/2500 Portable Blasting Units

All model 1000 and 2500 blast systems are designed to make the most efficient use of your compressed air and abrasive supply. These are pressurized systems. The tank is filled with air and blast media under pressure. When the valve is opened, the media/air mixture is released under tremendous pressure. This operation quickly removes rust, paint, scale and other coatings. Pressure blasters are 5 times faster than siphon fed machines. RC models are remote-controlled units, designed to help meet OSHA standards at sandblasting sites. Four models available, all ASME coded tanks.



Part No.	Model No.	Price /Each
0850103	DB01000	\$925.97

DB0428 Portable Blasting Unit

Now operators can effectively blast away rust, dirt, and old paint indoors for those parts too large for a blast cabinet. All action takes place within the blast head. The operator simply presses the blast head to the part needing cleaning and squeezes the trigger. The vacuum system consumes debris from blasting and recycles the abrasive being used.



Part No.	Model No.	Price /Each
0850107	DBO428	\$1234.97

Model 100 Abrasive Blasting Gun

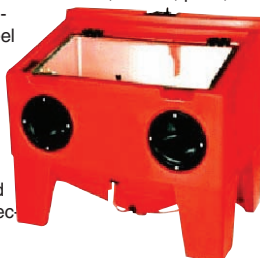
The 100 Gun is engineered to provide the best mix of abrasive and air for fast cleaning action with minimum nozzle wear. Can be used in most blast cabinets. Best suction blast gun made. Available with hardened steel, ceramic, and tungsten carbide nozzles in 12 and 18 CFM sizes.



Part No.	Model No.	Price /Each
0850108	100 GUN 5/16"	\$59.69

DBC3020 Abrasive Blasting Cabinet

The DBC3020 is a versatile, inexpensive cabinet blasting system. Removes rust, carbon, paint, and oxidation from aluminum, brass, steel and wrought iron. It can also be used to frost glass and texture wood. Bench top model. Also available with attached 100 cfm dust collection system.



Part No.	Model No.	Price /Each
0850115	DBC3020	\$410.97

C3624 Abrasive Blasting Cabinet with Dust Collector

The C3624 Blasting Cabinet is a stand alone floor model with built in features including a flip top lid for easy loading, foot pedal control a 100 CFM cartridge filter dust collection system. Larger sizes available.



Part No.	Model No.	Price /Each
0850116	C3624 W/DUST COL	\$1005.03

C3624P Abrasive Blasting Cabinet

In addition to the same great features of the C3624, this unit features a side-mounted pressure vessel for a blast system and a 100 CFM cartridge filter dust collector. Larger pressure blast cabinets available.



Part No.	Model No.	Price /Each
0850117	C3624P	\$1852.97

Marco Blasting Equipment



experience, trust, service

1600 Series Suction Gun

The lightweight aluminum body of the 1600 Series Suction Gun is suited for your shop and other field locations. A low volume of air and a working pressure of 60-100 psi creates a siphon action that draws abrasive from a non-pressurized container.



1600 Features

- Pistol-grip design for a comfortable grip range of -20° F to 190° F
- 5/64" & 1/8" air jets allow for project versatility

Part No.	0801126
Price/Ea	\$19.43

Marco Blasting Equipment Cont.



experience, trust, service

0.15 cu/ft Professional Series w/1600 Series Suction Gun & 10 ft. Blast Hose Includes:

- Marco 0.15 cu/ft Professional Series Blast Machine
- 1600 Series suction gun with 1/4" nozzle
- 10ft. of 3/8" I.D. blast hose with fittings installed
- Blast Machine Features**
- Heavy-duty, 1/8" steel construction flow
- 6" diameter opening allows for easy filling
- 125 psi operating pressure
- 1/2" O.D. solid metal legs



Part No.	0800228
Price/Ea	\$167.88:

1.1 cu/ft Professional Series w/KwikFire 154, Ceramic Nozzle, & 10 ft. Blast Hose Includes:

- Marco 1.1 cu/ft Professional Blast Machine
- KwikFire 154 Shut-off control
- Type 2 ceramic nozzle
- 10ft. of 3/8" I.D. blast hose with fitting installed
- Blast Machine Features**
- Full flow ball valve to meter abrasive flow
- Concave head for ease of filling
- Triangle shaped handle for easy pressurization
- ASME code pressure vessel
- 125 psi operating pressure
- 7.5" diameter wheels for increased mobility
- Assembly Required



Part No.	0800229
Price/Ea	\$529.00:

2.0 cu/ft Industrial Series Blast Machine

The NEW Marco 2.0 cu/ft Industrial Series Blast Machine offers a working pressure of 125 psi, allowing this machine to handle a wide variety of jobs. We've designed this machine with mobility, durability and simplicity in mind. The pressure-hold configuration combined with the KwikFire 153 Shut-off control, allows abrasives to flow smoothly through the system. The Bantam Metering Valve will manage the flow of most any abrasive.



Features:

- Includes: 25ft. of 1/2" I.D. blast hose
- Offers a 1" pusher line for increased productivity
- 1-1/2" diameter opening allows for easy filling of abrasives
- Durable powder-coated finish offers protection in harsh environments

Part No.	0801119
Price/Ea	\$1784.12

1.5 cu/ft Blast Machine with 2-Hole Jr. Mixing Valve & 25ft of 1/2" ID Coupled Hose

Touch-ups or complete job requirement, the 1.5 cu/ft Blast Machine is up for the task. With a moisture separator as part of the piping, you can count on dryer abrasive to reduce your downtime. Flexible pneumatic tires and a tilt-and-go handle make this machine highly mobile. Included is the KwikFire 153 shut off control, built in nozzle holder and proven 2-Hole Jr. Integrator Mixing Valve.



Marco 1.5 cu/ft Blast Machine

- Durable powder-coated finish
- Compact portable design
- Concave head for ease of filling
- Triangle shaped handle for easy pressurization
- Moisture separator
- ASME code pressure vessel
- Pressure gauge
- 125 psi operating pressure
- Stable tripod design
- Pneumatic tires & tilt-and-go handle for increased mobility
- 2-Hole Jr. Integrator Mixing Valve
- Cast iron abrasive mixing valve for durability & long life
- 25 ft. of 1/2" I.D. Coupled Blast Hose
- KwikFire 153 Shut-off Control
- Blast Hose
- Weight: 130 lbs.
- 14"W x 23"L x 33"

Part No.	0801118
Price/Ea	\$1365.00

3.0 cu/ft w/Tandem, Pneumatic Control Switch, 1-1/2" Bantam & Muffler

The pneumatic control switch communicates with the efficient two-in-one Tandem Valve. The Tandem valve is a pressure release valve controlling the pressurization and depressurization of the vessel. This starts the abrasive flowing through the small, yet durable Bantam Metering Valve. The precise components in the Bantam Metering Valve can handle the finest grain abrasive to the coarsest steel grit, to provide a smooth transition to the blast hose.



Marco 3.0 cu/ft Blast Machine

- Durable powder-coated finish
- ASME code pressure vessel
- 4" fill port for easy loading of abrasive
- Heavy duty handle for moving ease
- 1-1/2" I.D. pusher line
- Lifting eyes
- Durable 16" tires & rim set
- Large footprint for increased stability
- Tandem Air Valve - w/ 50ft of 3/16" I.D. Twinline with 1/4" and 1/8" ends
- Pneumatic Control Switch
- 1-1/2" Bantam Metering Valve
- Muffler - easy to clean out & repair

Part No.	0801120
Price/Ea	\$2483.29

6.0 cu/ft w/Tandem, Pneumatic Control Switch, 1-1/2" Bantam, & Muffler

The pneumatic control switch communicates with the efficient two-in-one Tandem Valve. The Tandem valve is a pressure release valve controlling the pressurization and depressurization of the vessel. This starts the abrasive flowing through the small, yet durable Bantam Metering Valve. The precise components in the Bantam Metering Valve can handle the finest grain abrasive to the coarsest steel grit, to provide a smooth transition to the blast hose.

Marco 6.0 cu/ft Blast Machine

- Durable powder-coated finish
- ASME code pressure vessel
- 4" fill port for easy loading of abrasive
- Heavy duty handle for moving ease
- 1-1/2" I.D. pusher line
- Lifting eyes
- Durable 16" tires & rim set
- Large footprint for increased stability
- Tandem Air Valve - w/50ft of 3/16" I.D. Twinline with 1/4" and 1/8" ends
- Pneumatic Control Switch
- 1-1/2" Bantam Metering Valve
- Muffler - easy to clean out & repair
- 31"W x 35"L x 54"H
- Weight: 460 lbs



Part No.	0801121
Price/Ea	\$2483.29

BLASTING NOZZLES, BLASTING MEDIA

Abrasive Blasting Equipment

Marco Blasting Equipment Cont.



experience, trust, service

3 Cubic Ft. Abrasive Blast Machine Package

To simplify your purchasing decision, Marco offers blast machine packages. Multiple types of packages are available for each size of blast machine, allowing you to order what you need with one part number.

- Package Includes:
- 3.0 cu/ft Marco Blast Machine w/ Remote Control System
 - 50ft. section of 1" I.D. blast hose with 10NHN250 & 10QNY2 couplings installed
 - 10SN4UN Blaze nozzle
 - Extractor moisture separator w/necessary fittings
 - 4-lug female coupling, 1-1/2" NPT



Part No.	0801122
Price/Pkg	\$3341.79

3 Cubic Ft. Abrasive Blast Machine Package with Hood Setup

To simplify your purchasing decision, Marco offers blast machine packages. Multiple types of packages are available for each size of blast machine, allowing you to order what you need with one part number.

- Package Includes:
- 3.0 cu/ft Marco Blast Machine w/ Remote Control System
 - 50ft. section of 1" I.D. blast hose with 10NHN250 & 10QNY2 couplings installed
 - 10SN4UN Blaze nozzle
 - Bullard 88VX Blast Hood with 28" cape, breathing tube, F30 and belt
 - Quick connect fitting
 - Marco 286 - 2-Outlet airline filter
 - 50ft. x 3/8" breathing extension hose
 - Extractor moisture separator w/necessary fittings
 - 4-lug female coupling, 1-1/2" NPT 10ME4



Part No.	0801123
Price/Pkg	\$4404.92

6 Cubic Ft. Abrasive Blast Machine Package

To simplify your purchasing decision, Marco offers blast machine packages. Multiple types of packages are available for each size of blast machine, allowing you to order what you need with one part number.

- Package Includes:
- 6.0 cu/ft Marco Blast Machine w/KwikFire 125 Remote Control System
 - 50ft. section of SuperFlex blast hose with 10NH250 & 10QNY couplings installed
 - 10SN550UN Blaze nozzle
 - Extractor moisture separator w/necessary fittings
 - 4-lug female coupling, 1-1/2" NPT



Part No.	0801124
Price/Pkg	\$3680.93

6 Cubic Ft. Abrasive Blast Package with Hood Setup

To simplify your purchasing decision, Marco offers blast machine packages. Multiple types of packages are available for each size of blast machine, allowing you to order what you need with one part number.

- Package Includes:
- 6.0 cu/ft Marco Blast Machine w/KwikFire 125 Remote Control System
 - 50ft. section of SuperFlex blast hose with 10NHN250 & 10QNY couplings installed
 - 10SN550UN Blaze nozzle
 - Bullard 88VX Blast Hood with 28" cape, breathing tube, F30 and belt
 - Quick connect fitting
 - Marco 286-2-Outlet airline filter
 - 50ft. x 3/8" breathing extension hose
 - Extractor moisture separator w/necessary fittings
 - 4-lug female coupling, 1-1/2"NPT 10ME4



Part No.	0801125
Price/Pkg	\$4738.62

Blasting Nozzles



Tungsten Carbide Brass Jacketed Nozzle Duragrip Sleeve Long Venturi with Fine Thread 1-1/4"-11-1/2 NPSM



Part No.	Vendor No.	Length	Inlet	Bore Dia.	Price /Ea
0800875	UDLB-7	7-3/4"	1"	7/16"	\$150.16
0800876	UDLB-8	9"	1"	1/2"	174.90

Tungsten Carbide with Plastic (Acetal) Jacket & Threads Long Venturi with Fine Thread 1-1/4"-11-1/2 NPSM



Part No.	Vendor No.	Length	Inlet	Bore Dia.	Price /Ea
0800901	UDC-4AC	5-1/4"	1"	1/4"	\$89.10
0800902	UDC-5AC	5-3/4"	1"	5/16"	99.00
0800903	UDC-6AC	6-3/4"	1"	3/8"	110.00
0800904	UDC-7AC	7-3/4"	1"	7/16"	136.40

Tungsten Carbide Long Venturi Nozzle Plastic (Acetal) Jacket Fine Brass Threads 1-1/4"-11-1/2 NPSM



Part No.	Vendor No.	Length	Inlet	Bore Dia.	Price /Ea
0800892	UDLB-6BA	6-3/4"	1"	3/8"	\$115.50
0800893	UDLB-7BA	7-3/4"	1"	7/16"	143.00

Silicone Carbide Long Venturi Nozzle Plastic (Acetal) Jacket, Fine Brass Threads 1-1/4"-11-1/2 NPSM



Part No.	Vendor No.	Length	Inlet	Bore Dia.	Price /Ea
0800897	SCA-6F	6-3/4"	1"	3/8"	\$127.06

Blasting Nozzles Cont.

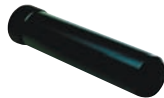


Double Venturi Tungsten Carbide Nozzle with Steel Jacket - Aluminum Threads Fine Thread 1-1/4"-11-1/2 NPSM



Part No.	Vendor No.	Length	Inlet	Bore Dia.	Price /Ea
0800928	UDV-5	6-1/2"	1"	5/16"	\$184.80
0800929	UDV-6	7"	1"	3/8"	200.98
0800930	UDV-7	8-1/2"	1"	7/16"	219.46

Silicone Carbide with Plastic Jacket Threads Long Venturi, Fine Threads 1-1/4"-11-1/2 NPSM



Part No.	Vendor No.	Length	Inlet	Bore Dia.	Price /Ea
0800907	SCA-5FN	6"	1"	5/16"	\$110.00
0800908	SCA-6FN	6-3/4"	1"	3/8"	121.00
0800909	SCA-7FN	8"	1"	7/16"	143.00

Tungsten Carbide Nozzle Black Acetal Jacket Short Venturi with Fine Thread 1-1/4"-11-1/2 NPSM



Part No.	Vendor No.	Length	Inlet	Bore Dia.	Price /Ea
0800917	UDSV-4	3-1/4"	1"	1/4"	\$80.30
0800918	UDSV-5	3-1/4"	1"	5/16"	80.30
0800919	UDSV-6	3-1/4"	1"	3/8"	80.30

Tungsten Carbide Nozzle Aluminum Jacket/Light Duty Light Duty Nozzle, Fine Thread 3/4"-14 NPSM



Part No.	Vendor No.	Length	Inlet	Bore Dia.	Price /Ea
0800933	UT-3	1-3/4"	1/2"	3/16"	\$35.20
0800934	UT-4	1-3/4"	1/2"	1/4"	35.20
0800935	UT-5	1-3/4"	1/2"	5/16"	35.20
0800936	UT-6	1-3/4"	1/2"	3/8"	35.20

Boron Carbide Straight Bore Insert for Suction Style Cleaning Guns 7/8" (22.2mm) O.D. Insert



Part No.	Vendor No.	Length	Bore Dia.	Price /Ea
0800958	BCI-5	1-13/32"	5/16"	\$52.80

Tungsten Carbide Straight Bore Insert for Suction Style Cleaning Guns 7/8" (22.2mm) O.D. Insert



Part No.	Vendor No.	Length	Bore Dia.	Price /Ea
0800962	TCI-5	1-13/32"	5/16"	\$24.20

Tungsten Carbide Nozzle with Brass Jacket and Threads 45° Angle Nozzles, Fine Thread 1-1/4"-11-1/2 NPSM



Part No.	Vendor No.	Length	Bore Dia.	Price /Ea
Angle Nozzles Single Outlet				
0800941	UAM-5X1	3"	5/16"	187.00
0800942	UAM-6X1	3"	3/8"	187.00

Blasting Media



Glass Beads

Glass beads are the most popular air blasting media for cleaning and conditioning surfaces. The unique characteristic of glass sphere blasting is that surfaces are cleaned and deburred without the removal of basic surface material. Glass beads are environmentally safe and cause no toxic or erosive hazards. Product shipped in plastic pails. Other popular abrasives available, black beauty, walnut shells, plastic abrasives, and steel grit.

Part No.	Grit	Price /Each
0850109	400 BAG 40-60	\$39.13
0850110	401 BAG 60-100	36.04
0850111	402 BAG 100-200	38.06
0850112	403 BAG 170-325	38.06



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Size 8 Glass Bead

Glass beads will clean metal parts without damaging the surface. This abrasive is also ideal for de-scaling, deburring and providing a smooth or matte finish on metal surfaces as well as rubber and plastic



Features:

- Round abrasive
- Recyclable
- Environmentally friendly and clean abrasive
- Low breakdown rate
- Meets military specifications

Applications:

- Cleaning: automotive parts, castings, engine rebuilds. Used in blast cabinets.
- Finishing: blends surface defects, removes defects from molded parts, provides a satin to matte finish on aluminum castings, cookware, stainless steel parts, medical equipment, etc.
- Deburring: removes rough edges from castings, gears, machine parts, etc.
- Peening: springs, crankshafts, gears and more
- Also available in alternative packaging

Part No.	0801194
Price/Ea	\$39.12



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Virgin Aluminum Oxide

Marco's virgin brown aluminum oxide blasting abrasive is high in quality, tough and long lasting. This may be the finest abrasive blast medium available for use in cabinets, blastrooms and any other application where a recyclable media can be used. Our virgin aluminum oxide blasting abrasive is also available in compound manufacturing and resin grinding wheels.



Virgin Aluminum Oxide is available in the following sizes: 16, 20, 24, 30, 36, 46, 54, 60, 80, 100, 120, 150, 180, 220, 240, 320

- Also available in alternative packaging
- Other sizes available.

Part No.	Grit	0801193
Price/Ea	80	\$42.56



Aluminum Oxide

A tough, aggressive, abrasive used for fast removal of heavy oxidation, burrs, etc. Excellent for preparing surfaces to be coated.



Part No.	Grit	Price /Each
0850113	405 BAG AL. OXIDE	\$50.47
0850114	446 BAG AL. OXIDE	54.54

BLASTING MEDIA

Blasting Media



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Starblast

DuPont® Starblast® is a sub-angular, general purpose abrasive used in bridge maintenance and steel fabrication to remove rust, mill scale and weathered coatings. Starblast is comprised of the naturally occurring mineral, Staurolite, which has a hardness of 7 Mohs and a bulk density of 130lbs/cu.ft. These attributes provide a low dust blasting environment and more efficient cleaning.



Starblast offers product advantages, such as:

- Greater blasting visibility due to considerably less dust generation
- Lower labor costs through faster, more efficient cleaning
- Less material costs due to reusability
More uniform blasting pattern
- Guaranteed to contain <5% free silica, typically <3%
- Rounded to sub-angular grains result in less abrasive embedment
- Less material costs due to reusability
- Rounded to sub-angular grains result in less abrasive embedment
- Electrically nonconductive
- California Air Resources Board Certified
- Also available in alternative packaging

Part No.	0801192
Price/Ea	\$20.67

Coal Slag-3060

Marco's coal slag will blast off the toughest coatings so you can prepare surfaces right the first time. Achieve the consistent, high quality performance that you demand in a coal slag abrasive. Marco coal slag provides the foundation for coatings that last.



Marco's coal slag is a tough, clean and economical abrasive with less than 1% free silica. It's unique, angular shape and hardness quickly cut away existing coatings. Use coal slag on buildings, tanks, castings, ships, bridges, railroad equipment, structural steel, exposed aggregate and more.

Features:

- Economical
- Less than 1% free silica
- Does not react with coatings
- Works in your existing equipment (no conversion needed)
- Reduces coating failure
- Does not attract moisture
- Allows fast and easy clean up
- Angular shape to cut through coatings
- Prevent dust suppressant available from most locations
- Also available in alternative packaging

Part No.	0801191
Price/Ea	\$18.51

Walnut Shell-2030

Walnut shell has a wide variety of uses. It is commonly used to polish and clean soft metals, fiberglass, wood and stone. Use black walnut shell to achieve an excellent finish without scratching or pitting the surface. Because of its resistance to breakdown, walnut shell can be recycled to help reduce costs.



Features:

- Hard, organic abrasive
- Environmentally friendly
- Recyclable
- Excellent durability
- Cleans without scratching or pitting
- Low dusting

Typical Applications for Walnut Shell:

- Stripping auto and truck panels
- Cleaning soft metals, fiberglass, plastics, wood and stone
- Deburring moldings, castings, electrical parts
- Paint removal and graffiti removal
- General cleaning in building restoration

Part No.	0801195
Price/Ea	\$26.30

BLACKSTONE™



Blackstone uses modern technology coupled with the maximum quality components to provide rugged, dependable, and hard-wearing products to meet the demands of the professional job.

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