



FLAP DISCS FOR STAINLESS STEEL, METAL, & NICKEL ALLOYS

PROFESSIONAL SERIES - CERAMIC ALUMINA W/ GRINDING AID & SELF-SHARPENING ACTION



PROFESSIONAL SERIES FLAP DISCS

Our flap discs are versatile grinding and finishing tools, consisting of three main components: a backing plate, adhesive, and abrasive cloth flaps. The rectangular flaps are overlapped and glued to the backing plate. Flap discs are designed for right angle grinder applications ranging from heavy stock removal to surface blending.

CERAMIC W/ GRINDING AID & SELF-SHARPENING ACTION

Ceramic flap discs run cooler than other abrasive grains because of their added grinding aid. While dissipating heat, it helps keep the disc cool, which prolongs the lifespan. On difficult to grind materials, ceramic grain should be the first choice as they are optimal for aggressive material removal. Ceramic flap discs have self sharpening grains which result in a consistent finish and provide steady, consistent sharp edges throughout the life of the disc. They run cooler than zirconia and aluminum oxide flap discs and reduce heat build up.

CONFIGURATIONS

SIZE RANGE 4"; 4-1/2"; 5"; 6"; 7"

GRIT RANGE 24; 36; 40; 50; 60; 80; 100; 120

ABRASIVE GRAIN Ceramic Alumina

ATTACHMENT Arbor Hole; Threaded Hub

DISC SHAPE Type 27; Type 29

FLAP DENSITY Standard; High

BACKING MATERIAL Fiberglass; Plastic

MACHINE Angle Grinder

FEATURES & BENEFITS

- Self-sharpening grains, aggressive cutting on hard-to-grind materials.
- Long lasting, polyester abrasive backing designed to last 50% - 200% longer.
- Durable fiberglass backing plate gives high-strength and absorbs vibration.
- Contaminant-free, Iron Sulfur and Chlorine less than .1%, won't rust stainless steel.
- Grinding aid, improves life and provides a cool, noticeably faster cut rate.
- Maintains an exceptional performance on tough materials over entire life of disc.
- Reduces work hardening on heat-sensitive materials.

ADDITIONAL PRODUCTS



FLAP DISCS VS. GRINDING WHEELS & RESIN FIBER DISCS

Flap discs remove material at the speed of depressed center grinding wheels, while creating a better finish and safer working environment. They perform better than the competition by packing 25% to 50% more abrasive on each snippet.

FLAP DISCS VS. GRINDING WHEELS

LONGEVITY: The additional abrasive material allows for greater contact and faster material removal from a constant cut-rate.

CONSISTENCY: Flap discs don't gouge like grinding wheels can. They create an easy control finish by constantly exposing new abrasive.

QUALITY: Compared to Grinding Wheels, Flap Discs have faster stock removal, are easier to control, are quieter and have less vibration. Their exceptionally cool cutting permits contouring and avoids burning the workpiece by overheating.



FLAP DISCS VS. RESIN FIBER

LONGEVITY: Flap discs have up to 350% more abrasive surface area than sanding discs and last up to 30 time longer due to their overlapping flap design construction.

FINISH: Wearing evenly across the abrasive material, flap discs self-sharpen and produce an even finish from the beginning to the end of their use.

PERFORMANCE: Flap Discs have fewer changeouts, have a more consistent finish and reduced loading.



FLAP DISCS FOR STAINLESS STEEL, METAL, & NICKEL ALLOYS



PROFESSIONAL SERIES - CERAMIC ALUMINA W/ GRINDING AID & SELF-SHARPENING ACTION

ABRASIVE GRAIN



AVAILABLE SHAPES



AVAILABLE DENSITIES



ATTACHMENT TYPES



PERFORMANCE



MACHINE TYPE



PROFESSIONAL SERIES - ARBOR HOLE, CERAMIC ALUMINA, STANDARD & HIGH DENSITY, TYPE 27 & TYPE 29								
★ AMERICAN INNOVATION ★			STANDARD DENSITY			HIGH DENSITY		
SIZE	GRIT	STOCK STATUS	T27 PT#	T29 PT#	MSRP	T27 PT#	T29 PT#	MSRP
4 x 5/8"	24	Make	11000	11300	\$5.90	11010	11310	\$7.00
	36	Make	11001	11301	\$5.60	11011	11311	\$6.70
	40	Make	11002	11302	\$5.39	11012	11312	\$6.50
	50	Make	11003	11303	\$5.40	11013	11313	\$6.50
	60	Make	11004	11304	\$4.50	11014	11314	\$5.40
	80	Make	11005	11305	\$4.50	11015	11315	\$5.40
	100	Make	11006	11306	\$4.50	11016	11316	\$5.40
	120	Make	11007	11307	\$4.50	11017	11317	\$5.40
4.5 x 7/8"	24	Make	11020	11320	\$6.37	11030	11330	\$8.00
	36	Stock	11021	11321	\$6.07	11031	11331	\$7.70
	40	Stock	11022	11322	\$5.87	11032	11332	\$7.50
	50	Make	11023	11323	\$5.88	11033	11333	\$7.50
	60	Stock	11024	11324	\$4.90	11034	11334	\$6.37
	80	Stock	11025	11325	\$4.90	11035	11335	\$6.37
	100	Make	11026	11326	\$4.90	11036	11336	\$6.37
	120	Stock	11027	11327	\$4.90	11037	11337	\$6.37
5 x 7/8"	24	Make	11040	11340	\$7.03	11050	11350	\$8.82
	36	Stock	11041	11341	\$6.73	11051	11351	\$8.52
	40	Stock	11042	11342	\$6.53	11052	11352	\$8.32
	50	Make	11043	11343	\$6.53	11053	11353	\$8.32
	60	Stock	11044	11344	\$5.55	11054	11354	\$7.02
	80	Stock	11045	11345	\$5.55	11055	11355	\$7.02
	100	Make	11046	11346	\$5.55	11056	11356	\$7.02
	120	Stock	11047	11347	\$5.55	11057	11357	\$7.02
6 x 7/8"	24	Make	11060	11360	\$8.33	11070	11370	\$10.48
	36	Stock	11061	11361	\$8.03	11071	11371	\$10.18
	40	Stock	11062	11362	\$7.83	11072	11372	\$9.98
	50	Make	11063	11363	\$7.83	11073	11373	\$9.98
	60	Stock	11064	11364	\$6.68	11074	11374	\$8.48
	80	Stock	11065	11365	\$6.68	11075	11375	\$8.48
	100	Make	11066	11366	\$6.68	11076	11376	\$8.48
	120	Stock	11067	11367	\$6.68	11077	11377	\$8.48
7 x 7/8"	24	Make	11080	11380	\$14.40	11090	11390	\$17.76
	36	Stock	11081	11381	\$13.60	11091	11391	\$16.96
	40	Stock	11082	11382	\$12.90	11092	11392	\$16.26
	50	Make	11083	11383	\$12.90	11093	11393	\$16.26
	60	Stock	11084	11384	\$10.93	11094	11394	\$13.82
	80	Stock	11085	11385	\$10.93	11095	11395	\$13.82
	100	Make	11086	11386	\$10.93	11096	11396	\$13.82
	120	Stock	11087	11387	\$10.93	11097	11397	\$13.82

PROFESSIONAL SERIES - THREADED HUB, CERAMIC ALUMINA, STANDARD & HIGH DENSITY, TYPE 27 & TYPE 29								
★ AMERICAN INNOVATION ★			STANDARD DENSITY			HIGH DENSITY		
SIZE	GRIT	STOCK STATUS	T27 PT#	T29 PT#	MSRP	T27 PT#	T29 PT#	MSRP
4 x 3/8"-24	24	Make	11100	11400	\$7.10	11110	11410	\$8.20
	36	Make	11101	11401	\$6.80	11111	11411	\$7.90
	40	Make	11102	11402	\$6.59	11112	11412	\$7.70
	50	Make	11103	11403	\$6.60	11113	11413	\$7.70
	60	Make	11104	11404	\$5.70	11114	11414	\$6.60
	80	Make	11105	11405	\$5.70	11115	11415	\$6.60
	100	Make	11106	11406	\$5.70	11116	11416	\$6.60
	120	Make	11107	11407	\$5.70	11117	11417	\$6.60
4.5 x 5/8"-11	24	Make	11120	11420	\$7.57	11130	11430	\$9.20
	36	Stock	11121	11421	\$7.27	11131	11431	\$8.90
	40	Stock	11122	11422	\$7.07	11132	11432	\$8.70
	50	Make	11123	11423	\$7.08	11133	11433	\$8.70
	60	Stock	11124	11424	\$6.10	11134	11434	\$7.57
	80	Stock	11125	11425	\$6.10	11135	11435	\$7.57
	100	Make	11126	11426	\$6.10	11136	11436	\$7.57
	120	Stock	11127	11427	\$6.10	11137	11437	\$7.57
5 x 5/8"-11	24	Make	11140	11440	\$8.23	11150	11450	\$10.02
	36	Stock	11141	11441	\$7.93	11151	11451	\$9.72
	40	Stock	11142	11442	\$7.73	11152	11452	\$9.52
	50	Make	11143	11443	\$7.73	11153	11453	\$9.52
	60	Stock	11144	11444	\$6.75	11154	11454	\$8.22
	80	Stock	11145	11445	\$6.75	11155	11455	\$8.22
	100	Make	11146	11446	\$6.75	11156	11456	\$8.22
	120	Stock	11147	11447	\$6.75	11157	11457	\$8.22
6 x 5/8"-11	24	Make	11160	11460	\$9.53	11170	11470	\$11.68
	36	Stock	11161	11461	\$9.23	11171	11471	\$11.38
	40	Stock	11162	11462	\$9.03	11172	11472	\$11.18
	50	Make	11163	11463	\$9.03	11173	11473	\$11.18
	60	Stock	11164	11464	\$7.88	11174	11474	\$9.68
	80	Stock	11165	11465	\$7.88	11175	11475	\$9.68
	100	Make	11166	11466	\$7.88	11176	11476	\$9.68
	120	Stock	11167	11467	\$7.88	11177	11477	\$9.68
7 x 5/8"-11	24	Make	11180	11480	\$16.00	11190	11490	\$19.36
	36	Stock	11181	11481	\$15.20	11191	11491	\$18.56
	40	Stock	11182	11482	\$14.50	11192	11492	\$17.86
	50	Make	11183	11483	\$14.50	11193	11493	\$17.86
	60	Stock	11184	11484	\$12.53	11194	11494	\$15.42
	80	Stock	11185	11485	\$12.53	11195	11495	\$15.42
	100	Make	11186	11486	\$12.53	11196	11496	\$15.42
	120	Stock	11187	11487	\$12.53	11197	11497	\$15.42



FLAP DISCS FOR METAL, STEEL & STAINLESS STEEL

PROFESSIONAL SERIES - ZIRCONIA ALUMINA W/ GRINDING AID & POLYCOTTON BACKING



PROFESSIONAL SERIES FLAP DISCS

Our flap discs are versatile grinding and finishing tools, consisting of three main components: a backing plate, adhesive, and abrasive cloth flaps. The rectangular flaps are overlapped and glued to the backing plate. Flap discs are designed for right angle grinder applications ranging from heavy stock removal to surface blending.

ZIRCONIA ALUMINA WITH GRINDING AID

Our zirconia flap discs are phenolic resin bonded to a reinforced fiberglass backing that wears with the abrasive flaps. Multiple layers of poly-cotton backed abrasives are stacked in 3-dimensional form, constantly exposing new sharp grains to the work surface. These discs have a high zirconia grain concentration with a specialty resin bond, which accounts for their superior performance. Our zirconia flap discs are manufactured with premium VSM materials. The material is superior for removal and longevity due to its uniform particle size, aggressive cut, density of grain structure and high strength backing.

CONFIGURATIONS

SIZE RANGE 4"; 4-1/2"; 5"; 6"; 7"

GRIT RANGE 24; 36; 40; 50; 60; 80; 100; 120

ABRASIVE GRAIN Zirconia Alumina w/ Grinding Aid

ATTACHMENT Arbor Hole; Threaded Hub

DISC SHAPE Type 27; Type 29

FLAP DENSITY Standard; High

BACKING MATERIAL Fiberglass; Plastic

MACHINE Angle Grinder

FEATURES & BENEFITS

- Designed for rapid stock removal on heavy duty applications.
- Contains added grinding aid for cooler cutting for a longer life for your disc.
- Self sharpening crystals leaving steady, consistent sharp edges.
- Contaminant-free, Iron Sulfur and Chlorine less than .1%, won't rust stainless steel.
- Holds up under high temperature and extreme pressures.
- Provides a good cut rate-to-cost ratio, giving an even better cost efficiency.
- Less pressure needed, still leaves a consistent finish with less operator fatigue.

ADDITIONAL PRODUCTS



FLAP DISCS VS. GRINDING WHEELS & RESIN FIBER DISCS

Flap discs remove material at the speed of depressed center grinding wheels, while creating a better finish and safer working environment. They perform better than the competition by packing 25% to 50% more abrasive on each snippet.

FLAP DISCS VS. GRINDING WHEELS

LONGEVITY: The additional abrasive material allows for greater contact and faster material removal from a constant cut-rate.

CONSISTENCY: Flap discs don't gouge like grinding wheels can. They create an easy control finish by constantly exposing new abrasive.

QUALITY: Compared to Grinding Wheels, Flap Discs have faster stock removal, are easier to control, are quieter and have less vibration. Their exceptionally cool cutting permits contouring and avoids burning the workpiece by overheating.



FLAP DISCS VS. RESIN FIBER

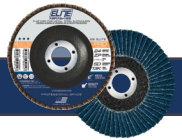
LONGEVITY: Flap discs have up to 350% more abrasive surface area than sanding discs and last up to 30 time longer due to their overlapping flap design construction.

FINISH: Wearing evenly across the abrasive material, flap discs self-sharpen and produce an even finish from the beginning to the end of their use.

PERFORMANCE: Flap Discs have fewer changeouts, have a more consistent finish and reduced loading.



FLAP DISCS FOR METAL, STEEL & STAINLESS STEEL



PROFESSIONAL SERIES - ZIRCONIA ALUMINA W/ GRINDING AID & POLYCOTTON BACKING

ABRASIVE GRAIN



AVAILABLE SHAPES



AVAILABLE DENSITIES



ATTACHMENT TYPES



PERFORMANCE



MACHINE TYPE



PROFESSIONAL SERIES - ARBOR HOLE, ZIRCONIA ALUMINA, STANDARD & HIGH DENSITY, TYPE 27 & TYPE 29								
★ AMERICAN INNOVATION ★			STANDARD DENSITY			HIGH DENSITY		
SIZE	GRIT	STOCK STATUS	T27 PT#	T29 PT#	MSRP	T27 PT#	T29 PT#	MSRP
4 x 5/8"	24	Make	10000	10300	\$3.80	10010	10310	\$4.82
	36	Stock	10001	10301	\$3.70	10011	10311	\$4.72
	40	Stock	10002	10302	\$3.59	10012	10312	\$4.62
	50	Make	10003	10303	\$3.59	10013	10313	\$4.62
	60	Stock	10004	10304	\$3.59	10014	10314	\$4.62
	80	Stock	10005	10305	\$3.59	10015	10315	\$4.62
	100	Make	10006	10306	\$3.59	10016	10316	\$4.62
	120	Stock	10007	10307	\$3.59	10017	10317	\$4.62
4.5 x 7/8"	24	Make	10020	10320	\$3.96	10030	10330	\$4.88
	36	Stock	10021	10321	\$3.86	10031	10331	\$4.78
	40	Stock	10022	10322	\$3.76	10032	10332	\$4.72
	50	Make	10023	10323	\$3.76	10033	10333	\$4.72
	60	Stock	10024	10324	\$3.76	10034	10334	\$4.72
	80	Stock	10025	10325	\$3.76	10035	10335	\$4.72
	100	Make	10026	10326	\$3.76	10036	10336	\$4.72
	120	Stock	10027	10327	\$3.76	10037	10337	\$4.72
5 x 7/8"	24	Make	10040	10340	\$4.44	10050	10350	\$5.52
	36	Stock	10041	10341	\$4.34	10051	10351	\$5.42
	40	Stock	10042	10342	\$4.24	10052	10352	\$5.31
	50	Make	10043	10343	\$4.24	10053	10353	\$5.31
	60	Stock	10044	10344	\$4.24	10054	10354	\$5.31
	80	Stock	10045	10345	\$4.24	10055	10355	\$5.31
	100	Make	10046	10346	\$4.24	10056	10356	\$5.31
	120	Stock	10047	10347	\$4.24	10057	10357	\$5.31
6 x 7/8"	24	Make	10060	10360	\$5.67	10070	10370	\$7.05
	36	Stock	10061	10361	\$5.57	10071	10371	\$6.95
	40	Stock	10062	10362	\$5.47	10072	10372	\$6.85
	50	Make	10063	10363	\$5.48	10073	10373	\$6.85
	60	Stock	10064	10364	\$5.48	10074	10374	\$6.85
	80	Stock	10065	10365	\$5.48	10075	10375	\$6.85
	100	Make	10066	10366	\$5.48	10076	10376	\$6.85
	120	Stock	10067	10367	\$5.48	10077	10377	\$6.85
7 x 7/8"	24	Make	10080	10380	\$8.21	10090	10390	\$10.24
	36	Stock	10081	10381	\$8.01	10091	10391	\$10.04
	40	Stock	10082	10382	\$7.81	10092	10392	\$9.84
	50	Make	10083	10383	\$7.81	10093	10393	\$9.84
	60	Stock	10084	10384	\$7.81	10094	10394	\$9.84
	80	Stock	10085	10385	\$7.81	10095	10395	\$9.84
	100	Make	10086	10386	\$7.81	10096	10396	\$9.84
	120	Stock	10087	10387	\$7.81	10097	10397	\$9.84

PROFESSIONAL SERIES - THREADED HUB, ZIRCONIA ALUMINA, STANDARD & HIGH DENSITY, TYPE 27 & TYPE 29								
★ AMERICAN INNOVATION ★			STANDARD DENSITY			HIGH DENSITY		
SIZE	GRIT	STOCK STATUS	T27 PT#	T29 PT#	MSRP	T27 PT#	T29 PT#	MSRP
4 x 3/8"-24	24	Make	10100	10400	\$5.00	10110	10410	\$6.02
	36	Make	10101	10401	\$4.90	10111	10411	\$5.92
	40	Make	10102	10402	\$4.79	10112	10412	\$5.82
	50	Make	10103	10403	\$4.79	10113	10413	\$5.82
	60	Make	10104	10404	\$4.79	10114	10414	\$5.82
	80	Make	10105	10405	\$4.79	10115	10415	\$5.82
	100	Make	10106	10406	\$4.79	10116	10416	\$5.82
	120	Make	10107	10407	\$4.79	10117	10417	\$5.82
4.5 x 5/8"-11	24	Stock	10120	10420	\$5.16	10130	10430	\$6.08
	36	Stock	10121	10421	\$5.06	10131	10431	\$5.98
	40	Stock	10122	10422	\$4.96	10132	10432	\$5.92
	50	Make	10123	10423	\$4.96	10133	10433	\$5.92
	60	Stock	10124	10424	\$4.96	10134	10434	\$5.92
	80	Stock	10125	10425	\$4.96	10135	10435	\$5.92
	100	Make	10126	10426	\$4.96	10136	10436	\$5.92
	120	Stock	10127	10427	\$4.96	10137	10437	\$5.92
5 x 5/8"-11	24	Stock	10140	10440	\$5.64	10150	10450	\$6.72
	36	Stock	10141	10441	\$5.54	10151	10451	\$6.62
	40	Stock	10142	10442	\$5.44	10152	10452	\$6.51
	50	Make	10143	10443	\$5.44	10153	10453	\$6.51
	60	Stock	10144	10444	\$5.44	10154	10454	\$6.51
	80	Stock	10145	10445	\$5.44	10155	10455	\$6.51
	100	Make	10146	10446	\$5.44	10156	10456	\$6.51
	120	Stock	10147	10447	\$5.44	10157	10457	\$6.51
6 x 5/8"-11	24	Stock	10160	10460	\$6.87	10170	10470	\$8.25
	36	Stock	10161	10461	\$6.77	10171	10471	\$8.15
	40	Stock	10162	10462	\$6.67	10172	10472	\$8.05
	50	Make	10163	10463	\$6.68	10173	10473	\$8.05
	60	Stock	10164	10464	\$6.68	10174	10474	\$8.05
	80	Stock	10165	10465	\$6.68	10175	10475	\$8.05
	100	Make	10166	10466	\$6.68	10176	10476	\$8.05
	120	Stock	10167	10467	\$6.68	10177	10477	\$8.05
7 x 5/8"-11	24	Stock	10180	10480	\$9.81	10190	10490	\$11.84
	36	Stock	10181	10481	\$9.61	10191	10491	\$11.64
	40	Stock	10182	10482	\$9.41	10192	10492	\$11.44
	50	Make	10183	10483	\$9.41	10193	10493	\$11.44
	60	Stock	10184	10484	\$9.41	10194	10494	\$11.44
	80	Stock	10185	10485	\$9.41	10195	10495	\$11.44
	100	Make	10186	10486	\$9.41	10196	10496	\$11.44
	120	Stock	10187	10487	\$9.41	10197	10497	\$11.44



FLAP DISCS FOR STAINLESS STEEL

PROFESSIONAL SERIES - ZIRCONIA ALUMINA W/ DUAL ACTION GRINDING AIDS



PROFESSIONAL SERIES FLAP DISCS

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ZIRCONIA ALUMINA WITH DUAL ACTION GRINDING AIDS

Our zirconia flap discs are phenolic resin bonded to a reinforced fiberglass backing that wears with the abrasive flaps. Multiple layers of poly-cotton backed abrasives are stacked in 3-dimensional form, constantly exposing new sharp grains to the work surface. These discs have a high zirconia grain concentration with a specialty resin bond, which accounts for their superior performance. Our zirconia flap discs are manufactured with premium VSM materials. These discs are specifically designed for superior work on stainless steels and carbon steels.

CONFIGURATIONS

SIZE RANGE 4"; 4-1/2"; 5"; 6"; 7"

GRIT RANGE 24; 36; 40; 50; 60; 80

ABRASIVE GRAIN Zirconia Alumina w/
Dual Action Grinding Aids

ATTACHMENT Arbor Hole; Threaded Hub

DISC SHAPE Type 27; Type 29

FLAP DENSITY Standard; High

BACKING MATERIAL Fiberglass; Plastic

MACHINE Angle Grinder

FEATURES & BENEFITS

- Designed for rapid stock removal on heavy duty applications.
- Contains added grinding aid for cooler cutting for a longer life for your disc.
- Self sharpening crystals leaving steady, consistent sharp edges.
- Contaminant-free, Iron Sulfur and Chlorine less than .1%, won't rust stainless steel.
- Holds up under high temperature and extreme pressures.
- Provides a good cut rate-to-cost ratio, giving an even better cost efficiency.
- Less pressure needed, still leaves a consistent finish with less operator fatigue.

ADDITIONAL PRODUCTS



FLAP DISCS VS. GRINDING WHEELS & RESIN FIBER DISCS

Flap discs remove material at the speed of depressed center grinding wheels, while creating a better finish and safer working environment. They perform better than the competition by packing 25% to 50% more abrasive on each snippet.

FLAP DISCS VS. GRINDING WHEELS

LONGEVITY: The additional abrasive material allows for greater contact and faster material removal from a constant cut-rate.

CONSISTENCY: Flap discs don't gouge like grinding wheels can. They create an easy control finish by constantly exposing new abrasive.

QUALITY: Compared to Grinding Wheels, Flap Discs have faster stock removal, are easier to control, are quieter and have less vibration. Their exceptionally cool cutting permits contouring and avoids burning the workpiece by overheating.



FLAP DISCS VS. RESIN FIBER

LONGEVITY: Flap discs have up to 350% more abrasive surface area than sanding discs and last up to 30 time longer due to their overlapping flap design construction.

FINISH: Wearing evenly across the abrasive material, flap discs self-sharpen and produce an even finish from the beginning to the end of their use.

PERFORMANCE: Flap Discs have fewer changeouts, have a more consistent finish and reduced loading.



PROFESSIONAL SERIES - ZIRCONIA ALUMINA W/ DUAL ACTION GRINDING AID

ABRASIVE GRAIN



AVAILABLE SHAPES



AVAILABLE DENSITIES



ATTACHMENT TYPES



PERFORMANCE



MACHINE TYPE



PROFESSIONAL SERIES - ARBOR HOLE, ZIRCONIA ALUMINA, STANDARD & HIGH DENSITY, TYPE 27 & TYPE 29								
★ AMERICAN INNOVATION ★			STANDARD DENSITY			HIGH DENSITY		
SIZE	GRIT	STOCK STATUS	T27 PT#	T29 PT#	MSRP	T27 PT#	T29 PT#	MSRP
4 x 5/8"	36	Make	12801	13001	\$3.99	12811	13011	\$5.06
	40	Make	12802	13002	\$3.99	12812	13012	\$5.06
	50	Make	12803	13003	\$3.99	12813	13013	\$5.06
	60	Make	12804	13004	\$3.99	12814	13014	\$5.06
	80	Make	12805	13005	\$3.99	12815	13015	\$5.06
4.5 x 7/8"	36	Make	12821	13021	\$5.13	12831	13031	\$6.77
	40	Make	12822	13022	\$5.13	12832	13032	\$6.77
	50	Make	12823	13023	\$4.60	12833	13033	\$6.47
	60	Make	12824	13024	\$4.60	12834	13034	\$6.47
	80	Make	12825	13025	\$4.60	12835	13035	\$6.47
5 x 7/8"	36	Make	12841	13041	\$5.86	12851	13051	\$7.64
	40	Make	12842	13042	\$5.86	12852	13052	\$7.64
	50	Make	12843	13043	\$5.44	12853	13053	\$7.23
	60	Make	12844	13044	\$5.44	12854	13054	\$7.23
	80	Make	12845	13045	\$5.44	12855	13055	\$7.23
6 x 7/8"	36	Make	12861	13061	\$6.57	12871	13071	\$8.38
	40	Make	12862	13062	\$6.57	12872	13072	\$8.38
	50	Make	12863	13063	\$5.93	12873	13073	\$8.01
	60	Make	12864	13064	\$5.93	12874	13074	\$8.01
	80	Make	12865	13065	\$5.93	12875	13075	\$8.01
7 x 7/8"	36	Make	12881	13081	\$11.35	12891	13091	\$15.00
	40	Make	12882	13082	\$11.35	12892	13092	\$15.00
	50	Make	12883	13083	\$10.95	12893	13093	\$14.40
	60	Make	12884	13084	\$10.95	12894	13094	\$14.40
	80	Make	12885	13085	\$10.95	12895	13095	\$14.40

PROFESSIONAL SERIES - THREADED HUB, ZIRCONIA ALUMINA, STANDARD & HIGH DENSITY, TYPE 27 & TYPE 29								
★ AMERICAN INNOVATION ★			STANDARD DENSITY			HIGH DENSITY		
SIZE	GRIT	STOCK STATUS	T27 PT#	T29 PT#	MSRP	T27 PT#	T29 PT#	MSRP
4 x 3/8"-24	36	Make	12901	13101	\$5.19	12911	13111	\$6.26
	40	Make	12902	13102	\$5.19	12912	13112	\$6.26
	50	Make	12903	13103	\$5.19	12913	13113	\$6.26
	60	Make	12904	13104	\$5.19	12914	13114	\$6.26
	80	Make	12905	13105	\$5.19	12915	13115	\$6.26
4.5 x 5/8"-11	36	Make	12921	13121	\$6.33	12931	13131	\$7.97
	40	Make	12922	13122	\$6.33	12932	13132	\$7.97
	50	Make	12923	13123	\$5.80	12933	13133	\$7.67
	60	Make	12924	13124	\$5.80	12934	13134	\$7.67
	80	Make	12925	13125	\$5.80	12935	13135	\$7.67
5 x 5/8"-11	36	Make	12941	13141	\$7.06	12951	13151	\$8.84
	40	Make	12942	13142	\$7.06	12952	13152	\$8.84
	50	Make	12943	13143	\$6.64	12953	13153	\$8.43
	60	Make	12944	13144	\$6.64	12954	13154	\$8.43
	80	Make	12945	13145	\$6.64	12955	13155	\$8.43
6 x 5/8"-11	36	Make	12961	13161	\$7.77	12971	13171	\$9.58
	40	Make	12962	13162	\$7.77	12972	13172	\$9.58
	50	Make	12963	13163	\$7.13	12973	13173	\$9.21
	60	Make	12964	13164	\$7.13	12974	13174	\$9.21
	80	Make	12965	13165	\$7.13	12975	13175	\$9.21
7 x 5/8"-11	36	Make	12981	13181	\$12.95	12991	13191	\$16.60
	40	Make	12982	13182	\$12.95	12992	13192	\$16.60
	50	Make	12983	13183	\$12.55	12993	13193	\$16.00
	60	Make	12984	13184	\$12.55	12994	13194	\$16.00
	80	Make	12985	13185	\$12.55	12995	13195	\$16.00

MORE CONFIGURATIONS THAN ANYONE

In addition to Premium Performance Zirconia Alumina, we also offer Ceramic Alumina & Ceramic Alumina Plus, Aluminum Oxide, and Spiral Cooled & Smooth Face Backing Pads. If you do not see a material or configuration, please contact us to discuss a specialty make. If you'd like to know about other materials or products, please contact us for more information.





FLAP DISCS FOR ALUMINUM & NON-FERROUS

PROFESSIONAL SERIES - ALUMINUM OXIDE W/ CALCIUM STEARATE LIQUEFYING AID



PROFESSIONAL SERIES FLAP DISCS

Our flap discs are versatile grinding and finishing tools, consisting of three main components: a backing plate, adhesive, and abrasive cloth flaps. The rectangular flaps are overlapped and glued to the backing plate. Flap discs are designed for right angle grinder applications ranging from heavy stock removal to surface blending.

ALUMINUM OXIDE W/ CALCIUM STEARATE LIQUEFYING AID

Our Aluminum Oxide Plus flap discs run cool because of its added calcium stearate coating. This coating liquefies under heat which keeps the material cooler. The AO+ is specially designed for softer metals, specifically aluminum, as the coating will help prevent loading and glazing, which clogs the flap disc with swarf and possibly ruining your workpiece. They are also an excellent choice for blending stainless steel. Our flap discs are contaminant-free, meaning iron, sulfur, and chlorine are less than .1% present. Best used on aluminum, bronze, copper, and non-ferrous materials.

CONFIGURATIONS

SIZE RANGE 4"; 4-1/2"; 5"; 6"; 7"

GRIT RANGE 24; 36; 40; 50; 60

ABRASIVE GRAIN Aluminum Oxide w/ Stearate

ATTACHMENT Arbor Hole; Threaded Hub

DISC SHAPE Type 27; Type 29

FLAP DENSITY Standard; High

BACKING MATERIAL Fiberglass; Plastic

MACHINE Angle Grinder

FEATURES & BENEFITS

- Specifically designed for difficult to grind, softer materials.
- Cost effective, higher production rates than other flap discs.
- High performance on metal sheets and thin sectional material.
- Contaminant-free, Iron, Sulfur, and Chlorine are less than .1%; won't rust stainless steel.
- Calcium Stearate coating liquefies under heat to cool the disc preventing loading.
- Sturdy polyester cloth backing for reliable performance.
- Allows for excellent grinding conditions and life for malleable materials.

ADDITIONAL PRODUCTS



FLAP DISCS VS. GRINDING WHEELS & RESIN FIBER DISCS

Flap discs remove material at the speed of depressed center grinding wheels, while creating a better finish and safer working environment. They perform better than the competition by packing 25% to 50% more abrasive on each snippet.

FLAP DISCS VS. GRINDING WHEELS

LONGEVITY: The additional abrasive material allows for greater contact and faster material removal from a constant cut-rate.

CONSISTENCY: Flap discs don't gouge like grinding wheels can. They create an easy control finish by constantly exposing new abrasive.

QUALITY: Compared to Grinding Wheels, Flap Discs have faster stock removal, are easier to control, are quieter and have less vibration. Their exceptionally cool cutting permits contouring and avoids burning the workpiece by overheating.



FLAP DISCS VS. RESIN FIBER

LONGEVITY: Flap discs have up to 350% more abrasive surface area than sanding discs and last up to 30 time longer due to their overlapping flap design construction.

FINISH: Wearing evenly across the abrasive material, flap discs self-sharpen and produce an even finish from the beginning to the end of their use.

PERFORMANCE: Flap Discs have fewer changeouts, have a more consistent finish and reduced loading.



PROFESSIONAL SERIES - ALUMINUM OXIDE W/ CALCIUM STEARATE LIQUEFYING AID

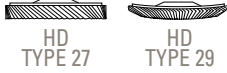
ABRASIVE GRAIN



AVAILABLE SHAPES



AVAILABLE DENSITIES



ATTACHMENT TYPES



PERFORMANCE



MACHINE TYPE

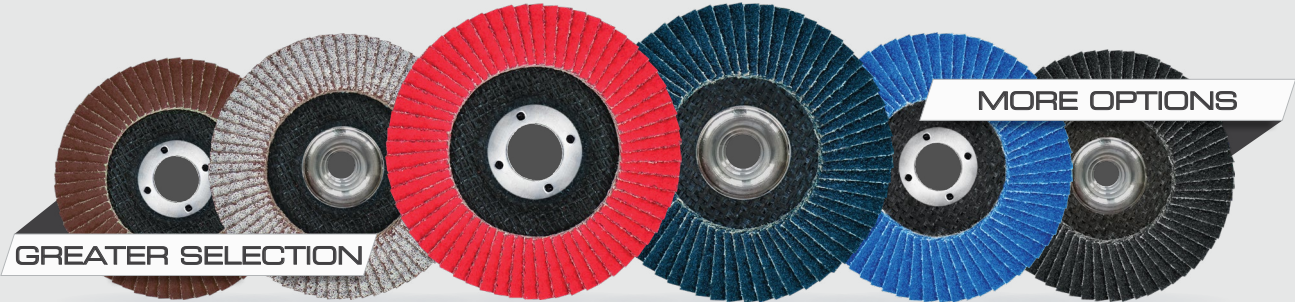


PROFESSIONAL SERIES - ARBOR HOLE, ALUMINUM OXIDE PLUS, STANDARD & HIGH DENSITY, TYPE 27 & TYPE 29								
★ AMERICAN INNOVATION ★			STANDARD DENSITY			HIGH DENSITY		
SIZE	GRIT	STOCK STATUS	T27 PT#	T29 PT#	MSRP	T27 PT#	T29 PT#	MSRP
4 x 5/8"	24	Make	13600	13800	\$4.24	13610	13810	\$5.33
	36	Make	13601	13801	\$4.24	13611	13811	\$5.33
	40	Make	13602	13802	\$4.24	13612	13812	\$5.33
	50	Make	13603	13803	\$4.24	13613	13813	\$5.33
	60	Make	13604	13804	\$4.24	13614	13814	\$5.33
4.5 x 7/8"	24	Make	13620	13820	\$5.19	13630	13830	\$6.67
	36	Stock	13621	13821	\$5.19	13631	13831	\$6.67
	40	Stock	13622	13822	\$5.19	13632	13832	\$6.67
	50	Make	13623	13823	\$5.19	13633	13833	\$6.67
5 x 7/8"	60	Stock	13624	13824	\$5.19	13634	13834	\$6.67
	24	Make	13640	13840	\$6.49	13650	13850	\$8.15
	36	Stock	13641	13841	\$5.76	13651	13851	\$8.15
	40	Stock	13642	13842	\$5.76	13652	13852	\$8.15
6 x 7/8"	50	Make	13643	13843	\$5.76	13653	13853	\$8.15
	60	Stock	13644	13844	\$5.76	13654	13854	\$8.15
	24	Make	13660	13860	\$6.54	13670	13870	\$8.15
	36	Make	13661	13861	\$6.54	13671	13871	\$8.15
7 x 7/8"	40	Make	13662	13862	\$6.54	13672	13872	\$8.15
	50	Make	13663	13863	\$6.54	13673	13873	\$8.15
	60	Make	13664	13864	\$6.54	13674	13874	\$8.15
	24	Make	13680	13880	\$11.51	13690	13890	\$14.82
7 x 5/8"-11	36	Stock	13681	13881	\$10.49	13691	13891	\$14.33
	40	Stock	13682	13882	\$10.49	13692	13892	\$14.33
	50	Make	13683	13883	\$10.49	13693	13893	\$14.33
	60	Stock	13684	13884	\$10.49	13694	13894	\$14.33

PROFESSIONAL SERIES - THREADED HUB, ALUMINUM OXIDE PLUS, STANDARD & HIGH DENSITY, TYPE 27 & TYPE 29								
★ AMERICAN INNOVATION ★			STANDARD DENSITY			HIGH DENSITY		
SIZE	GRIT	STOCK STATUS	T27 PT#	T29 PT#	MSRP	T27 PT#	T29 PT#	MSRP
4 x 3/8"-24	24	Make	13700	13900	\$5.44	13710	13910	\$6.53
	36	Make	13701	13901	\$5.44	13711	13911	\$6.53
	40	Make	13702	13902	\$5.44	13712	13912	\$6.53
	50	Make	13703	13903	\$5.44	13713	13913	\$6.53
	60	Make	13704	13904	\$5.44	13714	13914	\$6.53
4.5 x 5/8"-11	24	Make	13720	13920	\$6.39	13730	13930	\$7.87
	36	Stock	13721	13921	\$6.39	13731	13931	\$7.87
	40	Stock	13722	13922	\$6.39	13732	13932	\$7.87
	50	Make	13723	13923	\$6.39	13733	13933	\$7.87
5 x 5/8"-11	60	Stock	13724	13924	\$6.39	13734	13934	\$7.87
	24	Make	13740	13940	\$7.69	13750	13950	\$9.35
	36	Stock	13741	13941	\$6.96	13751	13951	\$9.35
	40	Stock	13742	13942	\$6.96	13752	13952	\$9.35
6 x 5/8"-11	50	Make	13743	13943	\$6.96	13753	13953	\$9.35
	60	Stock	13744	13944	\$6.96	13754	13954	\$9.35
	24	Make	13760	13960	\$7.74	13770	13970	\$9.35
	36	Make	13761	13961	\$7.74	13771	13971	\$9.35
7 x 5/8"-11	40	Make	13762	13962	\$7.74	13772	13972	\$9.35
	50	Make	13763	13963	\$7.74	13773	13973	\$9.35
	60	Make	13764	13964	\$7.74	13774	13974	\$9.35
	24	Make	13780	13980	\$13.11	13790	13990	\$16.42
7 x 3/8"-24	36	Stock	13781	13981	\$12.09	13791	13991	\$15.93
	40	Stock	13782	13982	\$12.09	13792	13992	\$15.93
	50	Make	13783	13983	\$12.09	13793	13993	\$15.93
	60	Stock	13784	13984	\$12.09	13794	13994	\$15.93

MORE CONFIGURATIONS THAN ANYONE

We offer Ceramic Alumina, Zirconia Alumina, Zirconia Alumina for Stainless, Aluminum Oxide Plus, Aluminum Oxide, Silicon Carbide, and Quick Change Flap Discs. If you do not see a material or configuration, please contact us to discuss a specialty make. If you'd like to know about other materials or products, please contact your local representative or distributor for more information.





PROFESSIONAL SERIES FLAP DISCS

Our flap discs are versatile grinding and finishing tools, consisting of three main components: a backing plate, adhesive, and abrasive cloth flaps. The rectangular flaps are overlapped and glued to the backing plate. Flap discs are designed for right angle grinder applications ranging from heavy stock removal to surface blending.

ALUMINUM OXIDE WITH GRINDING AID

Our Aluminum Oxide Flap Discs are popular for universal use. These discs are a great choice on a wide range of materials. They can be used on ferrous (alloyed & unalloyed steels), including high speed steel, stainless steel, and cast iron. They can also be used on non-ferrous materials including aluminum, copper, brass and zinc. In addition, they can be used on composite materials such as plastic and wood. Unlike our AP+ flap disc, they do not have a calcium stearate coating, which means you can still use it for softer materials, like bronze, copper, and brass, but without the added cost of the stearate.

CONFIGURATIONS

SIZE RANGE 4"; 4-1/2"; 5"; 6"; 7"

GRIT RANGE 24; 36; 40; 50; 60; 80; 100; 120

ABRASIVE GRAIN Aluminum Oxide

ATTACHMENT Arbor Hole; Threaded Hub

DISC SHAPE Type 27; Type 29

FLAP DENSITY Standard; High

BACKING MATERIAL Fiberglass; Plastic

MACHINE Angle Grinder

FEATURES & BENEFITS

- Used for a general purpose job.
- Hard and durable grain material gives an extra long disc durability.
- Durable fiberglass backing is lightweight but still provides strong tool vibration.
- Very cost effective for the smaller jobs providing a consistent finish at a great value.
- Contaminant-free, Iron Sulfur and Chlorine less than .1%, won't rust stainless steel.
- An exceptional grinding result even when used with light pressure.
- Closed coat finish, ideal for long run times without changing discs.

ADDITIONAL PRODUCTS



FLAP DISCS VS. GRINDING WHEELS & RESIN FIBER DISCS

Flap discs remove material at the speed of depressed center grinding wheels, while creating a better finish and safer working environment. They perform better than the competition by packing 25% to 50% more abrasive on each snippet.

FLAP DISCS VS. GRINDING WHEELS

LONGEVITY: The additional abrasive material allows for greater contact and faster material removal from a constant cut-rate.

CONSISTENCY: Flap discs don't gouge like grinding wheels can. They create an easy control finish by constantly exposing new abrasive.

QUALITY: Compared to Grinding Wheels, Flap Discs have faster stock removal, are easier to control, are quieter and have less vibration. Their exceptionally cool cutting permits contouring and avoids burning the workpiece by overheating.



FLAP DISCS VS. RESIN FIBER

LONGEVITY: Flap discs have up to 350% more abrasive surface area than sanding discs and last up to 30 times longer due to their overlapping flap design construction.

FINISH: Wearing evenly across the abrasive material, flap discs self-sharpen and produce an even finish from the beginning to the end of their use.

PERFORMANCE: Flap Discs have fewer changeouts, have a more consistent finish and reduced loading.



PROFESSIONAL SERIES - ALUMINUM OXIDE W/ GRINDING AID

ABRASIVE GRAIN

AVAILABLE SHAPES

AVAILABLE DENSITIES

ATTACHMENT TYPES

PERFORMANCE

MACHINE TYPE



PROFESSIONAL SERIES - ARBOR HOLE, ALUMINUM OXIDE, STANDARD & HIGH DENSITY, TYPE 27 & TYPE 29

★ AMERICAN INNOVATION ★			STANDARD DENSITY			HIGH DENSITY		
SIZE	GRIT	STOCK STATUS	T27 PT#	T29 PT#	MSRP	T27 PT#	T29 PT#	MSRP
4 x 5/8"	24	Stock	13200	13400	\$3.70	13210	13410	\$4.50
	36	Stock	13201	13401	\$3.70	13211	13411	\$4.50
	40	Stock	13202	13402	\$3.70	13212	13412	\$4.50
	50	Make	13203	13403	\$3.70	13213	13413	\$4.50
	60	Stock	13204	13404	\$3.70	13214	13414	\$4.50
	80	Stock	13205	13405	\$3.70	13215	13415	\$4.50
	100	Make	13206	13406	\$3.70	13216	13416	\$4.50
	120	Stock	13207	13407	\$3.70	13217	13417	\$4.50
4.5 x 7/8"	24	Stock	13220	13420	\$3.96	13230	13430	\$4.96
	36	Stock	13221	13421	\$3.96	13231	13431	\$4.96
	40	Stock	13222	13422	\$3.96	13232	13432	\$4.96
	50	Make	13223	13423	\$3.96	13233	13433	\$4.96
	60	Stock	13224	13424	\$3.96	13234	13434	\$4.96
	80	Stock	13225	13425	\$3.96	13235	13435	\$4.96
	100	Make	13226	13426	\$3.96	13236	13436	\$4.96
	120	Stock	13227	13427	\$3.96	13237	13437	\$4.96
5 x 7/8"	24	Stock	13240	13440	\$4.24	13250	13450	\$5.40
	36	Stock	13241	13441	\$4.24	13251	13451	\$5.40
	40	Stock	13242	13442	\$4.24	13252	13452	\$5.40
	50	Make	13243	13443	\$4.24	13253	13453	\$5.40
	60	Stock	13244	13444	\$4.24	13254	13454	\$5.40
	80	Stock	13245	13445	\$4.24	13255	13455	\$5.40
	100	Make	13246	13446	\$4.24	13256	13456	\$5.40
	120	Stock	13247	13447	\$4.24	13257	13457	\$5.40
6 x 7/8"	24	Stock	13260	13460	\$4.80	13270	13470	\$3.75
	36	Stock	13261	13461	\$4.80	13271	13471	\$3.71
	40	Stock	13262	13462	\$4.80	13272	13472	\$3.78
	50	Make	13263	13463	\$4.80	13273	13473	\$3.81
	60	Stock	13264	13464	\$4.80	13274	13474	\$3.72
	80	Stock	13265	13465	\$4.80	13275	13475	\$3.63
	100	Make	13266	13466	\$4.80	13276	13476	\$3.57
	120	Stock	13267	13467	\$4.80	13277	13477	\$3.57
7 x 7/8"	24	Stock	13280	13480	\$7.80	13290	13490	\$9.68
	36	Stock	13281	13481	\$7.80	13291	13491	\$9.68
	40	Stock	13282	13482	\$7.80	13292	13492	\$9.68
	50	Make	13283	13483	\$7.80	13293	13493	\$9.68
	60	Stock	13284	13484	\$7.80	13294	13494	\$9.68
	80	Stock	13285	13485	\$7.80	13295	13495	\$9.68
	100	Make	13286	13486	\$7.80	13296	13496	\$9.68
	120	Stock	13287	13487	\$7.80	13297	13497	\$9.68

PROFESSIONAL SERIES - THREADED HUB, ALUMINUM OXIDE, STANDARD & HIGH DENSITY, TYPE 27 & TYPE 29

★ AMERICAN INNOVATION ★			STANDARD DENSITY			HIGH DENSITY		
SIZE	GRIT	STOCK STATUS	T27 PT#	T29 PT#	MSRP	T27 PT#	T29 PT#	MSRP
4 x 3/8"-24	24	Stock	13300	13500	\$4.90	13310	13510	\$5.70
	36	Stock	13301	13501	\$4.90	13311	13511	\$5.70
	40	Stock	13302	13502	\$4.90	13312	13512	\$5.70
	50	Make	13303	13503	\$4.90	13313	13513	\$5.70
	60	Stock	13304	13504	\$4.90	13314	13514	\$5.70
	80	Stock	13305	13505	\$4.90	13315	13515	\$5.70
	100	Make	13306	13506	\$4.90	13316	13516	\$5.70
	120	Stock	13307	13507	\$4.90	13317	13517	\$5.70
4.5 x 5/8"-11	24	Stock	13320	13520	\$5.16	13330	13530	\$6.16
	36	Stock	13321	13521	\$5.16	13331	13531	\$6.16
	40	Stock	13322	13522	\$5.16	13332	13532	\$6.16
	50	Make	13323	13523	\$5.16	13333	13533	\$6.16
	60	Stock	13324	13524	\$5.16	13334	13534	\$6.16
	80	Stock	13325	13525	\$5.16	13335	13535	\$6.16
	100	Make	13326	13526	\$5.16	13336	13536	\$6.16
	120	Stock	13327	13527	\$5.16	13337	13537	\$6.16
5 x 5/8"-11	24	Stock	13340	13540	\$5.44	13350	13550	\$6.60
	36	Stock	13341	13541	\$5.44	13351	13551	\$6.60
	40	Stock	13342	13542	\$5.44	13352	13552	\$6.60
	50	Make	13343	13543	\$5.44	13353	13553	\$4.60
	60	Stock	13344	13544	\$5.44	13354	13554	\$6.60
	80	Stock	13345	13545	\$5.44	13355	13555	\$6.60
	100	Make	13346	13546	\$5.44	13356	13556	\$6.60
	120	Stock	13347	13547	\$5.44	13357	13557	\$6.60
6 x 5/8"-11	24	Make	13360	13560	\$6.00	13370	13570	\$4.95
	36	Stock	13361	13561	\$6.00	13371	13571	\$4.91
	40	Stock	13362	13562	\$6.00	13372	13572	\$4.98
	50	Make	13363	13563	\$6.00	13373	13573	\$5.01
	60	Stock	13364	13564	\$6.00	13374	13574	\$4.92
	80	Stock	13365	13565	\$6.00	13375	13575	\$4.83
	100	Make	13366	13566	\$6.00	13376	13576	\$4.77
	120	Stock	13367	13567	\$6.00	13377	13577	\$4.77
7 x 5/8"-11	24	Make	13380	13580	\$9.40	13390	13590	\$11.28
	36	Stock	13381	13581	\$9.40	13391	13591	\$11.28
	40	Stock	13382	13582	\$9.40	13392	13592	\$11.28
	50	Make	13383	13583	\$9.40	13393	13593	\$11.28
	60	Stock	13384	13584	\$9.40	13394	13594	\$11.28
	80	Stock	13385	13585	\$9.40	13395	13595	\$11.28
	100	Make	13386	13586	\$9.40	13396	13596	\$11.28
	120	Stock	13387	13587	\$9.40	13397	13597	\$11.28



QUICK CHANGE FLAP DISCS

PROFESSIONAL SERIES - TYPE R & S; CERAMIC ALUMINA & ZIRCONIA ALUMINA, ALUMINUM OXIDE PLUS



PROFESSIONAL SERIES QUICK CHANGE FLAP DISCS

Quick Change Discs offer ease of use and flexibility in tight areas and are excellent for irregular and contoured surfaces. These discs employ a tool free quick-lock system for easy and quick removal and attachments. This allows for rapidly applying multiple operations, which saves you time and money.

CERAMIC W/ GRINDING AID & SELF-SHARPENING ACTION

Ceramic flap discs run cooler than other abrasive grains because of their added grinding aid. While dissipating heat, it helps keep the disc cool, which prolongs the lifespan helping you save. On difficult to grind materials, ceramic grain should be the first choice as they are optimal for aggressive material removal.

ZIRCONIA ALUMINA W/ GRINDING AID

Our zirconia flap discs are phenolic resin bonded to a reinforced fiberglass backing that wears with the abrasive flaps. Multiple layers of poly-cotton backed abrasives are stacked in 3-dimensional form, constantly exposing new sharp grains to the work surface. These discs have a high zirconia grain concentration with a specialty resin bond.

CONFIGURATIONS

SIZE RANGE 2" & 3"

GRIT RANGE 36; 40; 50; 60; 80; 100; 120

ABRASIVE GRAIN Ceramic Alumina & Zirconia Alumina

ATTACHMENT Type R; Type S

FLAP DENSITY Standard

BACKING MATERIAL Fiberglass; Plastic

MACHINE Die Grinder

FEATURES & BENEFITS

- Lasts 10 - 20 times longer than traditional coated abrasive roloc discs.
- Type R have a roll on and off feature while Type S have a turn on and off feature.
- Contaminant-free, Iron Sulfur and Chlorine less than .1%, won't rust stainless steel.
- Zirconia is made for a medium-to-heavy stock removal.
- Ceramic is made for heavy stock removal.
- Lasts up to 300% longer than a sanding disc.

ADDITIONAL PRODUCTS



FLAP DISCS VS. GRINDING WHEELS & RESIN FIBER DISCS

Flap discs remove material at the speed of depressed center grinding wheels, while creating a better finish and safer working environment. They perform better than the competition by packing 25% to 50% more abrasive on each snippet.

FLAP DISCS VS. GRINDING WHEELS

LONGEVITY: The additional abrasive material allows for greater contact and faster material removal from a constant cut-rate.

CONSISTENCY: Flap discs don't gouge like grinding wheels can. They create an easy control finish by constantly exposing new abrasive.

QUALITY: Compared to Grinding Wheels, Flap Discs have faster stock removal, are easier to control, are quieter and have less vibration. Their exceptionally cool cutting permits contouring and avoids burning the workpiece by overheating.



FLAP DISCS VS. RESIN FIBER


LONGEVITY: Flap discs have up to 350% more abrasive surface area than sanding discs and last up to 30 times longer due to their overlapping flap design construction.

FINISH: Wearing evenly across the abrasive material, flap discs self-sharpen and produce an even finish from the beginning to the end of their use.


PERFORMANCE: Flap Discs have fewer changeouts, have a more consistent finish and reduced loading.



ABRASIVE GRAIN




CERAMIC ALUMINA




ZIRCONIA ALUMINA

ATTACHMENT TYPES




TYPE R




TYPE S

PERFORMANCE




PRO
PROFESSIONAL SERIES

MACHINE TYPE



ANGLE GRINDER



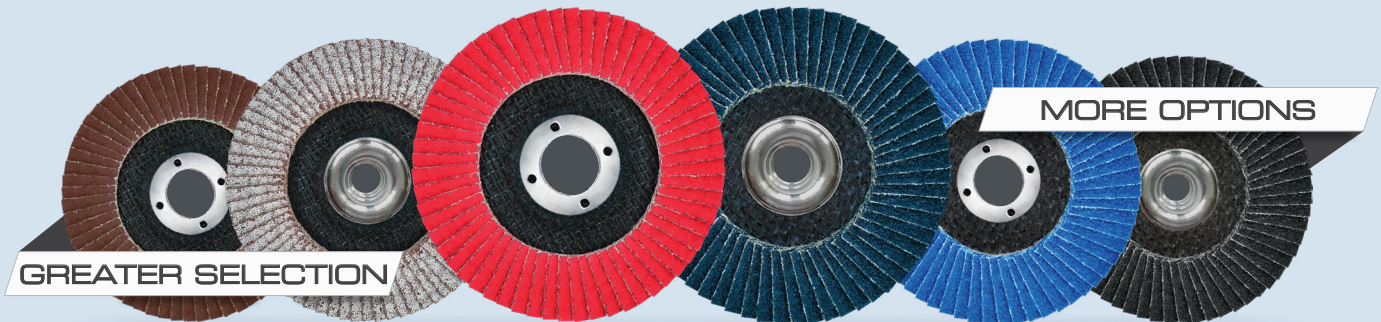
DIE GRINDER

PROFESSIONAL SERIES - CERAMIC ALUMINA, TYPE R & TYPE S						
★ AMERICAN INNOVATION ★			TYPE R		TYPE S	
SIZE	GRIT	STOCK STATUS	PART#	MSRP	PART#	MSRP
2"	36	Make	11641	\$3.14	11651	\$3.23
	40	Stock	11642	\$3.14	11652	\$3.23
	50	Make	11643	\$3.14	11653	\$3.23
	60	Stock	11644	\$3.14	11654	\$3.23
	80	Stock	11645	\$3.14	11655	\$3.23
	100	Make	11646	\$3.14	11656	\$3.23
	120	Stock	11647	\$3.14	11657	\$3.23
3"	36	Make	11661	\$5.45	11671	\$5.54
	40	Stock	11662	\$5.45	11672	\$5.54
	50	Make	11663	\$4.52	11673	\$4.62
	60	Stock	11664	\$4.52	11674	\$4.62
	80	Stock	11665	\$4.52	11675	\$4.62
	100	Make	11666	\$4.52	11676	\$4.62
	120	Stock	11667	\$4.52	11677	\$4.62

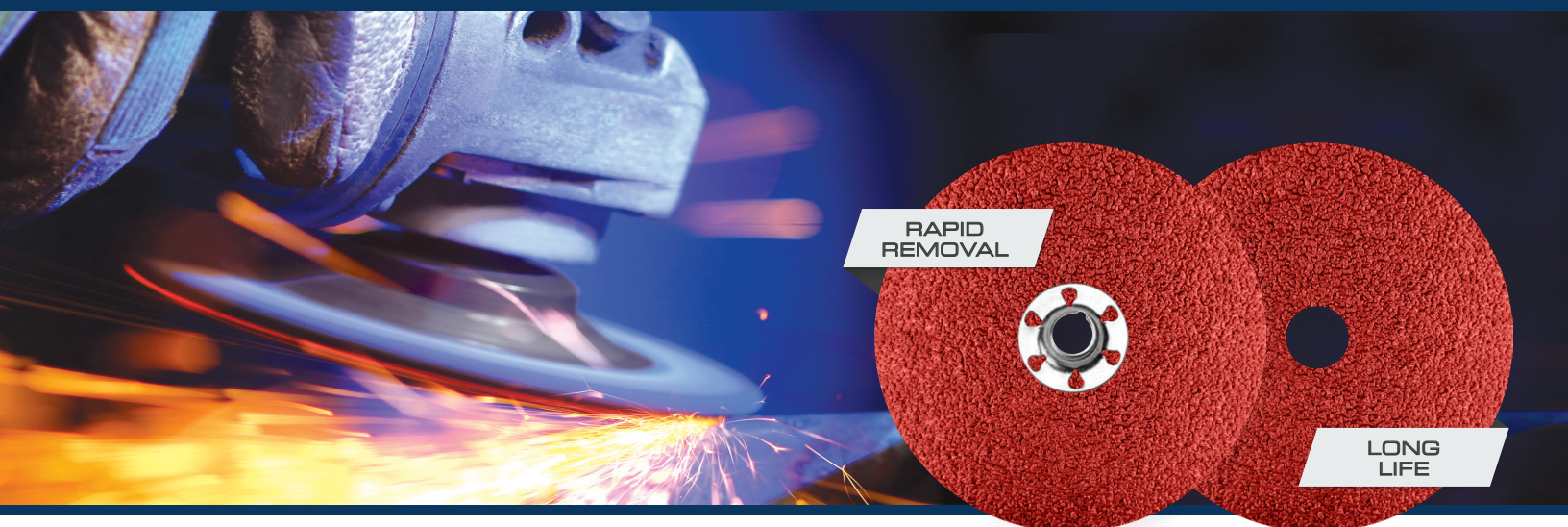
PROFESSIONAL SERIES - ZIRCONIA ALUMINA, TYPE R & TYPE S						
★ AMERICAN INNOVATION ★			TYPE R		TYPE S	
SIZE	GRIT	STOCK STATUS	PART#	MSRP	PART#	MSRP
2"	36	Stock	11601	\$2.22	11611	\$2.31
	40	Stock	11602	\$2.22	11612	\$2.31
	50	Make	11603	\$2.22	11613	\$2.31
	60	Stock	11604	\$2.22	11614	\$2.31
	80	Stock	11605	\$2.22	11615	\$2.31
	100	Make	11606	\$2.22	11616	\$2.31
	120	Stock	11607	\$2.22	11617	\$2.31
3"	36	Stock	11621	\$3.60	11631	\$3.69
	40	Stock	11622	\$3.60	11632	\$3.69
	50	Make	11623	\$3.14	11633	\$3.23
	60	Stock	11624	\$3.14	11634	\$3.23
	80	Stock	11625	\$3.14	11635	\$3.23
	100	Make	11626	\$3.14	11636	\$3.23
	120	Stock	11627	\$3.14	11637	\$3.23

MORE CONFIGURATIONS THAN ANYONE

In addition to Premium Performance Quick Change Flap Discs, we also offer regular flap discs in Ceramic Alumina, Zirconia Alumina, Zirconia Alumina for Stainless, Aluminum Oxide Plus, and Aluminum Oxide. If you do not see a material or configuration, please contact us to discuss a specialty make. If you'd like to know about other materials or products, us for more information.



★ PROUDLY MADE IN AMERICA ★



PROFESSIONAL & PROFESSIONAL+ SERIES RESIN FIBER DISCS

Resin Fiber Discs are thin, but strong. Their multi-layer, heavy duty vulcanized backing keeps it tough, and is then coated with a resin bond that increases load resistance and glazing over. Used with a backup pad, they can be aggressive with a high stock removal while keeping a cool cut. They are ideal for removing rust, paint, and deburring, but also can be used for light applications such as surface sanding and polishing.

CERAMIC W/ GRINDING AID & SELF-SHARPENING ACTION

Our ceramic resin fiber discs have a very fine crystalline structure, which allows for micro-fracturing of the abrasive grain. This process constantly generates new cutting edges, which allows for longer life and faster stock removal for the entire life of the disc. When heat is an issue, our ceramic resin fiber discs are the solution. An added cooling agent is built into these discs on the outside layer that greatly reduces discoloration and heat in the material. Ideal for grinding and sanding metal, stainless steel and many other ferrous metals.

CONFIGURATIONS

SIZE RANGE 4-1/2"; 5"; 7"; 9-1/4"

GRIT RANGE 16; 24; 36; 40; 50; 60; 80; 100; 120

ABRASIVE GRAIN Ceramic Alumina; Aluminum Oxide; Zirconia Alumina

ATTACHMENT Arbor Hole; Quick-Lock

REQUIRED HOLDER Backing Pad

BACKING MATERIAL Heavy Duty Vulcanized Fiber

MACHINE Angle Grinder

FEATURES & BENEFITS

- Self-sharpening grains, aggressive cutting on hard-to-grind materials.
- Long lasting, require less pressure for higher stock removal.
- Reduces downtime for disc change over.
- Contaminant-free, Iron Sulfur and Chlorine less than .1%, won't rust stainless steel.
- Grinding aid, improves life and provides a cool, noticeably faster cut rate.
- Maintains an exceptional performance on tougher materials over entire life length of disc.
- Reduces work hardening on heat-sensitive materials.

ADDITIONAL PRODUCTS



RESIN FIBER DISCS VS. GRINDING WHEELS & SANDING DISCS

Sometimes it can be hard to choose which product to use. Here, we break down the benefits of using a resin fiber disc and compare them to grinding wheels and Sanding Discs.



RESIN FIBER DISCS VS. GRINDING WHEELS

LONGEVITY: Sealed front and back to maintain moisture content of the fibre, extending shelf life even under extreme atmospheric changes.

CONSISTENCY: Resin fiber discs leave a fine and uniform scratch pattern compared to a grinding disc and will never leave accidental gouges.

QUALITY: With their heavy-duty, resin-bonded backing, these discs are designed to confront any challenge for any metalworking application, as grinding wheels are more limited without flexibility.

RESIN FIBER DISCS VS. SANDING DISCS

LONGEVITY: Resin fibers have a longer work life than sanding discs due to a hard coating strength, making for far less change-outs than a sanding disc.

FINISH: With a thicker, stronger backing than a sanding disc, the resin fiber will give a more consistent, even finish, no matter the grit size.

PERFORMANCE: The resin bond and polycotton back allows the discs to achieve maximum cutting capacity, strong edge strength, and long lasting life by providing a low stretch, high strength material.



RESIN FIBER DISCS FOR STAINLESS, METAL, & NICKEL ALLOYS

PROFESSIONAL & PROFESSIONAL⁺ SERIES - STANDARD & QUICK LOCK; CERAMIC ALUMINA W/ GRINDING AID



CG
CERAMIC
GRAIN

QUICK
LOCK

SPIRAL
COOLED

SMOOTH
FACE

PRO
PROFESSIONAL
SERIES

ANGLE
GRINDER

CG
CERAMIC
GRAIN

QUICK
LOCK

SPIRAL
COOLED

SMOOTH
FACE

PRO⁺
PROFESSIONAL
PLUS SERIES

ANGLE
GRINDER

PROFESSIONAL SERIES - STANDARD & QUICK LOCK; CERAMIC ALUMINA W/ GRINDING AID						
SIZE	GRIT	STOCK STATUS	STANDARD	MSRP	QUICK LOCK	MSRP
4.5 x 7/8"	24	Stock	22411	\$2.31	22511	\$2.71
	36	Stock	22412	\$2.00	22512	\$2.40
	40	Stock	22413	\$1.87	22513	\$2.27
	50	Stock	22414	\$1.76	22514	\$2.16
	60	Stock	22415	\$1.56	22515	\$1.96
	80	Stock	22416	\$1.35	22516	\$1.75
	120	Stock	22418	\$1.27	22518	\$1.67
5 x 7/8"	24	Stock	22421	\$2.84	22521	\$3.24
	36	Stock	22422	\$2.40	22522	\$2.80
	40	Stock	22423	\$2.28	22523	\$2.68
	50	Stock	22424	\$2.12	22524	\$2.52
	60	Stock	22425	\$1.87	22525	\$2.27
	80	Stock	22426	\$1.66	22526	\$2.06
	120	Stock	22428	\$1.60	22528	\$2.00
7 x 7/8"	24	Stock	22441	\$5.31	22541	\$5.71
	36	Stock	22442	\$4.55	22542	\$4.95
	40	Stock	22443	\$4.31	22543	\$4.71
	50	Stock	22444	\$4.11	22544	\$4.51
	60	Stock	22445	\$3.55	22545	\$3.95
	80	Stock	22446	\$3.03	22546	\$3.43
	120	Stock	22448	\$2.91	22548	\$3.31
9.25 x 7/8"	24	Stock	22451	\$8.49	22551	\$8.89
	36	Stock	22452	\$7.29	22552	\$7.69
	40	Stock	22453	\$6.89	22553	\$7.29
	50	Stock	22454	\$6.53	22554	\$6.93
	60	Stock	22455	\$5.61	22555	\$6.01
	80	Stock	22456	\$4.97	22556	\$5.37
	120	Stock	22458	\$4.85	22558	\$5.25

PROFESSIONAL ⁺ SERIES - STANDARD & QUICK LOCK; CERAMIC ALUMINA W/ GRINDING AID						
SIZE	GRIT	STOCK STATUS	STANDARD PLUS SERIES	MSRP PLUS SERIES	QUICK LOCK PLUS SERIES	MSRP PLUS SERIES
4.5 x 7/8"	16	Stock	22610	-	22710	-
	24	Stock	22611	-	22711	-
	36	Stock	22612	-	22712	-
	40	Stock	22613	-	22713	-
	50	Stock	22614	-	22714	-
	60	Stock	22615	-	22715	-
	80	Stock	22616	-	22716	-
	100	Stock	22617	-	22717	-
	120	Stock	22618	-	22718	-
	16	Stock	22620	-	22720	-
5 x 7/8"	24	Stock	22621	-	22721	-
	36	Stock	22622	-	22722	-
	40	Stock	22623	-	22723	-
	50	Stock	22624	-	22724	-
	60	Stock	22625	-	22725	-
	80	Stock	22626	-	22726	-
	100	Stock	22627	-	22727	-
	120	Stock	22628	-	22728	-
	16	Stock	22640	-	22740	-
	24	Stock	22641	-	22741	-
7 x 7/8"	36	Stock	22642	-	22742	-
	40	Stock	22643	-	22743	-
	50	Stock	22644	-	22744	-
	60	Stock	22645	-	22745	-
	80	Stock	22646	-	22746	-
	100	Stock	22647	-	22747	-
	120	Stock	22648	-	22748	-
	24	Stock	22651	-	22751	-
	36	Stock	22652	-	22752	-



Our flap discs are versatile grinding and finishing tools, consisting of three main components: a backing plate, adhesive, and abrasive cloth flaps. The rectangular flaps are overlapped and glued to the backing plate.

Elite Abrasives offers Flap Discs in Ceramic Alumina, Zirconia Alumina, Zirconia Alumina for Stainless, Aluminum Oxide, Flap Discs For Aluminum, and Silicon Carbide. Additionally, we offer Trimmable, Fillet Weld, and Quick Change Flap Discs.

COATED FLAP DISCS





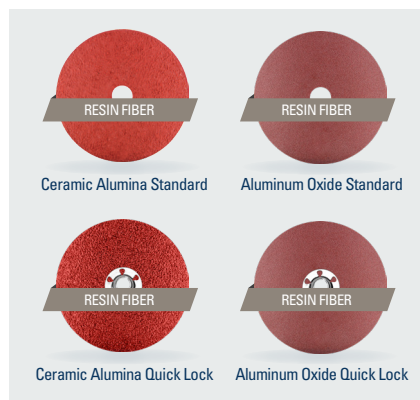
PROFESSIONAL SERIES RESIN FIBER DISCS

Resin Fiber Discs are thin, but strong. Their multi-layer, heavy duty vulcanized backing keeps it tough, and is then coated with a resin bond that increases load resistance and glazing over. Used with a backup pad, they can be aggressive with a high stock removal while keeping a cool cut. They are ideal for removing rust, paint, and deburring, but also can be used for light applications such as surface sanding and polishing.

ZIRCONIA ALUMINA W/ GRINDING AID

An added cooling agent is built into these discs on the outside layer that greatly reduces discoloration and heat in the material. Designed for rapid stock removal, they dramatically outlast traditional zirconia resin fiber discs. Ideal for grinding and sanding metal, stainless steel and many other ferrous metals. These discs have a high zirconia grain concentration with a specialty resin bond, which accounts for their superior performance.

ADDITIONAL PRODUCTS



CONFIGURATIONS

SIZE RANGE 4-1/2"; 5"; 7"; 9-1/4"

GRIT RANGE 16; 24; 36; 40; 50; 60; 80; 100; 120

ABRASIVE GRAIN Ceramic Alumina; Aluminum Oxide; Zirconia Alumina

ATTACHMENT Arbor Hole; Quick-Lock

REQUIRED HOLDER Backing Pad

BACKING MATERIAL Heavy Duty Vulcanized Fiber

MACHINE Angle Grinder

FEATURES & BENEFITS

- Designed for rapid stock removal on heavy duty applications.
- Contains added grinding aid for cooler cutting for a longer life for your disc.
- Designed for rapid stock removal.
- Contaminant-free, Iron Sulfur and Chlorine less than .1%, won't rust stainless steel.
- Holds up under high temperature and extreme pressures.
- Provides a good cut rate-to-cost ratio.
- Less pressure needed but still leaves a consistent finish with less operator fatigue.

RESIN FIBER DISCS VS. GRINDING WHEELS & SANDING DISCS

Sometimes it can be hard to choose which product to use. Here, we break down the benefits of using a resin fiber disc and compare them to grinding wheels and Sanding Discs.



RESIN FIBER DISCS VS. GRINDING WHEELS

LONGEVITY: Sealed front and back to maintain moisture content of the fibre, extending shelf life even under extreme atmospheric changes.

CONSISTENCY: Resin fiber discs leave a fine and uniform scratch pattern compared to a grinding disc and will never leave accidental gouges.

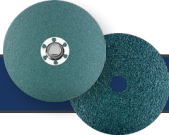
QUALITY: With their heavy-duty, resin-bonded backing, these discs are designed to confront any challenge for any metalworking application, as grinding wheels are more limited without flexibility.

RESIN FIBER DISCS VS. SANDING DISCS

LONGEVITY: Resin fibers have a longer work life than sanding discs due to a hard coating strength, making for far less change-outs than a sanding disc.

FINISH: With a thicker, stronger backing than a sanding disc, the resin fiber will give a more consistent, even finish, no matter the grit size.

PERFORMANCE: The resin bond and polycotton back allows the discs to achieve maximum cutting capacity, strong edge strength, and long lasting life by providing a low stretch, high strength material.



PROFESSIONAL SERIES - STANDARD & QUICK LOCK; ZIRCONIA ALUMINA W/ GRINDING AID

ABRASIVE GRAIN

ZIRCONIA
ALUMINA

ATTACHMENT

QUICK
LOCK

BACKING PAD IS NECESSARY

SPIRAL
COOLED

SMOOTH
FACE

PERFORMANCE

PRO
PROFESSIONAL
SERIES

MACHINE TYPE

ANGLE
GRINDER

PROFESSIONAL SERIES - STANDARD & QUICK LOCK; ZIRCONIA ALUMINA W/ GRINDING AID						
SIZE	GRIT	STOCK STATUS	STANDARD	MSRP	QUICK LOCK	MSRP
4 x 5/8"	24	Stock	21401	\$1.01	21501	\$1.41
	36	Stock	21402	\$0.91	21502	\$1.31
	40	Stock	21403	\$0.90	21503	\$1.30
	50	Stock	21404	\$0.89	21504	\$1.29
	60	Stock	21405	\$0.84	21505	\$1.24
	80	Stock	21406	\$0.81	21506	\$1.21
	100	Stock	21407	\$0.77	21507	\$1.17
	120	Stock	21408	\$0.77	21508	\$1.17
4.5 x 7/8"	24	Stock	21411	\$1.17	21511	\$1.57
	36	Stock	21412	\$1.06	21512	\$1.46
	40	Stock	21413	\$1.03	21513	\$1.43
	50	Stock	21414	\$1.03	21514	\$1.43
	60	Stock	21415	\$0.98	21515	\$1.38
	80	Stock	21416	\$0.94	21516	\$1.34
	100	Stock	21417	\$0.91	21517	\$1.31
	120	Stock	21418	\$0.91	21518	\$1.31
5 x 7/8"	24	Stock	21421	\$1.40	21521	\$1.80
	36	Stock	21422	\$1.25	21522	\$1.65
	40	Stock	21423	\$1.24	21523	\$1.64
	50	Stock	21424	\$1.21	21524	\$1.61
	60	Stock	21425	\$1.15	21525	\$1.55
	80	Stock	21426	\$1.11	21526	\$1.51
	100	Stock	21427	\$1.08	21527	\$1.48
	120	Stock	21428	\$1.08	21528	\$1.48

PROFESSIONAL SERIES - STANDARD & QUICK LOCK; ZIRCONIA ALUMINA W/ GRINDING AID						
SIZE	GRIT	STOCK STATUS	STANDARD	MSRP	QUICK LOCK	MSRP
7 x 7/8"	24	Stock	21441	\$2.39	21541	\$2.79
	36	Stock	21442	\$2.23	21542	\$2.63
	40	Stock	21443	\$2.19	21543	\$2.59
	50	Stock	21444	\$2.15	21544	\$2.55
	60	Stock	21445	\$2.04	21545	\$2.44
	80	Stock	21446	\$1.96	21546	\$2.36
	100	Stock	21447	\$1.94	21547	\$2.34
	120	Stock	21448	\$1.94	21548	\$2.34
9.25 x 7/8"	24	Stock	21451	\$4.97	21551	\$5.37
	36	Stock	21452	\$4.33	21552	\$4.73
	40	Stock	21453	\$4.27	21553	\$4.67
	50	Stock	21454	\$4.21	21554	\$4.61
	60	Stock	21455	\$3.97	21555	\$4.37
	80	Stock	21456	\$3.90	21556	\$4.29
	100	Stock	21457	\$3.85	21557	\$4.25
	120	Stock	21458	\$3.85	21558	\$4.25

MORE CONFIGURATIONS THAN ANYONE

In addition to Premium Performance Zirconia Alumina, we also offer Ceramic Alumina & Ceramic Alumina Plus, Aluminum Oxide, and Spiral Cooled & Smooth Face Backing Pads. If you do not see a material or configuration, please contact us to discuss a specialty make. If you'd like to know about other materials or products, please contact us for more information.





PROFESSIONAL SERIES RESIN FIBER DISCS

Resin Fiber Discs are thin, but strong. Their multi-layer, heavy duty vulcanized backing keeps it tough, and is then coated with a resin bond that increases load resistance and glazing over. Used with a backup pad, they can be aggressive with a high stock removal while keeping a cool cut. They are ideal for removing rust, paint, and deburring, but also can be used for light applications such as surface sanding and polishing.

ALUMINUM OXIDE W/ GRINDING AID

Aluminum Oxide Resin Fiber Discs offer a very hard and tough grain. They are a universal grain for grinding ferrous metals, iron, steel and sheet metals. They are manufactured using premium VSM aluminum oxide materials. These discs are a very economical resin fiber disc and come in the widest array of grits and configurations.

ADDITIONAL PRODUCTS



CONFIGURATIONS

SIZE RANGE 4-1/2"; 5"; 7"; 9-1/4"

GRIT RANGE 16; 24; 36; 40; 50; 60; 80; 100; 120

ABRASIVE GRAIN Ceramic Alumina; Aluminum Oxide; Zirconia Alumina

ATTACHMENT Arbor Hole; Quick-Lock

REQUIRED HOLDER Backing Pad

BACKING MATERIAL Heavy Duty Vulcanized Fiber

MACHINE Angle Grinder

FEATURES & BENEFITS

- Universal grain for grinding ferrous metals, iron, steel and sheet metals.
- Manufactured using premium VSM Aluminum Oxide materials
- Very economical Resin Fiber Disc.
- Offered in the widest array of grits and configurations.
- Used for general purpose jobs.
- Very cost effective for the smaller jobs.
- An exceptional grinding result even when used with light pressure.

RESIN FIBER DISCS VS. GRINDING WHEELS & SANDING DISCS

Sometimes it can be hard to choose which product to use. Here, we break down the benefits of using a resin fiber disc and compare them to grinding wheels and Sanding Discs.

RESIN FIBER DISCS VS. GRINDING WHEELS

LONGEVITY: Sealed front and back to maintain moisture content of the fibre, extending shelf life even under extreme atmospheric changes.

CONSISTENCY: Resin fiber discs leave a fine and uniform scratch pattern compared to a grinding disc and will never leave accidental gouges.

QUALITY: With their heavy-duty, resin-bonded backing, these discs are designed to confront any challenge for any metalworking application, as grinding wheels are more limited without flexibility.

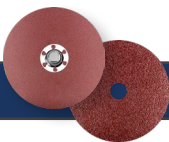


RESIN FIBER DISCS VS. SANDING DISCS

LONGEVITY: Resin fibers have a longer work life than sanding discs due to a hard coating strength, making for far less change-outs than a sanding disc.

FINISH: With a thicker, stronger backing than a sanding disc, the resin fiber will give a more consistent, even finish, no matter the grit size.

PERFORMANCE: The resin bond and polycotton back allows the discs to achieve maximum cutting capacity, strong edge strength, and long lasting life by providing a low stretch, high strength material.



PROFESSIONAL SERIES - STANDARD & QUICK LOCK; ALUMINUM OXIDE W/ GRINDING AID

ABRASIVE GRAIN

ATTACHMENT

BACKING PAD IS NECESSARY

PERFORMANCE

MACHINE TYPE

ALUMINUM
OXIDE

QUICK
LOCK

SPIRAL
COOLED

SMOOTH
FACE

PRO
PROFESSIONAL
SERIES

ANGLE
GRINDER

PROFESSIONAL SERIES - STANDARD & QUICK LOCK; ALUMINUM OXIDE W/ GRINDING AID						
SIZE	GRIT	STOCK STATUS	STANDARD	MSRP	QUICK LOCK	MSRP
4 x 5/8"	16	Stock	20400	\$0.87	20500	\$1.27
	24	Stock	20401	\$0.86	20501	\$1.26
	36	Stock	20402	\$0.80	20502	\$1.20
	40	Stock	20403	\$0.79	20503	\$1.19
	50	Stock	20404	\$0.79	20504	\$1.19
	60	Stock	20405	\$0.76	20505	\$1.16
	80	Stock	20406	\$0.74	20506	\$1.14
	100	Stock	20407	\$0.70	20507	\$1.10
	120	Stock	20408	\$0.70	20508	\$1.10
4.5 x 7/8"	16	Stock	20410	\$0.89	20510	\$1.29
	24	Stock	20411	\$0.87	20511	\$1.27
	36	Stock	20412	\$0.81	20512	\$1.21
	40	Stock	20413	\$0.81	20513	\$1.21
	50	Stock	20414	\$0.80	20514	\$1.20
	60	Stock	20415	\$0.77	20515	\$1.17
	80	Stock	20416	\$0.75	20516	\$1.15
	100	Stock	20417	\$0.71	20517	\$1.11
	120	Stock	20418	\$0.71	20518	\$1.11
5 x 7/8"	16	Stock	20420	\$1.05	20520	\$1.45
	24	Stock	20421	\$1.01	20521	\$1.41
	36	Stock	20422	\$0.97	20522	\$1.37
	40	Stock	20423	\$0.94	20523	\$1.34
	50	Stock	20424	\$0.92	20524	\$1.32
	60	Stock	20425	\$0.88	20525	\$1.28
	80	Stock	20426	\$0.87	20526	\$1.27
	100	Stock	20427	\$0.82	20527	\$1.22
	120	Stock	20428	\$0.82	20528	\$1.22

PROFESSIONAL SERIES - STANDARD & QUICK LOCK; ALUMINUM OXIDE W/ GRINDING AID						
SIZE	GRIT	STOCK STATUS	STANDARD	MSRP	QUICK LOCK	MSRP
7 x 7/8"	16	Stock	20440	\$1.73	20540	\$2.13
	24	Stock	20441	\$1.70	20541	\$2.10
	36	Stock	20442	\$1.58	20542	\$1.98
	40	Stock	20443	\$1.57	20543	\$1.97
	50	Stock	20444	\$1.55	20544	\$1.95
	60	Stock	20445	\$1.48	20545	\$1.88
	80	Stock	20446	\$1.43	20546	\$1.83
	100	Stock	20447	\$1.35	20547	\$1.75
	120	Stock	20448	\$1.35	20548	\$1.75
9.25 x 7/8"	16	Stock	20450	\$3.65	20550	\$4.05
	24	Stock	20451	\$3.54	20551	\$3.94
	36	Stock	20452	\$3.40	20552	\$3.80
	40	Stock	20453	\$3.37	20553	\$3.77
	50	Stock	20454	\$3.30	20554	\$3.70
	60	Stock	20455	\$3.19	20555	\$3.59
	80	Stock	20456	\$3.09	20556	\$3.49
	100	Stock	20457	\$2.95	20557	\$3.35
	120	Stock	20458	\$2.95	20558	\$3.35



Our flap discs are versatile grinding and finishing tools, consisting of three main components: a backing plate, adhesive, and abrasive cloth flaps. The rectangular flaps are overlapped and glued to the backing plate.

Elite Abrasives offers Flap Discs in Ceramic Alumina, Zirconia Alumina, Zirconia Alumina for Stainless, Aluminum Oxide, Flap Discs For Aluminum, and Silicon Carbide. Additionally, we offer Trimmable, Fillet Weld, and Quick Change Flap Discs.

COATED FLAP DISCS





SURFACE CONDITIONING FLAP DISCS

PROFESSIONAL SERIES - ARBOR HOLE & THREADED HUB; TYPE 27 & 29; STANDARD & HEAVY DUTY



PROFESSIONAL SERIES SURFACE CONDITIONING FLAP DISCS

Surface Conditioning Discs offer a continuous and controlled finish with minimal material removal. They will not give accidental gouges in your workpiece. Surface Conditioning Discs are safer to operate than a wire wheel or brush, as this will not have any chips flying off. Our It consists of a long life, high flexibility range, and a consistent finish while still having an aggressive performance. These discs condition, clean, and finish work piece and produce a brushed or lightly grained finish.

CERAMIC ALUMINA, ALUMINUM OXIDE, & SILICON CARBIDE

Heavy Duty Ceramic discs are ideal for tougher applications when standard discs rip apart. They have up to 2 times life and are optimal for aggressive material removal. They run cooler and reduce heat build up. Aluminum Oxide abrasive material is popular for universal use and is used on a wide range of materials because of its versatility, toughness and value. Silicon carbide is commonly used for low-pressure applications and is very sharp. It breaks down faster than aluminum oxide but has a superior finish.

CONFIGURATIONS

SIZE RANGE 4"; 4-1/2"; 5"; 6"; 7"

GRADE Coarse; Medium; Fine; V Fine; U Fine

ABRASIVE GRAIN Ceramic; Aluminum Oxide; Silicon Carbide

ATTACHMENT Arbor Hole; Threaded Hub

DISC SHAPE Type 27; Type 29

FLAP DENSITY Standard

BACKING MATERIAL Fiberglass; Plastic

MACHINE Angle Grinder

FEATURES & BENEFITS

- Conditions, cleans, and finishes without undercutting the base material.
- Layered flaps, lasts at least five times longer than regular, flat hook & loop discs.
- Material has an even three-dimensional grain distribution structure.
- Produces a brushed or light grain finish, suited for stainless steel applications.
- Combines deburring, blending, and finishing in one step for more efficiency.
- Backing plate provides a cushion for optimal blending, helps resist vibration.
- No accidental gouging.

ADDITIONAL PRODUCTS



SURFACE CONDITIONING DISCS VS. CLEAN & STRIP-IT DISCS & UNITIZED WHEELS

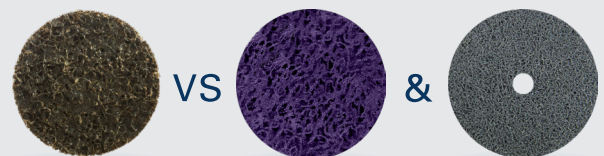
Surface Conditioning Flap Discs are made of an open nylon web, impregnated with abrasive grains. They are excellent for blending scratches after the use of coated abrasives, weld cleaning and removing oxidation.

SURFACE CONDITIONING DISCS VS. CLEAN & STRIP-IT DISCS

LONGEVITY: When the Surface Conditioning material wears down, new material is revealed.

CONSISTENCY: Surface Conditioning Discs offer a continuous and controlled finish with minimal material removal.

QUALITY: Surface Conditioning Discs have several layers of abrasive material which provide increased durability and cut rate.



SURFACE CONDITIONING DISCS VS. UNITIZED WHEELS

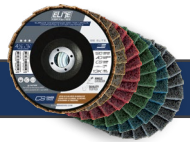
LONGEVITY: Surface Conditioning Discs are designed for flexibility, load resistance, and long life.

FINISH: Surface Conditioning Discs offer a paintable finish in less steps than Resin Fiber Discs.

PERFORMANCE: By constantly exposing new abrasive material, Surface Conditioning Discs won't load like resin fiber discs do.



SURFACE CONDITIONING FLAP DISCS



PROFESSIONAL SERIES - ARBOR HOLE & THREADED HUB; TYPE 27 & 29; STANDARD & HEAVY DUTY

CG

CERAMIC ALUMINA

AO

ALUMINUM OXIDE

SC

SILICON CARBIDE

ANGLE GRINDER

TYPE 27

TYPE 29

ARBOR HOLE

THREADED HUB

PRO

PROFESSIONAL SERIES

COARSE GRADE

MEDIUM GRADE

FINE GRADE

VERY FINE

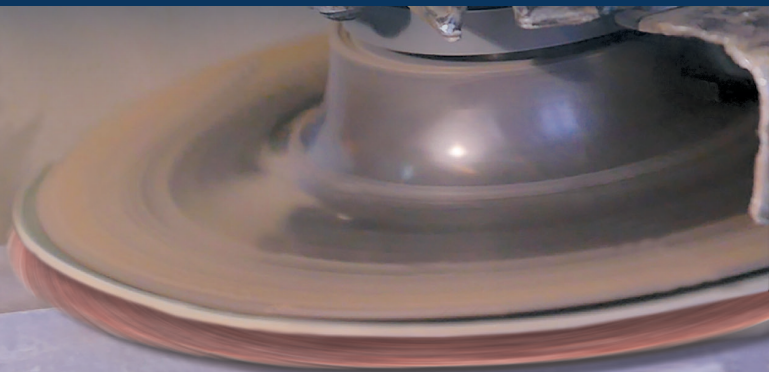
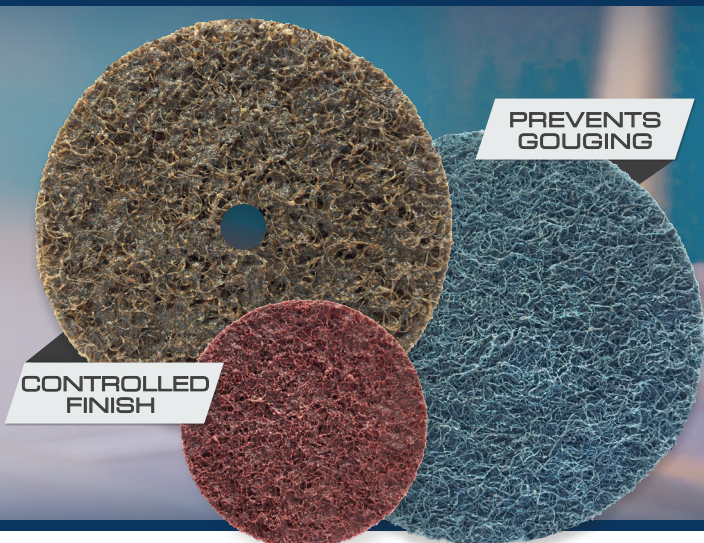
ULTRA FINE

SIZE	EFFECTIVE GRIT	GRADE/COLOR	ABRASIVE GRAIN	STOCK STATUS	T27 PT#	T29 PT#	MSRP
4 x 5/8"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	11701	11801	\$6.06
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	11702	11802	\$6.06
	220 - 280	Fine - Green	Aluminum Oxide	Stock	11703	11803	\$6.06
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	11704	11804	\$6.06
	400 - 600	Ultra Fine - Gray	Silicon Carbide	Stock	11706	11806	\$6.06
4.5 x 7/8"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	11711	11811	\$6.72
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	11712	11812	\$6.72
	220 - 280	Fine - Green	Aluminum Oxide	Stock	11713	11813	\$6.72
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	11714	11814	\$6.72
	400 - 600	Ultra Fine - Gray	Silicon Carbide	Stock	11716	11816	\$6.72
5 x 7/8"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	11721	11821	\$8.80
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	11722	11822	\$8.80
	220 - 280	Fine - Green	Aluminum Oxide	Stock	11723	11823	\$8.80
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	11724	11824	\$8.80
	400 - 600	Ultra Fine - Gray	Silicon Carbide	Stock	11726	11826	\$8.80
6 x 7/8"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	11731	11831	\$9.62
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	11732	11832	\$9.62
	220 - 280	Fine - Green	Aluminum Oxide	Stock	11733	11833	\$9.62
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	11734	11834	\$9.62
	400 - 600	Ultra Fine - Gray	Silicon Carbide	Stock	11736	11836	\$9.62
7 x 7/8"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	11741	11841	\$15.78
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	11742	11842	\$15.78
	220 - 280	Fine - Green	Aluminum Oxide	Stock	11743	11843	\$15.78
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	11744	11844	\$15.78
	400 - 600	Ultra Fine - Gray	Silicon Carbide	Stock	11746	11846	\$15.78

SIZE	EFFECTIVE GRIT	GRADE/COLOR	ABRASIVE GRAIN	STOCK STATUS	T27 PT#	T29 PT#	MSRP
4 x 3/8"-24	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	11751	11851	\$7.26
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	11752	11852	\$7.26
	220 - 280	Fine - Green	Aluminum Oxide	Stock	11753	11853	\$7.26
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	11754	11854	\$7.26
	400 - 600	Ultra Fine - Gray	Silicon Carbide	Stock	11756	11856	\$7.26
4.5 x 5/8"-11	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	11761	11861	\$7.92
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	11762	11862	\$7.92
	220 - 280	Fine - Green	Aluminum Oxide	Stock	11763	11863	\$7.92
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	11764	11864	\$7.92
	400 - 600	Ultra Fine - Gray	Silicon Carbide	Stock	11766	11866	\$7.92
5 x 5/8"-11	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	11771	11871	\$10.00
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	11772	11872	\$10.00
	220 - 280	Fine - Green	Aluminum Oxide	Stock	11773	11873	\$10.00
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	11774	11874	\$10.00
	400 - 600	Ultra Fine - Gray	Silicon Carbide	Stock	11776	11876	\$10.00
6 x 5/8"-11	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	11781	11881	\$10.82
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	11782	11882	\$10.82
	220 - 280	Fine - Green	Aluminum Oxide	Stock	11783	11883	\$10.82
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	11784	11884	\$10.82
	400 - 600	Ultra Fine - Gray	Silicon Carbide	Stock	11786	11886	\$10.82
7 x 5/8"-11	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	11791	11891	\$17.38
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	11792	11892	\$17.38
	220 - 280	Fine - Green	Aluminum Oxide	Stock	11793	11893	\$17.38
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	11794	11894	\$17.38
	400 - 600	Ultra Fine - Gray	Silicon Carbide	Stock	11796	11896	\$17.38

SIZE	EFFECTIVE GRIT	GRADE/COLOR	ABRASIVE GRAIN	STOCK STATUS	T27 PT#	T29 PT#	MSRP
4 x 5/8"	100 - 120	Coarse - Brown	Ceramic Alumina	Stock	11701	11801	\$6.90
	150 - 180	Medium - Maroon	Ceramic Alumina	Stock	11702	11802	\$6.90
4.5 x 7/8"	100 - 120	Coarse - Brown	Ceramic Alumina	Stock	11711	11811	\$7.68
	150 - 180	Medium - Maroon	Ceramic Alumina	Stock	11712	11812	\$7.68
5 x 7/8"	100 - 120	Coarse - Brown	Ceramic Alumina	Stock	11721	11821	\$10.06
	150 - 180	Medium - Maroon	Ceramic Alumina	Stock	11722	11822	\$10.06
6 x 7/8"	100 - 120	Coarse - Brown	Ceramic Alumina	Stock	11731	11831	\$11.04
	150 - 180	Medium - Maroon	Ceramic Alumina	Stock	11732	11832	\$11.04
7 x 7/8"	100 - 120	Coarse - Brown	Ceramic Alumina	Stock	11741	11841	\$18.04
	150 - 180	Medium - Maroon	Ceramic Alumina	Stock	11742	11842	\$18.04

SIZE	EFFECTIVE GRIT	GRADE/COLOR	ABRASIVE GRAIN	STOCK STATUS	T27 PT#	T29 PT#	MSRP
4 x 3/8"-24	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	11757	11857	\$8.10
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	11758	11858	\$8.10
4.5 x 5/8"-11	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	11767	11867	\$8.88
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	11768	11868	\$8.88
5 x 5/8"-11	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	11777	11877	\$11.26
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	11778	11878	\$11.26
6 x 5/8"-11	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	11787	11887	\$12.24
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	11788	11888	\$12.24
7 x 5/8"-11	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	11797	11897	\$19.64
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	11798	11898	\$19.64



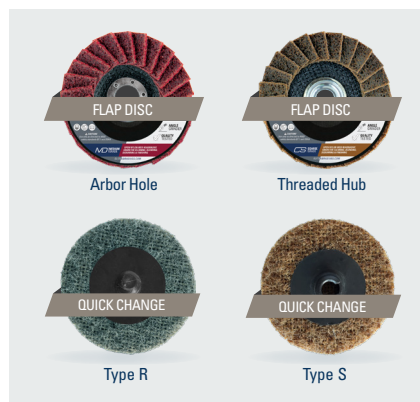
PROFESSIONAL SERIES SURFACE CONDITIONING DISCS

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CERAMIC ALUMINA & ALUMINUM OXIDE

Heavy Duty Ceramic discs are ideal for tougher applications when standard discs rip apart. They have up to 2 times life and are optimal for aggressive material removal. Ceramic discs have self sharpening grains which result in a consistent finish and provide steady, consistent sharp edges throughout the life of the disc. They run cooler and reduce heat build up. Standard Duty Aluminum Oxide abrasive material is popular for universal use and is used on a wide range of materials because of its versatility, toughness and value.

ADDITIONAL PRODUCTS



CONFIGURATIONS

SIZE RANGE Solid: 1-1/2"; 2"; 3"; 4"; 5"; 6"; 7"; 8"
Arbor Hole: 4"; 4-1/2"; 5"; 6"; 7"; 8"

GRADE Coarse; Medium; Very Fine

DUTY Standard; Heavy

ABRASIVE GRAIN Ceramic Alumina & Aluminum Oxide

ATTACHMENT Solid: Hook & Loop
Arbor Hole: Hook & Loop; Nut

MACHINE Angle/Die Grinder; Orbital Sander

FEATURES & BENEFITS

- Conditions, cleans, and finishes without undercutting the base material.
- Offers a continuous and controlled finish with minimal material removal.
- Material has an even three-dimensional grain distribution structure.
- Produces a brushed or light grain finish, suited for stainless steel applications.
- Combines deburring, blending, and finishing in one step for more efficiency.
- Specifically designed for a longer life span, changing less discs.
- Resists loading and runs cool.

SURFACE CONDITIONING DISCS VS. CLEAN & STRIP-IT DISCS & UNITIZED WHEELS

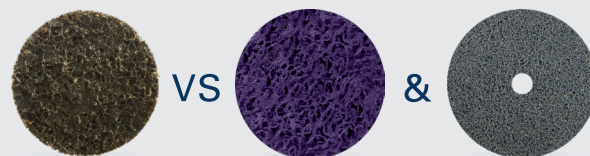
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SURFACE CONDITIONING DISCS VS. CLEAN & STRIP-IT DISCS

LONGEVITY: When the Surface Conditioning material wears down, new material is revealed.

CONSISTENCY: Surface Conditioning Discs offer a continuous and controlled finish with minimal material removal.

QUALITY: Surface Conditioning Discs have several layers of abrasive material which provide increased durability and cut rate.



SURFACE CONDITIONING DISCS VS. UNITIZED WHEELS

LONGEVITY: Surface Conditioning Discs are designed for flexibility, load resistance, and long life.

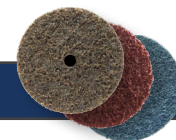
FINISH: Surface Conditioning Discs offer a paintable finish in less steps than Resin Fiber Discs.

PERFORMANCE: By constantly exposing new abrasive material, Surface Conditioning Discs won't load like resin fiber discs do.



HOOK & LOOP SURFACE CONDITIONING DISCS

PROFESSIONAL SERIES - *SOLID & ARBOR HOLE; COARSE, MEDIUM, & VERY FINE; STANDARD & HEAVY DUTY*



ABRASIVE GRAIN
CG CERAMIC ALUMINA
AO ALUMINUM OXIDE
SC SILICON CARBIDE

MACHINE TYPE
 ANGLE GRINDER
 DIE GRINDER

BACKING PAD IS NECESSARY
 SPIRAL COOLED
 SMOOTH FACE

PERFORMANCE
PRO PROFESSIONAL SERIES

GRADE / COLOR
 COARSE GRADE
 MEDIUM GRADE
 VERY FINE

PROFESSIONAL SERIES - *SOLID; COARSE & MEDIUM; HEAVY DUTY; CERAMIC ALUMINA*

SIZE	EFFECTIVE GRIT	GRADE/COLOR	ABRASIVE GRAIN	STOCK STATUS	PART#	MSRP
1.5"	80 - 100	Coarse - Brown	Ceramic Alumina	Make	62307	\$0.75
	100 - 150	Medium - Maroon	Ceramic Alumina	Make	62308	\$0.74
2"	80 - 100	Coarse - Brown	Ceramic Alumina	Make	62317	\$1.10
	100 - 150	Medium - Maroon	Ceramic Alumina	Make	62318	\$1.09
3"	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	62327	\$2.13
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	62328	\$2.13
4"	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	62337	\$3.49
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	62338	\$3.49
4.5"	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	62347	\$4.10
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	62348	\$3.99
5"	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	62357	\$4.79
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	62358	\$4.39
6"	80 - 100	Coarse - Brown	Ceramic Alumina	Make	62367	\$6.91
	100 - 150	Medium - Maroon	Ceramic Alumina	Make	62368	\$6.79
7"	80 - 100	Coarse - Brown	Ceramic Alumina	Make	62377	\$8.11
	100 - 150	Medium - Maroon	Ceramic Alumina	Make	62378	\$7.66
8"	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	62387	\$10.23
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	62388	\$10.02

PROFESSIONAL SERIES - *ARBOR HOLE; COARSE & MEDIUM; HEAVY DUTY; CERAMIC ALUMINA*

SIZE	EFFECTIVE GRIT	GRADE/COLOR	ABRASIVE GRAIN	STOCK STATUS	PART#	MSRP
4 x 5/8"	80 - 100	Coarse - Brown	Ceramic Alumina	Make	62407	\$3.49
	100 - 150	Medium - Maroon	Ceramic Alumina	Make	62408	\$3.49
4.5 x 7/8"	80 - 100	Coarse - Brown	Ceramic Alumina	Make	62417	\$4.10
	100 - 150	Medium - Maroon	Ceramic Alumina	Make	62418	\$3.99
5 x 7/8"	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	62427	\$4.79
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	62428	\$4.39
6 x 7/8"	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	62437	\$6.91
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	62438	\$6.79
7 x 7/8"	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	62447	\$8.11
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	62448	\$7.66
8 x 7/8"	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	62457	\$10.23
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	62458	\$10.02

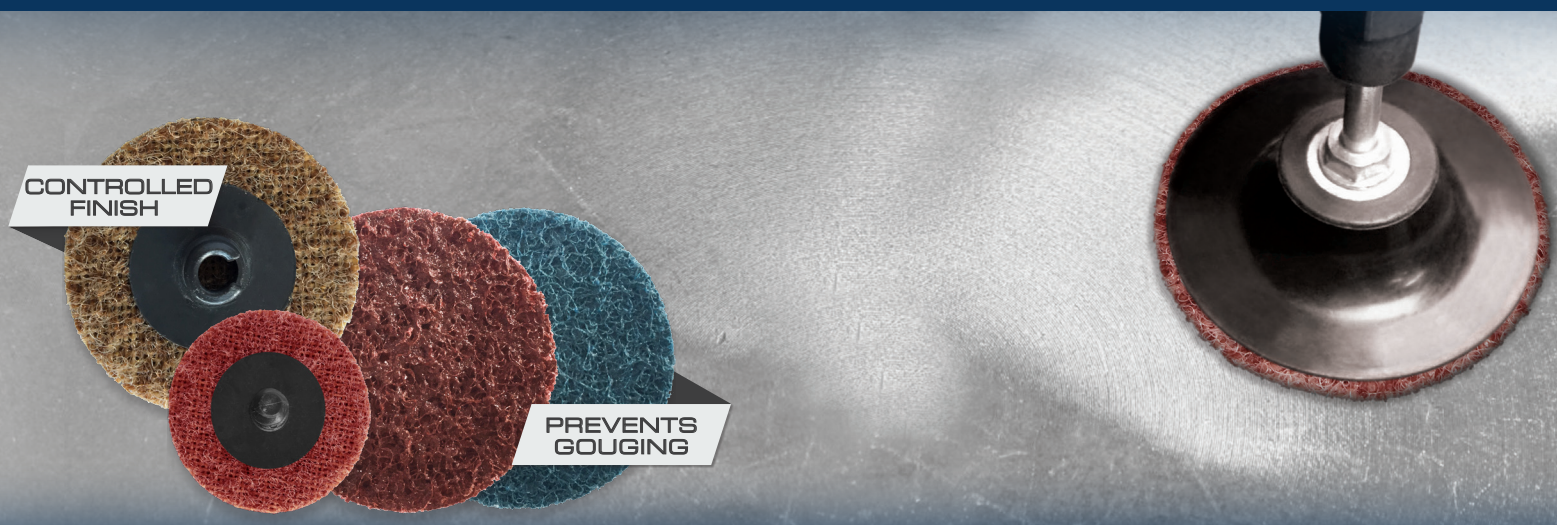
★ PROUDLY MADE IN AMERICA ★

PROFESSIONAL SERIES - *SOLID; COARSE, MEDIUM, & VERY FINE; STANDARD DUTY; ALUMINUM OXIDE*

SIZE	EFFECTIVE GRIT	GRADE/COLOR	ABRASIVE GRAIN	STOCK STATUS	PART#	MSRP
1.5"	100 - 120	Coarse - Brown	Aluminum Oxide	Make	62301	\$0.68
	150 - 180	Medium - Maroon	Aluminum Oxide	Make	62302	\$0.65
	320 - 360	Very Fine - Blue	Aluminum Oxide	Make	62304	\$0.65
2"	100 - 120	Coarse - Brown	Aluminum Oxide	Make	62311	\$0.97
	150 - 180	Medium - Maroon	Aluminum Oxide	Make	62312	\$0.93
	320 - 360	Very Fine - Blue	Aluminum Oxide	Make	62314	\$0.93
3"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	62321	\$1.83
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	62322	\$1.77
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	62324	\$1.77
4"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	62331	\$2.99
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	62332	\$2.83
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	62334	\$2.83
4.5"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	62341	\$3.49
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	62342	\$3.36
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	62344	\$3.36
5"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	62351	\$3.99
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	62352	\$3.38
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	62354	\$3.38
6"	100 - 120	Coarse - Brown	Aluminum Oxide	Make	62361	\$5.65
	150 - 180	Medium - Maroon	Aluminum Oxide	Make	62362	\$5.33
	320 - 360	Very Fine - Blue	Aluminum Oxide	Make	62364	\$5.33
7"	100 - 120	Coarse - Brown	Aluminum Oxide	Make	62371	\$6.67
	150 - 180	Medium - Maroon	Aluminum Oxide	Make	62372	\$6.05
	320 - 360	Very Fine - Blue	Aluminum Oxide	Make	62374	\$6.05
8"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	62381	\$8.58
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	62382	\$8.10
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	62384	\$8.10

PROFESSIONAL SERIES - *ARBOR HOLE; COARSE, MEDIUM, & VERY FINE; STANDARD DUTY; ALUMINUM OXIDE*

SIZE	EFFECTIVE GRIT	GRADE/COLOR	ABRASIVE GRAIN	STOCK STATUS	PART#	MSRP
4 x 5/8"	100 - 120	Coarse - Brown	Aluminum Oxide	Make	62401	\$2.99
	150 - 180	Medium - Maroon	Aluminum Oxide	Make	62402	\$2.83
	320 - 360	Very Fine - Blue	Aluminum Oxide	Make	62404	\$2.83
4.5 x 7/8"	100 - 120	Coarse - Brown	Aluminum Oxide	Make	62411	\$3.49
	150 - 180	Medium - Maroon	Aluminum Oxide	Make	62412	\$3.36
	320 - 360	Very Fine - Blue	Aluminum Oxide	Make	62414	\$3.36
5 x 7/8"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	62421	\$3.99
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	62422	\$3.38
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	62424	\$3.38
6 x 7/8"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	62431	\$5.65
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	62432	\$5.33
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	62434	\$5.33
7 x 7/8"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	62441	\$6.67
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	62442	\$6.05
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	62444	\$6.05
8 x 7/8"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	62451	\$8.58
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	62452	\$8.10
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	62454	\$8.10



PROFESSIONAL SERIES SURFACE CONDITIONING DISCS

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CERAMIC ALUMINA & ALUMINUM OXIDE

Heavy Duty Ceramic discs are ideal for tougher applications when standard discs rip apart. They have up to 2 times life and are optimal for aggressive material removal. Ceramic discs have self sharpening grains which result in a consistent finish and provide steady, consistent sharp edges throughout the life of the disc. They run cooler and reduce heat build up. Standard Duty Aluminum Oxide abrasive material is popular for universal use and is used on a wide range of materials because of its versatility, toughness and value.

ADDITIONAL PRODUCTS



CONFIGURATIONS

SIZE RANGE 3/4"; 1"; 1-1/2"; 2"; 3"; 4"

GRADE Coarse; Medium; Very Fine

ABRASIVE GRAIN Ceramic Alumina; Aluminum Oxide

TYPE R, S, P

ATTACHMENT Mandrel Holder

MACHINE Right Angle Grinder, Die Grinder

FEATURES & BENEFITS

- Conditions, cleans, and finishes without undercutting the base material.
- Offers a continuous and controlled finish with minimal material removal.
- Material has an even three-dimensional grain distribution structure.
- Produces a brushed or light grain finish, suited for stainless steel applications.
- Combines deburring, blending, and finishing in one step for more efficiency.
- Specifically designed for a longer life span, changing less discs.
- Resists loading and runs cool.

SURFACE CONDITIONING DISCS VS. CLEAN & STRIP-IT DISCS & UNITIZED WHEELS

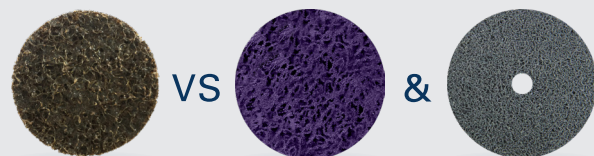
Surface Conditioning Flap Discs are made of an open nylon web, impregnated with abrasive grains. They are excellent for blending scratches after the use of coated abrasives, weld cleaning and removing oxidation.

SURFACE CONDITIONING DISCS VS. CLEAN & STRIP-IT DISCS

LONGEVITY: When the Surface Conditioning material wears down, new material is revealed.

CONSISTENCY: Surface Conditioning Discs offer a continuous and controlled finish with minimal material removal.

QUALITY: Surface Conditioning Discs have several layers of abrasive material which provide increased durability and cut rate.



SURFACE CONDITIONING DISCS VS. UNITIZED WHEELS

LONGEVITY: Surface Conditioning Discs are designed for flexibility, load resistance, and long life.

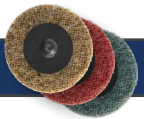
FINISH: Surface Conditioning Discs offer a paintable finish in less steps than Resin Fiber Discs.

PERFORMANCE: By constantly exposing new abrasive material, Surface Conditioning Discs won't load like resin fiber discs do.



QUICK CHANGE SURFACE CONDITIONING DISCS

PROFESSIONAL SERIES - TYPE R & S; COARSE, MEDIUM, & VERY FINE; STANDARD & HEAVY DUTY



ABRASIVE GRAIN

ALUMINUM OXIDE

CERAMIC ALUMINA

MACHINE TYPE

DIE GRINDER

MANDREL DISC HOLDER

ATTACHMENT TYPES

TYPE R

TYPE S

PERFORMANCE

PRO

PROFESSIONAL SERIES

GRADE / COLOR

COARSE

MEDIUM

VERY FINE

PROFESSIONAL SERIES - TYPE R & S; COARSE, MEDIUM, & VERY FINE; STANDARD & HEAVY DUTY							
SIZE	EFFECTIVE GRIT	GRADE/COLOR	ABRASIVE GRAIN	STOCK STATUS	TYPE R PART#	TYPE S PART#	MSRP
3/4"	100 - 120	Coarse - Brown	Aluminum Oxide	Make	62001	62101	\$0.42
	150 - 180	Medium - Maroon	Aluminum Oxide	Make	62002	62102	\$0.42
	320 - 360	Very Fine - Blue	Aluminum Oxide	Make	62004	62104	\$0.42
1"	100 - 120	Coarse - Brown	Aluminum Oxide	Make	62011	62111	\$0.48
	150 - 180	Medium - Maroon	Aluminum Oxide	Make	62012	62112	\$0.48
	320 - 360	Very Fine - Blue	Aluminum Oxide	Make	62014	62114	\$0.48
1.5"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	62021	62121	\$0.68
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	62022	62122	\$0.65
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	62024	62124	\$0.65
2"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	62031	62131	\$0.97
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	62032	62132	\$0.93
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	62034	62134	\$0.93
3"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	62041	62141	\$1.64
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	62042	62142	\$1.59
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	62044	62144	\$1.59
4"	100 - 120	Coarse - Brown	Aluminum Oxide	Stock	62051	62151	\$3.11
	150 - 180	Medium - Maroon	Aluminum Oxide	Stock	62052	62152	\$2.95
	320 - 360	Very Fine - Blue	Aluminum Oxide	Stock	62054	62154	\$2.95

PROFESSIONAL SERIES - TYPE R & S; COARSE, MEDIUM, & VERY FINE; STANDARD & HEAVY DUTY							
SIZE	EFFECTIVE GRIT	GRADE/COLOR	ABRASIVE GRAIN	STOCK STATUS	TYPE R PART#	TYPE S PART#	MSRP
3/4"	80 - 100	Coarse - Brown	Ceramic Alumina	Make	62007	62107	\$0.45
	100 - 150	Medium - Maroon	Ceramic Alumina	Make	62008	62108	\$0.45
1"	80 - 100	Coarse - Brown	Ceramic Alumina	Make	62017	62117	\$0.53
	100 - 150	Medium - Maroon	Ceramic Alumina	Make	62018	62118	\$0.53
1.5"	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	62027	62127	\$0.75
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	62028	62128	\$0.74
2"	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	62037	62137	\$1.10
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	62038	62138	\$1.09
3"	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	62047	62147	\$1.85
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	62048	62148	\$1.83
4"	80 - 100	Coarse - Brown	Ceramic Alumina	Stock	62057	62157	\$3.75
	100 - 150	Medium - Maroon	Ceramic Alumina	Stock	62058	62158	\$3.75

★ PROUDLY MADE IN AMERICA ★

COMPARABLE PRODUCTS

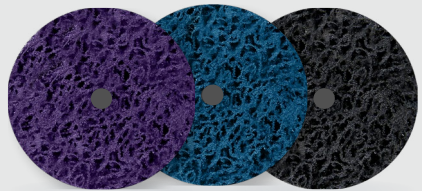
In addition to Quick Change Surface Conditioning Discs, we also offer Surface Conditioning Flap Discs, Hook and Loop Arbor Hole & Solid Surface Conditioning Discs, and Arbor Hole Clean & Strip-It discs. If you do not see a material or configuration, please contact us to discuss a specialty make.



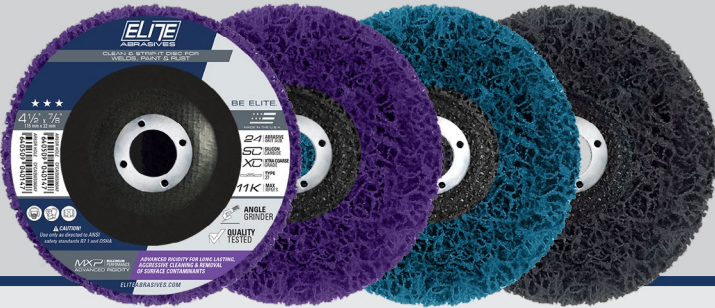
SURFACE CONDITIONING FLAP DISCS



HOOK & LOOP ARBOR HOLE & SOLID SURFACE CONDITIONING DISCS



ARBOR HOLE CLEAN & STRIP-IT DISCS



Our Clean & Strip-It Discs work well on wood, metal, and fiberglass surfaces. They relentlessly remove rust, paint, seam sealers, and stone guards easily.

These discs have been known to be extremely useful due to their minimum effort required to get the job done in a timely manner. These will clean and finish in one step, which makes surface preparation quick and easy.

CLEAN & STRIP-IT DISCS





PROFESSIONAL SERIES CLEAN & STRIP-IT DISCS

Clean & Strip-It discs are made with a polyamide fleece impregnated with an extra coarse grain of silicon carbide and then strengthened with a resin coating. The open-web structure allows heat to escape and run cooler, leaving no change in the workpiece's shape or color. The open webbing also discourages loading, which preserves the life of the disc. The spring-like nature of the fibers respond to contours and effectively removes unwanted burrs, soils, and contaminants without gouging. This reduces extra time to rework the piece and boosts your productivity all around. Clean & Strip-It discs are safer than wire brushes because the discs are made from polyfibers, and this reduces the risk of creating flying metal chips which could potentially cause injury.

SILICON CARBIDE

Silicon carbide is sharper than other abrasive materials. When in use, the nylon fibers break down continuously, revealing fresh mineral for on-going, sharp cutting which wears evenly throughout its life.

CONFIGURATIONS

SIZE RANGE	4"; 4-1/2"; 5"; 6"; 7"
GRADE	Extra Coarse
RIGIDITY	Standard; Increased; Advanced
PERFORMANCE	Standard; Enhanced; Maximum
ABRASIVE GRAIN	Silicon Carbide
ATTACHMENT	Arbor Hole; Threaded Hub
DISC SHAPE	Type 27
BACKING MATERIAL	Fiberglass; Plastic
MACHINE	Angle Grinder

FEATURES & BENEFITS

- Self-sharpening, nylon breaks down continuously, revealing fresh, sharpened material.
- Runs cool, open-web structure allows heat to escape.
- Load resistant, open-web structure doesn't become clogged with debris.
- Removes paint, rust, and coatings quickly without compromising geometry of workpiece.
- Removes only upper layer which prevents accidental cutting or gouging.
- Has fewer safety, ergonomic, and environmental issues.
- Has fewer change-outs, which equals less downtime, and less cost per cut.
- Easy to use and require very minimal effort.

CLEAN & STRIP-IT DISCS VS. WIRE WHEELS & WIRE BRUSHES

Clean & Strip-It Discs are manufactured using a polyamide fleece impregnated with aggressive abrasive grit particles and contain a durable resin coating. They clean surfaces without material removal.

CLEAN & STRIP-IT DISCS VS. WIRE WHEELS

LONGEVITY: Clean & Strip-It Discs contain a durable resin coating, which ensures long life.

CONSISTENCY: Clean & Strip-It Discs are load and heat resistant, therefore results are consistent throughout the life of the disc.

QUALITY: Clean & Strip-It material runs cool and only removes the upper layer, which in turn prevents cutting, grinding, gouging, and prevents changing the work piece's shape and coloration.



CLEAN & STRIP-IT DISCS VS. WIRE WHEELS

LONGEVITY: Clean & Strip-Its unique open structure is designed to resist loading, which greatly increases the life of the disc.

FINISH: Clean & Strip-It Discs offers a greater surface area than wire brushes.

PERFORMANCE: Clean & Strip-It Discs clean surfaces without material removal and are a safer alternative to wire brushes.

ADDITIONAL PRODUCTS





ABRASIVE GRAIN



MACHINE TYPE



ATTACHMENT TYPES



GRADE



ATTRIBUTES



PERFORMANCE



PROFESSIONAL SERIES - ARBOR HOLE; SILICON CARBIDE; EXTRA COARSE

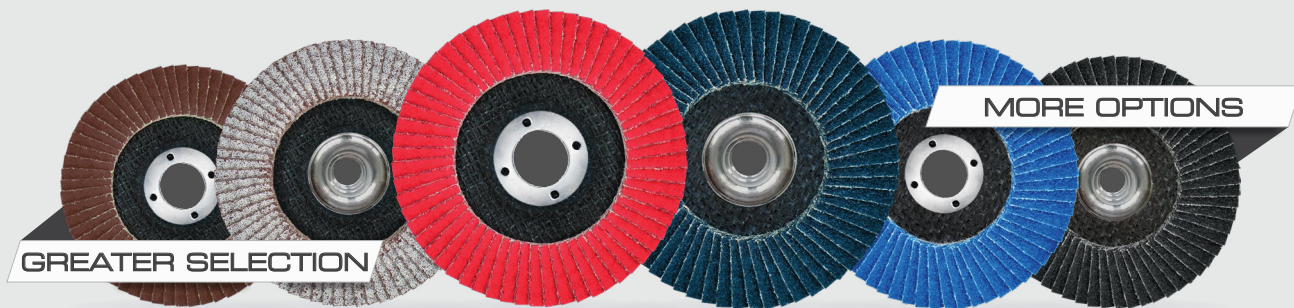
SIZE	COLOR	EFFECTIVE GRIT	RIGIDITY	PERFORMANCE	STOCK STATUS	PART#	MSRP
4 x 1/2 x 5/8"	Black	24 - 36	Standard	Standard	Stock	64900	\$6.46
	Blue	24 - 36	Increased	Enhanced	Stock	64901	\$7.07
	Purple	24 - 36	Advanced	Maximum	Stock	64902	\$7.19
4.5 x 1/2 x 7/8"	Black	24 - 36	Standard	Standard	Stock	64910	\$7.38
	Blue	24 - 36	Increased	Enhanced	Stock	64911	\$8.13
	Purple	24 - 36	Advanced	Maximum	Stock	64912	\$8.28
5 x 1/2 x 7/8"	Black	24 - 36	Standard	Standard	Stock	64920	\$9.43
	Blue	24 - 36	Increased	Enhanced	Stock	64921	\$10.45
	Purple	24 - 36	Advanced	Maximum	Stock	64922	\$10.66
6 x 1/2 x 7/8"	Black	24 - 36	Standard	Standard	Stock	64930	\$11.23
	Blue	24 - 36	Increased	Enhanced	Stock	64931	\$12.44
	Purple	24 - 36	Advanced	Maximum	Stock	64932	\$12.69
7 x 1/2 x 7/8"	Black	24 - 36	Standard	Standard	Stock	64940	\$14.51
	Blue	24 - 36	Increased	Enhanced	Stock	64941	\$16.01
	Purple	24 - 36	Advanced	Maximum	Stock	64942	\$16.35

PROFESSIONAL SERIES - THREADED HUB; SILICON CARBIDE; EXTRA COARSE

SIZE	COLOR	EFFECTIVE GRIT	RIGIDITY	PERFORMANCE	STOCK STATUS	PART#	MSRP
4 x 1/2 x 3/8"-24	Black	24 - 36	Standard	Standard	Stock	64950	\$8.86
	Blue	24 - 36	Increased	Enhanced	Stock	64951	\$9.47
	Purple	24 - 36	Advanced	Maximum	Stock	64952	\$9.59
4.5 x 1/2 x 5/8"-11	Black	24 - 36	Standard	Standard	Stock	64960	\$9.78
	Blue	24 - 36	Increased	Enhanced	Stock	64961	\$10.53
	Purple	24 - 36	Advanced	Maximum	Stock	64962	\$10.68
5 x 1/2 x 5/8"-11	Black	24 - 36	Standard	Standard	Stock	64970	\$11.83
	Blue	24 - 36	Increased	Enhanced	Stock	64971	\$12.85
	Purple	24 - 36	Advanced	Maximum	Stock	64972	\$13.06
6 x 1/2 x 5/8"-11	Black	24 - 36	Standard	Standard	Stock	64980	\$13.63
	Blue	24 - 36	Increased	Enhanced	Stock	64981	\$14.84
	Purple	24 - 36	Advanced	Maximum	Stock	64982	\$15.09
7 x 1/2 x 5/8"-11	Black	24 - 36	Standard	Standard	Stock	64990	\$17.71
	Blue	24 - 36	Increased	Enhanced	Stock	64991	\$19.21
	Purple	24 - 36	Advanced	Maximum	Stock	64992	\$19.55

MORE CONFIGURATIONS THAN ANYONE

We offer Ceramic Alumina, Zirconia Alumina, Zirconia Alumina for Stainless, Aluminum Oxide Plus, Aluminum Oxide, Silicon Carbide, and Quick Change Flap Discs. If you do not see a material or configuration, please contact us to discuss a specialty make. If you'd like to know about other materials or products, please contact your local representative or distributor for more information.





PREVENTS
GOUGING

EASY
CHANGE OUT

PROFESSIONAL SERIES CLEAN & STRIP-IT DISCS WITH ARBOR HOLE

Clean & Strip-It discs are made with a polyamide fleece impregnated with an extra coarse grain of silicon carbide and then strengthened with a resin coating. With its open-web structure, this allows heat to escape and run cooler, leaving no change in the workpiece's shape or color.

PROFESSIONAL SERIES QUICK CHANGE CLEAN & STRIP-IT DISCS

Our Quick Change Clean & Strip-It Discs offer ease of use and flexibility in tight areas and are excellent for irregular, contoured surfaces. The discs are short in width for access to small, hard-to-reach areas such as corners and deep narrow channels.

SILICON CARBIDE

Silicon carbide is sharper than other abrasive materials. When in use, the nylon fibers break down continuously, revealing fresh mineral for on-going sharp cutting, which wears evenly throughout its life.

CONFIGURATIONS

- SIZE RANGE** Arbor Hole: 3/4"; 1"; 1-1/2"; 2"; 3"; 4";
4-1/2"; 5"; 6"; 7"; 8"; 10"; 12"
Quick Change: 3/4"; 1"; 1-1/2"; 2"; 3"; 4"
- GRADE** Extra Coarse
- RIGIDITY** Standard; Increased; Advanced
- PERFORMANCE** Standard; Enhanced; Maximum
- ABRASIVE GRAIN** Silicon Carbide
- ATTACHMENT** Quick Change: Type R; Type S
- MACHINE** Die Grinder; Bench Grinder

FEATURES & BENEFITS

- Self-sharpening, nylon breaks down continuously, revealing fresh, sharpened material.
- Runs cool, open-web structure allows heat to escape.
- Load resistant, open-web structure doesn't become clogged with debris.
- Removes paint, rust, and coatings quickly without compromising geometry of workpiece.
- Removes only upper layer which prevents accidental cutting or gouging.
- Smear resistant, less steps to clean the workpiece.
- Aggressive material removal.

ADDITIONAL PRODUCTS



CLEAN & STRIP-IT DISCS VS. WIRE WHEELS & WIRE BRUSHES

Clean & Strip-It Discs are manufactured using a polyamide fleece impregnated with aggressive abrasive grit particles and contain a durable resin coating. They clean surfaces without material removal.

CLEAN & STRIP-IT DISCS VS. WIRE WHEELS

LONGEVITY: Clean & Strip-It Discs contain a durable resin coating, which ensures long life.

CONSISTENCY: Clean & Strip-It Discs are load and heat resistant, therefore results are consistent throughout the life of the disc.

QUALITY: Clean & Strip-It material runs cool and only removes the upper layer, which in turn prevents cutting, grinding, gouging, and prevents changing the work piece's shape and coloration.



CLEAN & STRIP-IT DISCS VS. WIRE WHEELS

LONGEVITY: Clean & Strip-Its unique open structure is designed to resist loading, which greatly increases the life of the disc.

FINISH: Clean & Strip-It Discs offers a greater surface area than wire brushes.

PERFORMANCE: Clean & Strip-It Discs clean surfaces without material removal and are a safer alternative to wire brushes.



ABRASIVE GRAIN



SILICON
CARBIDE

MACHINE TYPE



ANGLE
GRINDER

REQUIRED HOLDER



MANDREL
DISC HOLDER

ATTACHMENT TYPES



TYPE
R

TYPE
S

GRADE



EXTRA
COARSE

ATTRIBUTES



MAX PERFORMANCE
ADVANCED RIGIDITY



ENHANCED PERFORMANCE
INCREASED RIGIDITY



STANDARD PERFORMANCE
STANDARD RIGIDITY

PERFORMANCE



PRO
PROFESSIONAL
SERIES

PROFESSIONAL SERIES - ARBOR HOLE, SILICON CARBIDE, EXTRA COARSE

SIZE	COLOR	EFFECTIVE GRIT	RIGIDITY	PERFORMANCE	STOCK STATUS	PART#	MSRP
3/4 x 1/2 x 1/4"	Black	24 - 36	Standard	Standard	Stock	64700	\$0.41
	Blue	24 - 36	Increased	Enhanced	Stock	64701	\$0.44
	Purple	24 - 36	Advanced	Maximum	Stock	64702	\$0.45
1 x 1/2 x 1/4"	Black	24 - 36	Standard	Standard	Stock	64710	\$0.54
	Blue	24 - 36	Increased	Enhanced	Stock	64711	\$0.60
	Purple	24 - 36	Advanced	Maximum	Stock	64712	\$0.61
1.5 x 1/2 x 1/4"	Black	24 - 36	Standard	Standard	Stock	64720	\$0.99
	Blue	24 - 36	Increased	Enhanced	Stock	64721	\$1.10
	Purple	24 - 36	Advanced	Maximum	Stock	64722	\$1.13
2 x 1/2 x 1/4"	Black	24 - 36	Standard	Standard	Stock	64730	\$1.69
	Blue	24 - 36	Increased	Enhanced	Stock	64731	\$1.89
	Purple	24 - 36	Advanced	Maximum	Stock	64732	\$1.93
3 x 1/2 x 1/4"	Black	24 - 36	Standard	Standard	Stock	64740	\$3.29
	Blue	24 - 36	Increased	Enhanced	Stock	64741	\$3.74
	Purple	24 - 36	Advanced	Maximum	Stock	64742	\$3.83
4 x 1/2 x 1/4"	Black	24 - 36	Standard	Standard	Stock	64750	\$5.07
	Blue	24 - 36	Increased	Enhanced	Stock	64751	\$5.80
	Purple	24 - 36	Advanced	Maximum	Stock	64752	\$5.95
4.5 x 1/2 x 1/4"	Black	24 - 36	Standard	Standard	Stock	64760	\$6.34
	Blue	24 - 36	Increased	Enhanced	Stock	64761	\$7.26
	Purple	24 - 36	Advanced	Maximum	Stock	64762	\$7.45
5 x 1/2 x 1/4"	Black	24 - 36	Standard	Standard	Stock	64770	\$8.09
	Blue	24 - 36	Increased	Enhanced	Stock	64771	\$10.88
	Purple	24 - 36	Advanced	Maximum	Stock	64772	\$9.53
6 x 1/2 x 1/4"	Black	24 - 36	Standard	Standard	Stock	64780	\$12.50
	Blue	24 - 36	Increased	Enhanced	Stock	64781	\$14.38
	Purple	24 - 36	Advanced	Maximum	Stock	64782	\$14.76

PROFESSIONAL SERIES - ARBOR HOLE, SILICON CARBIDE, EXTRA COARSE

SIZE	COLOR	EFFECTIVE GRIT	RIGIDITY	PERFORMANCE	STOCK STATUS	PART#	MSRP
4 x 1/2 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64800	\$5.07
	Blue	24 - 36	Increased	Enhanced	Stock	64801	\$5.80
	Purple	24 - 36	Advanced	Maximum	Stock	64802	\$5.95
4.5 x 1/2 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64810	\$6.34
	Blue	24 - 36	Increased	Enhanced	Stock	64811	\$7.26
	Purple	24 - 36	Advanced	Maximum	Stock	64812	\$7.45
5 x 1/2 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64820	\$8.09
	Blue	24 - 36	Increased	Enhanced	Stock	64821	\$10.88
	Purple	24 - 36	Advanced	Maximum	Stock	64822	\$9.53
6 x 1/2 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64830	\$11.76
	Blue	24 - 36	Increased	Enhanced	Stock	64831	\$13.53
	Purple	24 - 36	Advanced	Maximum	Stock	64832	\$13.88
7 x 1/2 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64840	\$16.11
	Blue	24 - 36	Increased	Enhanced	Stock	64841	\$18.52
	Purple	24 - 36	Advanced	Maximum	Stock	64842	\$19.04
8 x 1/2 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64850	\$19.12
	Blue	24 - 36	Increased	Enhanced	Stock	64851	\$22.04
	Purple	24 - 36	Advanced	Maximum	Stock	64852	\$22.62
10 x 1/2 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64860	\$30.85
	Blue	24 - 36	Increased	Enhanced	Stock	64861	\$35.29
	Purple	24 - 36	Advanced	Maximum	Stock	64862	\$36.55
12 x 1/2 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64870	\$42.98
	Blue	24 - 36	Increased	Enhanced	Stock	64871	\$53.48
	Purple	24 - 36	Advanced	Maximum	Stock	64872	\$55.58

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COMPARABLE PRODUCTS

In addition to our Quick Change, Solid and Arbor Hole Hook & Loop Surface Conditioning Discs, we also offer Surface Conditioning Flap Discs, which are available in several grades.



SURFACE CONDITIONING FLAP DISCS



PROFESSIONAL SERIES CLEAN & STRIP-IT DISCS WITH SHANK

Clean & Strip-It discs are made with a polyamide fleece impregnated with an extra coarse grain of silicon carbide and then strengthened with a resin coating. The open-web structure allows heat to escape and run cooler, leaving no change in the workpiece's shape or color. The open webbing also discourages loading, which preserves the life of the disc. The spring-like nature of the fibers respond to contours and effectively removes unwanted burrs, soils, and contaminants without gouging. This reduces extra time to rework the piece and boosts your productivity all around. Clean & Strip-It discs are safer than wire brushes because the discs are made from polyfibers, and this reduces the risk of creating flying metal chips which could potentially cause injury.

SILICON CARBIDE

Silicon carbide is sharper than other abrasive materials. When in use, the nylon fibers break down continuously, revealing fresh mineral for on-going, sharp cutting which wears evenly throughout its life.

CONFIGURATIONS

SIZE RANGE 3/4" x 1/2" x 1/4" - 6 x 1/2" 1/4"
3/4" x 1/4 x 1/4"-20 - 6" x 1/2" x 1/4"-20
3/4" x 1" x 1/4" - 6" x 1" 1/4"
3/4" x 1 x 1/4-20 - 6" x 1" x 1/4"-20

GRADE OPTIONS Extra Coarse

ABRASIVE GRAIN Silicon Carbide

ATTACHMENT Shank

FEATURES & BENEFITS

- Self-sharpening, nylon breaks down continuously, revealing fresh, sharpened material.
- Runs cool, open-web structure allows heat to escape.
- Load resistant, open-web structure doesn't become clogged with debris.
- Removes paint, rust, and coatings quickly without compromising geometry of workpiece.
- Removes only upper layer which prevents accidental cutting or gouging.
- Has fewer safety, ergonomic, and environmental issues.
- Has fewer change-outs, which equals less downtime, and less cost per cut.

ADDITIONAL PRODUCTS



CLEAN & STRIP-IT DISCS WITH SPINDLE VS. WIRE WHEELS & WIRE BRUSHES

Clean & Strip-It Discs are manufactured using a polyamide fleece impregnated with aggressive abrasive grit particles and contain a durable resin coating. They clean surfaces without material removal.

CLEAN & STRIP-IT DISCS VS. WIRE WHEELS

LONGEVITY: Clean & Strip-It Discs contain a durable resin coating, which ensures long life.

CONSISTENCY: Clean & Strip-It Discs are load and heat resistant, therefore results are consistent throughout the life of the disc.

QUALITY: Clean & Strip-It material runs cool and only removes the upper layer, which in turn prevents cutting, grinding, gouging, and prevents changing the work pieces shape and coloration.

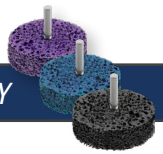


CLEAN & STRIP-IT DISCS VS. WIRE WHEELS

LONGEVITY: Clean & Strip-Its unique open structure is designed to resist loading, which greatly increases the life of the disc.

FINISH: Clean & Strip-It Discs offers a greater surface area than wire brushes.

PERFORMANCE: Clean & Strip-It Discs clean surfaces without material removal and are a safer alternative to wire brushes.



ABRASIVE GRAIN



MACHINE TYPE



GRADE



PERFORMANCE



ATTRIBUTES



MAXIMUM PERFORMANCE
ADVANCED RIGIDITY



ENHANCED PERFORMANCE
INCREASED RIGIDITY



STANDARD PERFORMANCE
STANDARD RIGIDITY

PROFESSIONAL SERIES - SILICON CARBIDE; EXTRA COARSE; STANDARD, INCREASED, & ADVANCED RIGIDITY

SIZE	COLOR	EFFECTIVE GRIT	RIGIDITY	PERFORMANCE	STOCK STATUS	1/4" SHANK	1/4"-20" SHANK	MSRP
3/4 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64300	64400	\$1.69
	Blue	24 - 36	Increased	Enhanced	Stock	64301	64401	\$1.72
	Purple	24 - 36	Advanced	Maximum	Stock	64302	64402	\$1.73
1 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64310	64410	\$1.82
	Blue	24 - 36	Increased	Enhanced	Stock	64311	64411	\$1.88
	Purple	24 - 36	Advanced	Maximum	Stock	64312	64412	\$1.89
1.5 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64320	64420	\$2.36
	Blue	24 - 36	Increased	Enhanced	Stock	64321	64421	\$2.47
	Purple	24 - 36	Advanced	Maximum	Stock	64322	64422	\$2.49
2 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64330	64430	\$2.98
	Blue	24 - 36	Increased	Enhanced	Stock	64331	64431	\$3.18
	Purple	24 - 36	Advanced	Maximum	Stock	64332	64432	\$3.22
3 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64340	64440	\$4.59
	Blue	24 - 36	Increased	Enhanced	Stock	64341	64441	\$5.04
	Purple	24 - 36	Advanced	Maximum	Stock	64342	64442	\$5.13
4 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64350	64450	\$6.96
	Blue	24 - 36	Increased	Enhanced	Stock	64351	64451	\$7.76
	Purple	24 - 36	Advanced	Maximum	Stock	64352	64452	\$7.92
4.5 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64360	64460	\$10.20
	Blue	24 - 36	Increased	Enhanced	Stock	64361	64461	\$13.26
	Purple	24 - 36	Advanced	Maximum	Stock	64362	64462	\$11.78
5 x 1/2"	Black	24 - 36	Standard	Standard	Stock	64370	64470	\$13.88
	Blue	24 - 36	Increased	Enhanced	Stock	64371	64471	\$15.76
	Purple	24 - 36	Advanced	Maximum	Stock	64372	64472	\$16.14

PROFESSIONAL SERIES - SILICON CARBIDE; EXTRA COARSE; STANDARD, INCREASED, & ADVANCED RIGIDITY

SIZE	COLOR	EFFECTIVE GRIT	RIGIDITY	PERFORMANCE	STOCK STATUS	1/4" SHANK	1/4"-20" SHANK	MSRP
3/4 x 1"	Black	24 - 36	Standard	Standard	Stock	64500	64600	\$2.70
	Blue	24 - 36	Increased	Enhanced	Stock	64501	64601	\$2.78
	Purple	24 - 36	Advanced	Maximum	Stock	64502	64602	\$2.79
1 x 1"	Black	24 - 36	Standard	Standard	Stock	64510	64610	\$3.08
	Blue	24 - 36	Increased	Enhanced	Stock	64511	64611	\$3.21
	Purple	24 - 36	Advanced	Maximum	Stock	64512	64612	\$3.24
1.5 x 1"	Black	24 - 36	Standard	Standard	Stock	64520	64620	\$4.43
	Blue	24 - 36	Increased	Enhanced	Stock	64521	64621	\$4.72
	Purple	24 - 36	Advanced	Maximum	Stock	64522	64622	\$4.78
2 x 1"	Black	24 - 36	Standard	Standard	Stock	64530	64630	\$5.76
	Blue	24 - 36	Increased	Enhanced	Stock	64531	64631	\$6.26
	Purple	24 - 36	Advanced	Maximum	Stock	64532	64632	\$6.35
3 x 1"	Black	24 - 36	Standard	Standard	Stock	64540	64640	\$6.84
	Blue	24 - 36	Increased	Enhanced	Stock	64541	64641	\$7.63
	Purple	24 - 36	Advanced	Maximum	Stock	64542	64642	\$7.78
4 x 1"	Black	24 - 36	Standard	Standard	Stock	64550	64650	\$10.90
	Blue	24 - 36	Increased	Enhanced	Stock	64551	64651	\$12.29
	Purple	24 - 36	Advanced	Maximum	Stock	64552	64652	\$12.57
4.5 x 1"	Black	24 - 36	Standard	Standard	Stock	64560	64660	\$16.66
	Blue	24 - 36	Increased	Enhanced	Stock	64561	64661	\$18.95
	Purple	24 - 36	Advanced	Maximum	Stock	64562	64662	\$19.41
5 x 1"	Black	24 - 36	Standard	Standard	Stock	64570	64670	\$23.06
	Blue	24 - 36	Increased	Enhanced	Stock	64571	64671	\$26.33
	Purple	24 - 36	Advanced	Maximum	Stock	64572	64672	\$26.99

COMPARABLE PRODUCTS

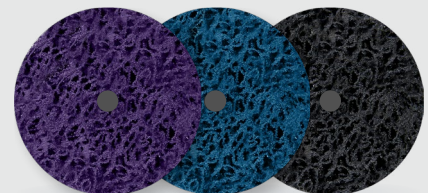
In addition to Clean & Strip-It Discs with a shank, we also offer Quick Change Clean & Strip-It Discs, Hook & Loop Arbor Hole and Solid Surface Conditioning Discs, and Arbor Hole Clean & Strip-It Discs. If you do not see a material or configuration, please contact us to discuss a specialty make.



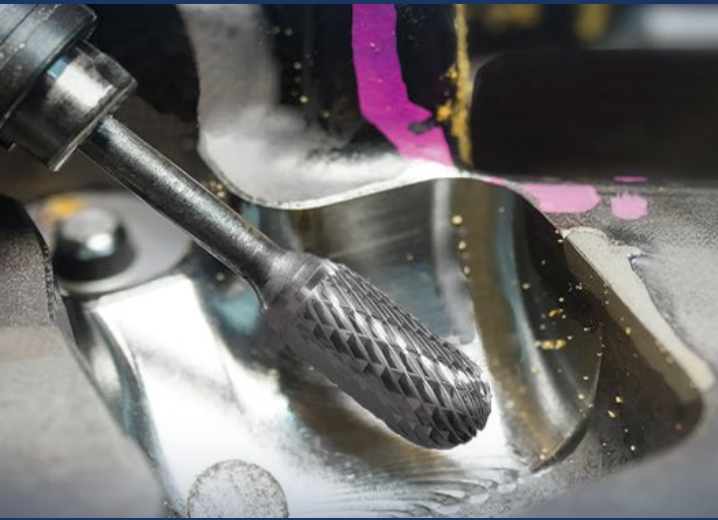
QUICK CHANGE
CLEAN & STRIP-IT DISCS



HOOK & LOOP ARBOR HOLE & SOLID
SURFACE CONDITIONING DISCS



ARBOR HOLE
CLEAN & STRIP-IT DISCS



PROFESSIONAL SERIES TUNGSTEN CARBIDE BURRS

Carbide Burrs are a rotary cutting tool with a tungsten carbide head that come in a variety of shapes and sizes. They are used to form, reduce, shape, smooth, or clean various metals in small and hard to reach areas. Typical applications are weld removal, weld preparation, chamfering, and deburring. Carbide Burrs are durable, have a high resistance to wear, and they can have a long working life when used properly. They are used in many industries including aerospace, automotive, engineering, foundry, power station, marine, welding, tool making, engineering, woodworking, jewelry making, dental, metal sculpting, and many more!

TUNGSTEN CARBIDE

Carbides are classified by the grain size and concentration of tungsten to a cobalt binder. As the grain size of tungsten carbide gets smaller, the material becomes denser, more rigid, and more wear resistant. Using only sub-micro and ultra fine carbide allows a higher performance and quality to be achieved. Smaller grains allow a sharper edge preparation and precision grinding down to the micron.

CONFIGURATIONS

LENGTH RANGE Standard; Long

CUTS Single; Double; Non-Ferrous

SHAPES Cylinder w/& w/o End Cut; Cylinder Radius; Ball; Oval/Egg; Tree Radius; Tree Pointed; Flame; Cone 60°; Cone 90°; 14° Taper Radius End; Pointed Cone Shape; Inverted Cone End

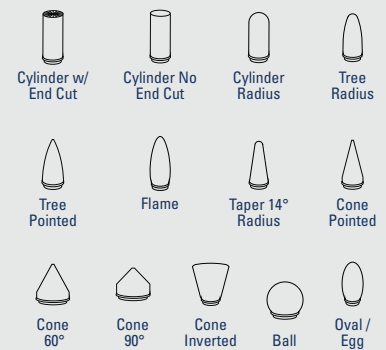
COATING Uncoated

MACHINE Die Grinder; Rotary Tools

FEATURES & BENEFITS

- Can be used on many materials.
- Carbide tools have a high resistance to wear and a long tool life.
- Carbide Burrs are are very cost-effective.
- Double cut produces a smoother finish than a single cut.
- Holds up under high temperature and extreme pressures.
- Carbide Burrs come in a variety of shapes.
- Have high stock removal rates.

ADDITIONAL PRODUCTS



ADVANTAGES OF CARBIDE BURRS

Choosing the correct Burr for your application is imperative to achieve the results you desire. Due to the variety of shapes and sizes in burrs, different variables in the operation can produce many different outcomes. Don't hesitate to contact us with any questions you have!

TUNGSTEN CARBIDE BURRS

LONGEVITY: Allow the tool do the work, apply minimum pressure.

Applying too much pressure can result in shortening the life of your burr, in addition to potentially chipping or eroding of the flutes.

CONSISTENCY: Following guidelines and recommendations will ensure consistency in your cuts and grinding.

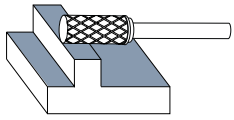
QUALITY: They have a fast, smooth, vibration-free performance, resist chipping or breaking, and have a long tool life.



FINISH: Finishes will depend on whether you are using a single cut, or a double cut. Double cut offers a finer finish, while single cuts produce a higher stock removal.

PERFORMANCE: When used properly, Carbide Burrs will outperform High Speed Steel Burrs by 50:1. Double cut will produce a smoother finish than a single cut.

SA SERIES - CYLINDRICAL, NO END CUT, STANDARD & LONG LENGTH



SHAPE
CYLINDER
NO END CUT

LENGTH
STANDARD
& LONG

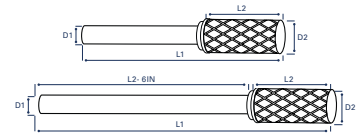
CUT
SINGLE

CUT
DOUBLE

NON-FERROUS

MACHINE TYPE
DIE GRINDER

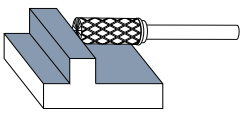
COATING
UNCOATED



SA SERIES - CYLINDRICAL, NO END CUT, STANDARD LENGTH											
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SA-11	1/8	1/2	1/4	2	Make	1	80000	80035	\$8.28	-	-
SA-12	1/8	5/8	1/4	2	Make	1	80002	80037	\$8.28	-	-
SA-13	5/32	5/8	1/4	2	Make	1	80004	80039	\$8.28	-	-
SA-14	3/16	5/8	1/4	2	Stock	1	80006	80041	\$8.28	-	-
SA-1	1/4	5/8	1/4	2	Stock	1	80008	80043	\$8.28	80070	\$10.63
SA-1L	1/4	1	1/4	2	Make	1	80009	80044	\$9.49	80071	\$11.84
SA-2	5/16	3/4	1/4	2 1/16	Stock	1	80011	80046	\$12.45	80073	\$14.80
SA-3	3/8	3/4	1/4	2 1/8	Stock	1	80013	80048	\$15.19	80075	\$17.54
SA-3L	3/8	1	1/4	2 1/8	Make	1	80014	80049	\$17.46	80076	\$19.81
SA-3X	3/8	1 1/2	1/4	2 1/8	Make	1	80015	80050	\$21.49	80077	\$23.84
SA-4	7/16	1	1/4	2 3/16	Stock	1	80017	80052	\$20.05	80079	\$22.40
SA-5	1/2	1	1/4	2 1/4	Stock	1	80019	80054	\$21.03	80081	\$23.38
SA-6	5/8	1	1/4	2 3/8	Stock	1	80021	80056	\$30.37	80083	\$34.13
SA-15	3/4	1/2	1/4	2 1/2	Make	1	80023	80058	\$38.01	80085	\$34.69
SA-16	3/4	3/4	1/4	2 1/2	Stock	1	80025	80060	\$40.24	80087	\$42.59
SA-7	3/4	1	1/4	2 1/2	Stock	1	80027	80062	\$45.55	80089	\$49.31
SA-8	7/8	1	1/4	2 5/8	Make	1	80029	80064	\$78.43	80091	\$67.55
SA-9	1	1	1/4	2 3/4	Stock	1	80031	80066	\$64.54	80093	\$66.89

SA SERIES - CYLINDRICAL, NO END CUT, LONG LENGTH											
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SA-11L6	1/8	1/2	1/4	6 1/8	Make	1	80001	80036	\$8.28	-	-
SA-12L6	1/8	5/8	1/4	6 1/8	Make	1	80003	80038	\$8.28	-	-
SA-13L6	5/32	5/8	1/4	6 5/32	Make	1	80005	80040	\$8.28	-	-
SA-14L6	3/16	5/8	1/4	6 3/16	Make	1	80007	80042	\$8.28	-	-
SA-1L6	1/4	1/2	1/4	6 1/4	Stock	1	80010	80045	\$10.63	80072	\$12.98
SA-2L6	5/16	3/4	1/4	6 5/16	Make	1	80012	80047	\$12.45	80074	\$18.56
SA-3L6	3/8	3/4	1/4	6 3/8	Stock	1	80016	80051	\$17.46	80078	\$18.95
SA-4L6	7/16	1	1/4	6 7/16	Make	1	80018	80053	\$20.05	80080	\$23.81
SA-5L6	1/2	1	1/4	6 1/2	Stock	1	80020	80055	\$23.31	80082	\$24.72
SA-6L6	5/8	1	1/4	6 5/8	Make	1	80022	80057	\$54.29	80084	\$63.69
SA-15L6	3/4	1/2	1/4	6 3/4	Make	1	80024	80059	\$38.01	80086	\$37.04
SA-16L6	3/4	3/4	1/4	6 3/4	Make	1	80026	80061	\$40.24	80088	\$44.00
SA-7L6	3/4	1	1/4	6 3/4	Make	1	80028	80063	\$72.43	80090	\$51.66
SA-8L6	7/8	1	1/4	6 7/8	Make	1	80030	80065	\$78.43	80092	\$68.96
SA-9L6	1	1	1/4	7	Make	1	80032	80067	\$64.54	80094	\$73.00

SB SERIES - CYLINDRICAL, WITH END CUT, STANDARD & LONG LENGTH



SHAPE
CYLINDER
W/ END CUT

LENGTH
STANDARD
& LONG

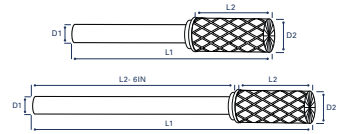
CUT
SINGLE

CUT
DOUBLE

NON-FERROUS

MACHINE TYPE
DIE GRINDER

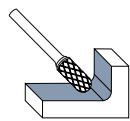
COATING
UNCOATED



SB SERIES - CYLINDRICAL, WITH END CUT, STANDARD LENGTH											
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SB-11	1/8	1/2	1/4	2	Stock	1	80100	80135	\$8.66	-	-
SB-12	1/8	5/8	1/4	2	Make	1	80102	80137	\$8.66	-	-
SB-13	5/32	5/8	1/4	2	Make	1	80104	80139	\$8.66	-	-
SB-14	3/16	5/8	1/4	2	Stock	1	80106	80141	\$8.66	-	-
SB-1	1/4	5/8	1/4	2	Stock	1	80108	80143	\$8.66	80170	\$15.26
SB-1L	1/4	1	1/4	2	Make	1	80109	80144	\$9.87	80171	\$12.22
SB-2	5/16	3/4	1/4	2 1/16	Stock	1	80111	80146	\$13.14	80173	\$15.49
SB-3	3/8	3/4	1/4	2 1/8	Stock	1	80113	80148	\$15.94	80175	\$18.29
SB-3L	3/8	1	1/4	2 1/8	Make	1	80114	80149	\$17.46	80176	\$19.81
SB-3X	3/8	1 1/2	1/4	2 1/8	Make	1	80115	80150	\$22.78	80177	\$25.13
SB-4	7/16	1	1/4	2 3/16	Stock	1	80117	80152	\$20.73	80179	\$23.08
SB-5	1/2	1	1/4	2 1/4	Stock	1	80119	80154	\$21.71	80181	\$25.47
SB-6	5/8	1	1/4	2 3/8	Stock	1	80121	80156	\$31.13	80183	\$34.89
SB-15	3/4	1/2	1/4	2 1/2	Make	1	80123	80158	\$41.76	80185	\$32.07
SB-16	3/4	3/4	1/4	2 1/2	Stock	1	80125	80160	\$41.76	80187	\$45.52
SB-7	3/4	1	1/4	2 1/2	Stock	1	80127	80162	\$47.07	80189	\$50.83
SB-8	7/8	1	1/4	2 5/8	Make	1	80129	80164	\$65.26	80191	\$61.32
SB-9	1	1	1/4	2 3/4	Stock	1	80131	80166	\$66.43	80193	\$71.13

SB SERIES - CYLINDRICAL, WITH END CUT, LONG LENGTH											
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SB-11L6	1/8	1/2	1/4	6 1/8	Make	1	80101	80136	\$8.66	-	-
SB-12L6	1/8	5/8	1/4	6 1/8	Make	1	80103	80138	\$8.66	-	-
SB-13L6	5/32	5/8	1/4	6 5/32	Make	1	80105	80140	\$8.66	-	-
SB-14L6	3/16	5/8	1/4	6 3/16	Make	1	80107	80142	\$8.66	-	-
SB-1L6	1/4	1/2	1/4	6 1/4	Stock	1	80110	80145	\$10.63	80172	\$12.98
SB-2L6	5/16	3/4	1/4	6 5/16	Make	1	80112	80147	\$13.14	80174	\$16.90
SB-3L6	3/8	3/4	1/4	6 3/8	Stock	1	80116	80151	\$17.46	80178	\$19.81
SB-4L6	7/16	1	1/4	6 7/16	Make	1	80118	80153	\$20.73	80180	\$26.84
SB-5L6	1/2	1	1/4	6 1/2	Stock	1	80120	80155	\$23.31	80182	\$25.66
SB-6L6	5/8	1	1/4	6 5/8	Make	1	80122	80157	\$59.60	80184	\$34.89
SB-15L6	3/4	1/2	1/4	6 3/4	Make	1	80124	80159	\$41.76	80186	\$33.48
SB-16L6	3/4	3/4	1/4	6 3/4	Make	1	80126	80161	\$46.38	80188	\$46.93
SB-7L6	3/4	1	1/4	6 3/4	Make	1	80128	80163	\$77.44	80190	\$52.24
SB-8L6	7/8	1	1/4	6 7/8	Make	1	80130	80165	\$65.26	80192	\$62.73
SB-9L6	1	1	1/4	7	Make	1	80132	80167	\$66.43	80194	\$73.48

SC SERIES - CYLINDRICAL, RADIUS END, STANDARD & LONG LENGTH



SHAPE
CYLINDER
RADIUS

LENGTH
STANDARD
& LONG

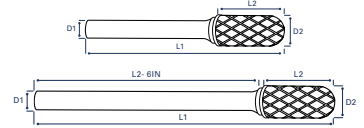
CUT
SINGLE

CUT
DOUBLE

CUT
NON-FERROUS

MACHINE TYPE
DIE
GRINDER

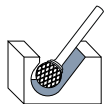
COATING
UNCOATED



SC SERIES - CYLINDRICAL, RADIUS END, STANDARD LENGTH											
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SC-11	1/8	1/2	1/4	2	Stock	1	80200	80235	\$7.84	-	-
SC-12	1/8	5/8	1/4	2	Make	1	80202	80237	\$7.93	-	-
SC-13	5/32	5/8	1/4	2	Make	1	80204	80239	\$8.35	-	-
SC-14	3/16	5/8	1/4	2	Stock	1	80206	80241	\$8.35	-	-
SC-1	1/4	5/8	1/4	2	Stock	1	80208	80243	\$8.35	80270	\$14.88
SC-1L	1/4	1	1/4	2	Make	1	80209	80244	\$9.87	80271	\$12.22
SC-2	5/16	3/4	1/4	2 1/16	Stock	1	80211	80246	\$12.45	80273	\$14.80
SC-3	3/8	3/4	1/4	2 1/8	Stock	1	80213	80248	\$15.19	80275	\$23.54
SC-3L	3/8	1	1/4	2 1/8	Make	1	80214	80249	\$17.46	80276	\$19.81
SC-3X	3/8	1 1/2	1/4	2 1/8	Make	1	80215	80250	\$20.88	80277	\$23.23
SC-4	7/16	1	1/4	2 3/16	Stock	1	80217	80252	\$20.05	80279	\$22.40
SC-5	1/2	1	1/4	2 1/4	Stock	1	80219	80254	\$21.03	80281	\$36.29
SC-6	5/8	1	1/4	2 3/8	Stock	1	80221	80256	\$30.37	80283	\$34.13
SC-15	3/4	1/2	1/4	2 1/2	Make	1	80223	80258	\$40.74	80285	\$31.60
SC-16	3/4	3/4	1/4	2 1/2	Make	1	80225	80260	\$41.76	80287	\$45.52
SC-7	3/4	1	1/4	2 1/2	Stock	1	80227	80262	\$47.07	80289	\$50.83
SC-8	7/8	1	1/4	2 5/8	Make	1	80229	80264	\$70.00	80291	\$69.75
SC-9	1	1	1/4	2 3/4	Stock	1	80231	80266	\$66.43	80293	\$71.13

SC SERIES - CYLINDRICAL, RADIUS END, LONG LENGTH											
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SC-11L6	1/8	1/2	1/4	6 1/8	Make	1	80201	80236	\$7.84	-	-
SC-12L6	1/8	5/8	1/4	6 1/8	Make	1	80203	80238	\$7.93	-	-
SC-13L6	5/32	5/8	1/4	6 5/32	Make	1	80205	80240	\$8.35	-	-
SC-14L6	3/16	5/8	1/4	6 3/16	Make	1	80207	80242	\$8.35	-	-
SC-1L6	1/4	1/2	1/4	6 1/4	Stock	1	80210	80245	\$10.63	80272	\$12.98
SC-2L6	5/16	3/4	1/4	6 5/16	Make	1	80212	80247	\$12.45	80274	\$21.80
SC-3L6	3/8	3/4	1/4	6 3/8	Stock	1	80216	80251	\$17.46	80278	\$19.81
SC-4L6	7/16	1	1/4	6 7/16	Make	1	80218	80253	\$20.05	80280	\$23.81
SC-5L6	1/2	1	1/4	6 1/2	Stock	1	80220	80255	\$23.31	80282	\$25.66
SC-6L6	5/8	1	1/4	6 5/8	Make	1	80222	80257	\$50.11	80284	\$35.54
SC-15L6	3/4	1/2	1/4	6 3/4	Make	1	80224	80259	\$40.74	80286	\$33.01
SC-16L6	3/4	3/4	1/4	6 3/4	Make	1	80226	80261	\$41.76	80288	\$46.93
SC-7L6	3/4	1	1/4	6 3/4	Make	1	80228	80263	\$70.00	80290	\$52.24
SC-8L6	7/8	1	1/4	6 7/8	Make	1	80230	80265	\$70.00	80292	\$71.16
SC-9L6	1	1	1/4	7	Make	1	80232	80267	\$66.43	80294	\$72.54

SD SERIES - BALL, STANDARD & LONG LENGTH



SHAPE
TREE RADIUS

LENGTH
STANDARD
& LONG

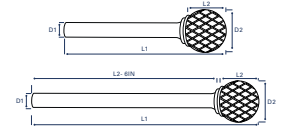
CUT
SINGLE

CUT
DOUBLE

CUT
NON-FERROUS

MACHINE TYPE
DIE
GRINDER

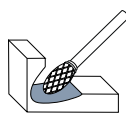
COATING
UNCOATED



SD SERIES - BALL, STANDARD LENGTH											
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SD-11	1/8	1/2	1/4	2	Stock	1	80300	80335	\$5.91	-	-
SD-12	1/8	5/8	1/4	2	Make	1	80302	80337	\$5.95	-	-
SD-13	5/32	5/8	1/4	2	Make	1	80304	80339	\$6.05	-	-
SD-14	3/16	5/8	1/4	2	Stock	1	80306	80341	\$6.53	-	-
SD-1	1/4	5/8	1/4	2	Stock	1	80308	80343	\$6.53	80370	\$11.08
SD-1L	1/4	1	1/4	2	Make	1	80309	80344	\$11.08	80371	\$12.80
SD-2	5/16	3/4	1/4	2 1/16	Stock	1	80311	80346	\$9.34	80373	\$11.69
SD-3	3/8	3/4	1/4	2 1/8	Stock	1	80313	80348	\$12.45	80375	\$16.85
SD-3L	3/8	1	1/4	2 1/8	Make	1	80314	80349	\$18.26	80376	\$18.95
SD-3X	3/8	1 1/2	1/4	2 1/8	Make	1	80315	80350	\$20.15	80377	\$27.25
SD-4	7/16	1	1/4	2 3/16	Stock	1	80317	80352	\$15.94	80379	\$19.70
SD-5	1/2	1	1/4	2 1/4	Stock	1	80319	80354	\$16.63	80381	\$24.60
SD-6	5/8	1	1/4	2 3/8	Stock	1	80321	80356	\$24.14	80383	\$27.90
SD-15	3/4	1/2	1/4	2 1/2	Make	1	80323	80358	\$32.37	80385	\$20.65
SD-16	3/4	3/4	1/4	2 1/2	Make	1	80325	80360	\$32.84	80387	\$29.10
SD-7	3/4	1	1/4	2 1/2	Stock	1	80327	80362	\$33.78	80389	\$37.54
SD-8	7/8	1	1/4	2 5/8	Make	1	80329	80364	\$54.37	80391	\$49.74
SD-9	1	1	1/4	2 3/4	Stock	1	80331	80366	\$54.89	80393	\$59.59

SD SERIES - BALL, LONG LENGTH											
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SD-11L6	1/8	1/2	1/4	6 1/8	Make	1	80301	80336	\$5.91	-	-
SD-12L6	1/8	5/8	1/4	6 1/8	Make	1	80303	80338	\$5.95	-	-
SD-13L6	5/32	5/8	1/4	6 5/32	Make	1	80305	80340	\$6.05	-	-
SD-14L6	3/16	5/8	1/4	6 3/16	Make	1	80307	80342	\$6.53	-	-
SD-1L6	1/4	1/2	1/4	6 1/4	Stock	1	80310	80345	\$8.81	80372	\$11.16
SD-2L6	5/16	3/4	1/4	6 5/16	Make	1	80312	80347	\$9.34	80374	\$13.10
SD-3L6	3/8	3/4	1/4	6 3/8	Stock	1	80316	80351	\$14.73	80378	\$17.08
SD-4L6	7/16	1	1/4	6 7/16	Make	1	80318	80353	\$15.94	80380	\$19.70
SD-5L6	1/2	1	1/4	6 1/2	Stock	1	80320	80355	\$18.90	80382	\$21.25
SD-6L6	5/8	1	1/4	6 5/8	Make	1	80322	80357	\$37.20	80384	\$27.90
SD-15L6	3/4	1/2	1/4	6 3/4	Make	1	80324	80359	\$32.37	80386	\$22.06
SD-16L6	3/4	3/4	1/4	6 3/4	Make	1	80326	80361	\$32.84	80388	\$30.51
SD-7L6	3/4	1	1/4	6 3/4	Make	1	80328	80363	\$51.17	80390	\$38.95
SD-8L6	7/8	1	1/4	6 7/8	Make	1	80330	80365	\$54.37	80392	\$51.15
SD-9L6	1	1	1/4	7	Make	1	80332	80367	\$54.89	80394	\$64.39

SE SERIES - OVAL / EGG, STANDARD & LONG LENGTH



SHAPE
OVAL / EGG

LENGTH
STANDARD
& LONG

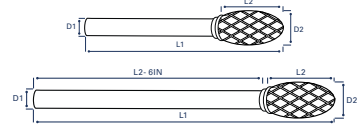
CUT
SINGLE

CUT
DOUBLE

CUT
NON-FERROUS

MACHINE TYPE
DIE GRINDER

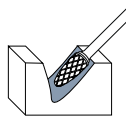
COATING
UNCOATED



SE SERIES - OVAL / EGG, STANDARD LENGTH											
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SE-11	1/8	1/2	1/4	2	Make	1	80400	80435	\$7.97	-	-
SE-12	1/8	5/8	1/4	2	Make	1	80402	80437	\$7.97	-	-
SE-13	5/32	5/8	1/4	2	Make	1	80404	80439	\$7.97	-	-
SE-14	3/16	5/8	1/4	2	Make	1	80406	80441	\$7.97	-	-
SE-1	1/4	5/8	1/4	2	Stock	1	80408	80443	\$7.97	80470	\$10.19
SE-1L	1/4	1	1/4	2	Make	1	80409	80444	\$20.50	80471	\$15.11
SE-2	5/16	3/4	1/4	2 1/16	Make	1	80411	80446	\$13.14	80473	\$11.47
SE-3	3/8	3/4	1/4	2 1/8	Stock	1	80413	80448	\$13.14	80475	\$15.49
SE-3L	3/8	1	1/4	2 1/8	Make	1	80414	80449	\$14.19	80476	\$19.86
SE-3X	3/8	1 1/2	1/4	2 1/8	Make	1	80415	80450	\$30.82	80477	\$28.62
SE-4	7/16	1	1/4	2 3/16	Make	1	80417	80452	\$18.98	80479	\$16.88
SE-5	1/2	1	1/4	2 1/4	Stock	1	80419	80454	\$18.98	80481	\$30.75
SE-6	5/8	1	1/4	2 3/8	Stock	1	80421	80456	\$28.32	80483	\$33.02
SE-15	3/4	1/2	1/4	2 1/2	Make	1	80423	80458	\$40.69	80485	\$24.11
SE-16	3/4	3/4	1/4	2 1/2	Make	1	80425	80460	\$40.69	80487	\$34.99
SE-7	3/4	1	1/4	2 1/2	Stock	1	80427	80462	\$40.69	80489	\$45.39
SE-8	7/8	1	1/4	2 5/8	Make	1	80429	80464	\$71.75	80491	\$60.09
SE-9	1	1	1/4	2 3/4	Make	1	80431	80466	\$72.35	80493	\$77.05

SE SERIES - OVAL / EGG, LONG LENGTH											
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SE-11L6	1/8	1/2	1/4	6 1/8	Make	1	80401	80436	\$7.97	-	-
SE-12L6	1/8	5/8	1/4	6 1/8	Make	1	80403	80438	\$7.97	-	-
SE-13L6	5/32	5/8	1/4	6 5/32	Make	1	80405	80440	\$7.97	-	-
SE-14L6	3/16	5/8	1/4	6 3/16	Make	1	80407	80442	\$7.97	-	-
SE-1L6	1/4	1/2	1/4	6 1/4	Stock	1	80410	80445	\$10.25	80472	\$12.30
SE-2L6	5/16	3/4	1/4	6 5/16	Make	1	80412	80447	\$13.14	80474	\$12.88
SE-3L6	3/8	3/4	1/4	6 3/8	Stock	1	80416	80451	\$15.41	80478	\$17.76
SE-4L6	7/16	1	1/4	6 7/16	Make	1	80418	80453	\$18.98	80480	\$18.29
SE-5L6	1/2	1	1/4	6 1/2	Stock	1	80420	80455	\$21.26	80482	\$23.61
SE-6L6	5/8	1	1/4	6 5/8	Make	1	80422	80457	\$47.38	80484	\$34.43
SE-15L6	3/4	1/2	1/4	6 3/4	Make	1	80424	80459	\$40.69	80486	\$24.11
SE-16L6	3/4	3/4	1/4	6 3/4	Make	1	80426	80461	\$40.69	80488	\$36.40
SE-7L6	3/4	1	1/4	6 3/4	Make	1	80428	80463	\$61.50	80490	\$44.45
SE-8L6	7/8	1	1/4	6 7/8	Make	1	80430	80465	\$71.75	80492	\$59.15
SE-9L6	1	1	1/4	7	Make	1	80432	80467	\$72.35	80494	\$78.46

SF SERIES - TREE, RADIUS END SHAPE, STANDARD & LONG LENGTH



SHAPE
TREE RADIUS

LENGTH
STANDARD
& LONG

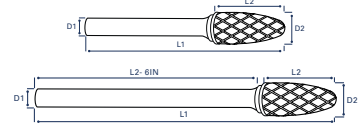
CUT
SINGLE

CUT
DOUBLE

CUT
NON-FERROUS

MACHINE TYPE
DIE GRINDER

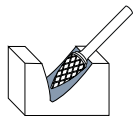
COATING
UNCOATED



SF SERIES - TREE, RADIUS END SHAPE, STANDARD LENGTH											
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SF-11	1/8	1/2	1/4	2	Make	1	80500	80535	\$18.22	-	-
SF-12	1/8	5/8	1/4	2	Make	1	80502	80537	\$18.22	-	-
SF-13	5/32	5/8	1/4	2	Stock	1	80504	80539	\$18.22	-	-
SF-14	3/16	5/8	1/4	2	Stock	1	80506	80541	\$44.26	-	-
SF-1	1/4	5/8	1/4	2	Stock	1	80508	80543	\$8.35	80570	\$12.91
SF-1L	1/4	1	1/4	2	Make	1	80509	80544	\$21.26	80571	\$15.71
SF-2	5/16	3/4	1/4	2 1/16	Make	1	80511	80546	\$14.50	80573	\$13.36
SF-3	3/8	3/4	1/4	2 1/8	Stock	1	80513	80548	\$14.50	80575	\$16.85
SF-3L	3/8	1	1/4	2 1/8	Make	1	80514	80549	\$26.12	80576	\$21.22
SF-3X	3/8	1 1/2	1/4	2 1/8	Make	1	80515	80550	\$39.18	80577	\$31.35
SF-4	7/16	1	1/4	2 3/16	Stock	1	80517	80552	\$19.36	80579	\$21.71
SF-5	1/2	1	1/4	2 1/4	Stock	1	80519	80554	\$20.05	80581	\$30.37
SF-6	5/8	1	1/4	2 3/8	Stock	1	80521	80556	\$29.00	80583	\$33.70
SF-15	3/4	1/2	1/4	2 1/2	Make	1	80523	80558	\$46.69	80585	\$21.57
SF-16	3/4	3/4	1/4	2 1/2	Make	1	80525	80560	\$46.69	80587	\$32.23
SF-7	3/4	1	1/4	2 1/2	Stock	1	80527	80562	\$37.96	80589	\$42.66
SF-8	7/8	1	1/4	2 5/8	Make	1	80529	80564	\$49.58	80591	\$58.29
SF-9	1	1	1/4	2 3/4	Make	1	80531	80566	\$67.49	80593	\$54.28

SF SERIES - TREE, RADIUS END SHAPE, LONG LENGTH											
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SF-11L6	1/8	1/2	1/4	6 1/8	Make	1	80501	80536	\$18.22	-	-
SF-12L6	1/8	5/8	1/4	6 1/8	Make	1	80503	80538	\$18.22	-	-
SF-13L6	5/32	5/8	1/4	6 5/32	Make	1	80505	80540	\$18.22	-	-
SF-14L6	3/16	5/8	1/4	6 3/16	Make	1	80507	80542	\$44.26	-	-
SF-1L6	1/4	1/2	1/4	6 1/4	Stock	1	80510	80545	\$10.63	80572	\$12.98
SF-2L6	5/16	3/4	1/4	6 5/16	Make	1	80512	80547	\$14.50	80574	\$14.77
SF-3L6	3/8	3/4	1/4	6 3/8	Stock	1	80516	80551	\$16.78	80578	\$19.13
SF-4L6	7/16	1	1/4	6 7/16	Make	1	80518	80553	\$19.36	80580	\$23.12
SF-5L6	1/2	1	1/4	6 1/2	Stock	1	80520	80555	\$22.32	80582	\$26.08
SF-6L6	5/8	1	1/4	6 5/8	Make	1	80522	80557	\$43.50	80584	\$34.17
SF-15L6	3/4	1/2	1/4	6 3/4	Make	1	80524	80559	\$46.69	80586	\$24.15
SF-16L6	3/4	3/4	1/4	6 3/4	Make	1	80526	80561	\$46.69	80588	\$33.64
SF-7L6	3/4	1	1/4	6 3/4	Make	1	80528	80563	\$37.96	80590	\$44.07
SF-8L6	7/8	1	1/4	6 7/8	Make	1	80530	80565	\$49.58	80592	\$55.94
SF-9L6	1	1	1/4	7	Make	1	80532	80567	\$67.49	80594	\$57.57

SG SERIES - TREE, POINTED SHAPE, STANDARD & LONG LENGTH



SHAPE
TREE POINTED

LENGTH
STANDARD
& LONG

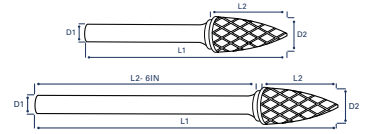
CUT
SINGLE

CUT
DOUBLE

CUT
NON-FERROUS

MACHINE TYPE
DIE GRINDER

COATING
UNCOATED



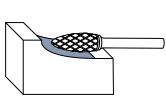
SG SERIES - TREE, POINTED SHAPE, STANDARD LENGTH

SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SG-11	1/8	1/2	1/4	2	Make	1	80600	80635	\$17.46	-	-
SG-12	1/8	5/8	1/4	2	Make	1	80602	80637	\$17.46	-	-
SG-13	5/32	5/8	1/4	2	Stock	1	80604	80639	\$17.46	-	-
SG-14	3/16	5/8	1/4	2	Make	1	80606	80641	\$17.46	-	-
SG-1	1/4	5/8	1/4	2	Stock	1	80608	80643	\$7.59	80670	\$11.77
SG-1L	1/4	1	1/4	2	Make	1	80609	80644	\$12.15	80671	\$14.50
SG-2	5/16	3/4	1/4	2 1/16	Stock	1	80611	80646	\$10.33	80673	\$12.68
SG-3	3/8	3/4	1/4	2 1/8	Stock	1	80613	80648	\$13.82	80675	\$16.42
SG-3L	3/8	1	1/4	2 1/8	Make	1	80614	80649	\$18.42	80676	\$20.77
SG-3X	3/8	1 1/2	1/4	2 1/8	Make	1	80615	80650	\$27.64	80677	\$29.99
SG-4	7/16	1	1/4	2 3/16	Make	1	80617	80652	\$18.30	80679	\$27.43
SG-5	1/2	1	1/4	2 1/4	Stock	1	80619	80654	\$18.30	80681	\$20.65
SG-6	5/8	1	1/4	2 3/8	Stock	1	80621	80656	\$26.95	80683	\$30.71
SG-15	3/4	1/2	1/4	2 1/2	Make	1	80623	80658	\$45.55	80685	\$49.31
SG-16	3/4	3/4	1/4	2 1/2	Make	1	80625	80660	\$45.55	80687	\$72.79
SG-7	3/4	1	1/4	2 1/2	Stock	1	80627	80662	\$35.46	80689	\$40.16
SG-8	7/8	1	1/4	2 5/8	Make	1	80629	80664	\$73.68	80691	\$52.96
SG-9	1	1	1/4	2 3/4	Make	1	80631	80666	\$96.24	80693	\$77.89

SG SERIES - TREE, POINTED SHAPE, LONG LENGTH

SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SG-11L6	1/8	1/2	1/4	6 1/8	Make	1	80601	80636	\$17.46	-	-
SG-12L6	1/8	5/8	1/4	6 1/8	Make	1	80603	80638	\$17.46	-	-
SG-13L6	5/32	5/8	1/4	6 5/32	Make	1	80605	80640	\$17.46	-	-
SG-14L6	3/16	5/8	1/4	6 3/16	Make	1	80607	80642	\$17.46	-	-
SG-1L6	1/4	1/2	1/4	6 1/4	Stock	1	80610	80645	\$9.87	80672	\$12.22
SG-2L6	5/16	3/4	1/4	6 5/16	Make	1	80612	80647	\$10.33	80674	\$14.09
SG-3L6	3/8	3/4	1/4	6 3/8	Stock	1	80616	80651	\$16.10	80678	\$18.45
SG-4L6	7/16	1	1/4	6 7/16	Make	1	80618	80653	\$18.30	80680	\$28.93
SG-5L6	1/2	1	1/4	6 1/2	Stock	1	80620	80655	\$20.58	80682	\$22.93
SG-6L6	5/8	1	1/4	6 5/8	Make	1	80622	80657	\$26.95	80684	\$32.12
SG-15L6	3/4	1/2	1/4	6 3/4	Make	1	80624	80659	\$45.55	80686	\$51.66
SG-16L6	3/4	3/4	1/4	6 3/4	Make	1	80626	80661	\$45.55	80688	\$76.55
SG-7L6	3/4	1	1/4	6 3/4	Make	1	80628	80663	\$54.13	80690	\$41.57
SG-8L6	7/8	1	1/4	6 7/8	Make	1	80630	80665	\$73.68	80692	\$55.31
SG-9L6	1	1	1/4	7	Make	1	80632	80667	\$96.24	80694	\$80.24

SH SERIES - FLAME, STANDARD & LONG LENGTH



SHAPE
FLAME

LENGTH
STANDARD
& LONG

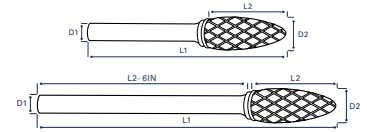
CUT
SINGLE

CUT
DOUBLE

CUT
NON-FERROUS

MACHINE TYPE
DIE GRINDER

COATING
UNCOATED



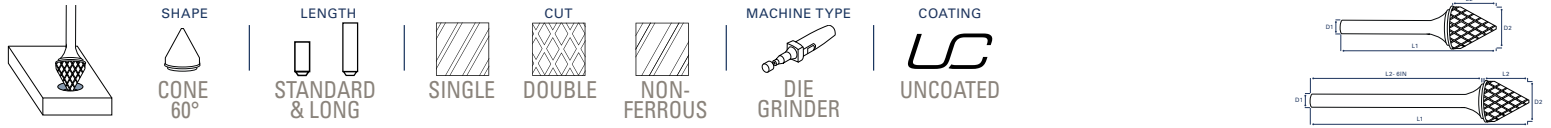
SH SERIES - FLAME, STANDARD LENGTH

SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SH-11	1/8	1/2	1/4	2	Make	1	80700	80735	\$8.96	-	-
SH-12	1/8	5/8	1/4	2	Make	1	80702	80737	\$8.96	-	-
SH-13	5/32	5/8	1/4	2	Make	1	80704	80739	\$8.96	-	-
SH-14	3/16	5/8	1/4	2	Make	1	80706	80741	\$8.96	-	-
SH-1	1/4	5/8	1/4	2	Stock	1	80708	80743	\$8.96	80770	\$11.78
SH-1L	1/4	1	1/4	2	Make	1	80709	80744	\$14.34	80771	\$16.69
SH-2	5/16	3/4	1/4	2 1/16	Stock	1	80711	80746	\$13.14	80773	\$15.49
SH-3	3/8	3/4	1/4	2 1/8	Make	1	80713	80748	\$22.19	80775	\$18.17
SH-3L	3/8	1	1/4	2 1/8	Make	1	80714	80749	\$29.59	80776	\$23.38
SH-3X	3/8	1 1/2	1/4	2 1/8	Make	1	80715	80750	\$44.39	80777	\$33.90
SH-4	7/16	1	1/4	2 3/16	Make	1	80717	80752	\$21.03	80779	\$30.97
SH-5	1/2	1	1/4	2 1/4	Stock	1	80719	80754	\$21.03	80781	\$23.38
SH-6	5/8	1	1/4	2 3/8	Stock	1	80721	80756	\$31.13	80783	\$33.48
SH-15	3/4	1/2	1/4	2 1/2	Make	1	80723	80758	\$51.25	80785	\$28.21
SH-16	3/4	3/4	1/4	2 1/2	Make	1	80725	80760	\$51.25	80787	\$41.14
SH-7	3/4	1	1/4	2 1/2	Stock	1	80727	80762	\$51.25	80789	\$55.01
SH-8	7/8	1	1/4	2 5/8	Make	1	80729	80764	\$69.75	80791	\$72.10
SH-9	1	1	1/4	2 3/4	Make	1	80731	80766	\$91.10	80793	\$97.65

SH SERIES - FLAME, LONG LENGTH

SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SH-11L6	1/8	1/2	1/4	6 1/8	Make	1	80701	80736	\$8.96	-	-
SH-12L6	1/8	5/8	1/4	6 1/8	Make	1	80703	80738	\$8.96	-	-
SH-13L6	5/32	5/8	1/4	6 5/32	Make	1	80705	80740	\$8.96	-	-
SH-14L6	3/16	5/8	1/4	6 3/16	Make	1	80707	80742	\$8.96	-	-
SH-1L6	1/4	1/2	1/4	6 1/4	Make	1	80710	80745	\$7.17	80772	\$11.78
SH-2L6	5/16	3/4	1/4	6 5/16	Stock	1	80712	80747	\$15.41	80774	\$17.76
SH-3L6	3/8	3/4	1/4	6 3/8	Make	1	80716	80751	\$22.19	80778	\$19.58
SH-4L6	7/16	1	1/4	6 7/16	Make	1	80718	80753	\$21.03	80780	\$32.38
SH-5L6	1/2	1	1/4	6 1/2	Stock	1	80720	80755	\$23.31	80782	\$25.66
SH-6L6	5/8	1	1/4	6 5/8	Make	1	80722	80757	\$31.13	80784	\$34.89
SH-15L6	3/4	1/2	1/4	6 3/4	Make	1	80724	80759	\$51.25	80786	\$29.62
SH-16L6	3/4	3/4	1/4	6 3/4	Make	1	80726	80761	\$51.25	80788	\$42.55
SH-7L6	3/4	1	1/4	6 3/4	Make	1	80728	80763	\$51.25	80790	\$56.42
SH-8L6	7/8	1	1/4	6 7/8	Make	1	80730	80765	\$69.75	80792	\$73.51
SH-9L6	1	1	1/4	7	Make	1	80732	80767	\$91.10	80794	\$96.71

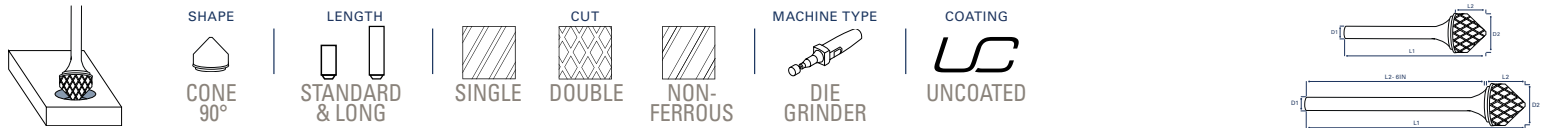
SJ SERIES - CONE, 60 DEGREE, STANDARD & LONG LENGTH



SJ SERIES - CONE, 60 DEGREE, STANDARD LENGTH												
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	ANGLE	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SJ-11	1/8	1/2	1/4	2	60°	Make	1	80800	80835	\$6.91	-	-
SJ-12	1/8	5/8	1/4	2	60°	Make	1	80802	80837	\$6.91	-	-
SJ-13	5/32	5/8	1/4	2	60°	Make	1	80804	80839	\$6.91	-	-
SJ-14	3/16	5/8	1/4	2	60°	Make	1	80806	80841	\$6.91	-	-
SJ-1	1/4	5/8	1/4	2	60°	Make	1	80808	80843	\$6.91	80870	\$12.45
SJ-1L	1/4	1	1/4	2	60°	Make	1	80809	80844	\$12.45	80871	\$12.45
SJ-2	5/16	3/4	1/4	2 1/16	60°	Make	1	80811	80846	\$12.45	80873	\$12.45
SJ-3	3/8	3/4	1/4	2 1/8	60°	Make	1	80813	80848	\$12.45	80875	\$12.45
SJ-3L	3/8	1	1/4	2 1/8	60°	Make	1	80814	80849	\$16.60	80876	\$16.60
SJ-3X	3/8	1 1/2	1/4	2 1/8	60°	Make	1	80815	80850	\$24.90	80877	\$24.90
SJ-4	7/16	1	1/4	2 3/16	60°	Make	1	80817	80852	\$16.93	80879	\$16.93
SJ-5	1/2	1	1/4	2 1/4	60°	Make	1	80819	80854	\$16.93	80881	\$16.93
SJ-6	5/8	1	1/4	2 3/8	60°	Make	1	80821	80856	\$26.27	80883	\$26.27
SJ-15	3/4	1/2	1/4	2 1/2	60°	Make	1	80823	80858	\$28.85	80885	\$28.85
SJ-16	3/4	3/4	1/4	2 1/2	60°	Make	1	80825	80860	\$28.85	80887	\$28.85
SJ-7	3/4	1	1/4	2 1/2	60°	Make	1	80827	80862	\$28.85	80889	\$44.03
SJ-8	7/8	1	1/4	2 5/8	60°	Make	1	80829	80864	\$44.03	80891	\$44.03
SJ-9	1	1	1/4	2 3/4	60°	Make	1	80831	80866	\$44.03	80893	\$44.03

SJ SERIES - CONE, 60 DEGREE SHAPE, LONG LENGTH												
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	ANGLE	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SJ-11L6	1/8	1/2	1/4	6 1/8	60°	Make	1	80801	80836	\$6.91	-	-
SJ-12L6	1/8	5/8	1/4	6 1/8	60°	Make	1	80803	80838	\$6.91	-	-
SJ-13L6	5/32	5/8	1/4	6 5/32	60°	Make	1	80805	80840	\$6.91	-	-
SJ-14L6	3/16	5/8	1/4	6 3/16	60°	Make	1	80807	80842	\$6.91	-	-
SJ-1L6	1/4	1/2	1/4	6 1/4	60°	Make	1	80810	80845	\$12.45	80872	\$12.45
SJ-2L6	5/16	3/4	1/4	6 5/16	60°	Make	1	80812	80847	\$12.45	80874	\$12.45
SJ-3L6	3/8	3/4	1/4	6 3/8	60°	Make	1	80816	80851	\$12.45	80878	\$12.45
SJ-4L6	7/16	1	1/4	6 7/16	60°	Make	1	80818	80853	\$16.93	80880	\$16.93
SJ-5L6	1/2	1	1/4	6 1/2	60°	Make	1	80820	80855	\$16.93	80882	\$16.93
SJ-6L6	5/8	1	1/4	6 5/8	60°	Make	1	80822	80857	\$26.27	80884	\$26.27
SJ-15L6	3/4	1/2	1/4	6 3/4	60°	Make	1	80824	80859	\$28.85	80886	\$28.85
SJ-16L6	3/4	3/4	1/4	6 3/4	60°	Make	1	80826	80861	\$28.85	80888	\$28.85
SJ-7L6	3/4	1	1/4	6 3/4	60°	Make	1	80828	80863	\$44.03	80890	\$44.03
SJ-8L6	7/8	1	1/4	6 7/8	60°	Make	1	80830	80865	\$44.03	80892	\$44.03
SJ-9L6	1	1	1/4	7	60°	Make	1	80832	80867	\$44.03	80894	\$44.03

SK SERIES - CONE, 90 DEGREE SHAPE, STANDARD & LONG LENGTH

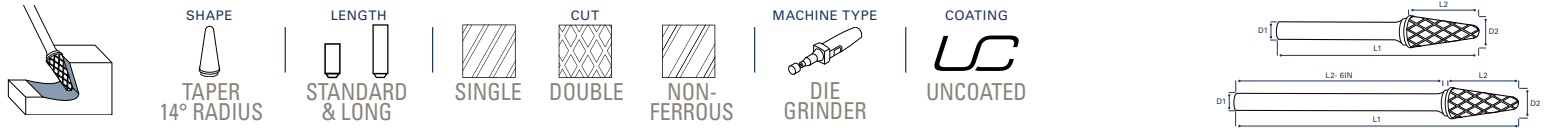


SK SERIES - CONE, 90 DEGREE, STANDARD LENGTH												
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	ANGLE	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SK-11	1/8	1/2	1/4	2	90°	Make	1	80900	80935	\$6.91	-	-
SK-12	1/8	5/8	1/4	2	90°	Make	1	80902	80937	\$6.91	-	-
SK-13	5/32	5/8	1/4	2	90°	Make	1	80904	80939	\$6.91	-	-
SK-14	3/16	5/8	1/4	2	90°	Make	1	80906	80941	\$6.91	-	-
SK-1	1/4	5/8	1/4	2	90°	Make	1	80908	80943	\$6.91	80970	-
SK-1L	1/4	1	1/4	2	90°	Make	1	80909	80944	\$12.45	80971	-
SK-2	5/16	3/4	1/4	2 1/16	90°	Make	1	80911	80946	\$12.45	80973	-
SK-3	3/8	3/4	1/4	2 1/8	90°	Make	1	80913	80948	\$12.45	80975	-
SK-3L	3/8	1	1/4	2 1/8	90°	Make	1	80914	80949	\$16.60	80976	-
SK-3X	3/8	1 1/2	1/4	2 1/8	90°	Make	1	80915	80950	\$24.90	80977	-
SK-4	7/16	1	1/4	2 3/16	90°	Make	1	80917	80952	\$16.93	80979	-
SK-5	1/2	1	1/4	2 1/4	90°	Make	1	80919	80954	\$16.93	80981	-
SK-6	5/8	1	1/4	2 3/8	90°	Make	1	80921	80956	\$26.27	80983	-
SK-15	3/4	1/2	1/4	2 1/2	90°	Make	1	80923	80958	\$15.37	80985	-
SK-16	3/4	3/4	1/4	2 1/2	90°	Make	1	80925	80960	\$23.06	80987	-
SK-7	3/4	1	1/4	2 1/2	90°	Make	1	80927	80962	\$30.75	80989	-
SK-8	7/8	1	1/4	2 5/8	90°	Make	1	80929	80964	\$41.85	80991	-
SK-9	1	1	1/4	2 3/4	90°	Make	1	80931	80966	\$37.20	80993	-

SK SERIES - CONE, 90 DEGREE SHAPE, LONG LENGTH												
SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	ANGLE	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SK-11L6	1/8	1/2	1/4	6 1/8	90°	Make	1	80901	80936	\$6.91	-	-
SK-12L6	1/8	5/8	1/4	6 1/8	90°	Make	1	80903	80938	\$6.91	-	-
SK-13L6	5/32	5/8	1/4	6 5/32	90°	Make	1	80905	80940	\$6.91	-	-
SK-14L6	3/16	5/8	1/4	6 3/16	90°	Make	1	80907	80942	\$6.91	-	-
SK-1L6	1/4	1/2	1/4	6 1/4	90°	Make	1	80910	80945	\$12.45	80972	\$12.45
SK-2L6	5/16	3/4	1/4	6 5/16	90°	Make	1	80912	80947	\$12.45	80974	\$12.45
SK-3L6	3/8	3/4	1/4	6 3/8	90°	Make	1	80916	80951	\$12.45	80978	\$12.45
SK-4L6	7/16	1	1/4	6 7/16	90°	Make	1	80918	80953	\$16.93	80980	\$16.93
SK-5L6	1/2	1	1/4	6 1/2	90°	Make	1	80920	80955	\$26.27	80982	\$26.27
SK-6L6	5/8	1	1/4	6 5/8	90°	Make	1	80922	80957	\$26.27	80984	\$26.27
SK-15L6	3/4	1/2	1/4	6 3/4	90°	Make	1	80924	80959	\$15.37	80986	\$15.37
SK-16L6	3/4	3/4	1/4	6 3/4	90°	Make	1	80926	80961	\$23.06	80988	\$23.06
SK-7L6	3/4	1	1/4	6 3/4	90°	Make	1	80928	80963	\$30.75	80990	\$30.75
SK-8L6	7/8	1	1/4	6 7/8	90°	Make	1	80930	80965	\$41.85	80992	\$41.85
SK-9L6	1	1	1/4	7	90°	Make	1	80932	80967	\$37.20	80994	\$37.20

TUNGSTEN CARBIDE BURRS

SL SERIES - TAPERED, 14 DEGREE RADIUS END, STANDARD & LONG LENGTH



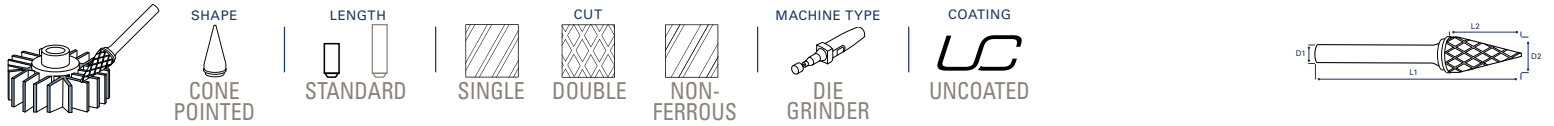
SL SERIES - TAPERED, 14 DEGREE, RADIUS END, STANDARD LENGTH

SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	ANGLE	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SL-11	1/8	1/2	1/4	2	14°	Make	1	81000	81035	\$8.96	-	-
SL-12	1/8	5/8	1/4	2	14°	Make	1	81002	81037	\$8.96	-	-
SL-13	5/32	5/8	1/4	2	14°	Make	1	81004	81039	\$8.96	-	-
SL-14	3/16	5/8	1/4	2	14°	Make	1	81006	81041	\$8.96	-	-
SL-1	1/4	5/8	1/4	2	14°	Stock	1	81008	81043	\$8.96	81070	\$14.04
SL-1L	1/4	1	1/4	2	14°	Make	1	81009	81044	\$14.34	81071	\$21.07
SL-2	5/16	3/4	1/4	2 1/16	14°	Stock	1	81011	81046	\$13.82	81073	\$18.22
SL-3	3/8	3/4	1/4	2 1/8	14°	Stock	1	81013	81048	\$15.57	81075	\$23.54
SL-3L	3/8	1	1/4	2 1/8	14°	Make	1	81014	81049	\$31.38	81076	\$31.38
SL-3X	3/8	1 1/2	1/4	2 1/8	14°	Make	1	81015	81050	\$47.08	81077	\$47.08
SL-4	7/16	1	1/4	2 3/16	14°	Stock	1	81017	81052	\$21.41	81079	\$33.94
SL-5	1/2	1	1/4	2 1/4	14°	Stock	1	81019	81054	\$31.13	81081	\$49.35
SL-6	5/8	1	1/4	2 3/8	14°	Make	1	81021	81056	\$32.42	81083	\$54.67
SL-15	3/4	1/2	1/4	2 1/2	14°	Make	1	81023	81058	\$42.90	81085	\$42.90
SL-16	3/4	3/4	1/4	2 1/2	14°	Make	1	81025	81060	\$42.90	81087	\$42.90
SL-7	3/4	1	1/4	2 1/2	14°	Stock	1	81027	81062	\$42.90	81089	\$83.74
SL-8	7/8	1	1/4	2 5/8	14°	Make	1	81029	81064	\$83.74	81091	\$83.74
SL-9	1	1	1/4	2 3/4	14°	Make	1	81031	81066	\$109.38	81093	\$109.38

SL SERIES - TAPERED, 14 DEGREE RADIUS END, LONG LENGTH

SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	ANGLE	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SL-11L6	1/8	1/2	1/4	6 1/8	14°	Make	1	81001	81036	\$8.96	-	-
SL-12L6	1/8	5/8	1/4	6 1/8	14°	Make	1	81003	81038	\$8.96	-	-
SL-13L6	5/32	5/8	1/4	6 5/32	14°	Make	1	81005	81040	\$8.96	-	-
SL-14L6	3/16	5/8	1/4	6 3/16	14°	Make	1	81007	81042	\$8.96	-	-
SL-1L6	1/4	1/2	1/4	6 1/4	14°	Stock	1	81010	81045	\$11.24	81072	\$11.24
SL-2L6	5/16	3/4	1/4	6 5/16	14°	Make	1	81012	81047	\$18.22	81074	\$18.22
SL-3L6	3/8	3/4	1/4	6 3/8	14°	Stock	1	81016	81051	\$17.84	81078	\$17.84
SL-4L6	7/16	1	1/4	6 7/16	14°	Make	1	81018	81053	\$23.69	81080	\$23.69
SL-5L6	1/2	1	1/4	6 1/2	14°	Make	1	81020	81055	\$31.13	81082	\$49.35
SL-6L6	5/8	1	1/4	6 5/8	14°	Make	1	81022	81057	\$32.42	81084	\$54.67
SL-15L6	3/4	1/2	1/4	6 3/4	14°	Make	1	81024	81059	\$42.90	81086	\$42.90
SL-16L6	3/4	3/4	1/4	6 3/4	14°	Make	1	81026	81061	\$42.90	81088	\$42.90
SL-7L6	3/4	1	1/4	6 3/4	14°	Make	1	81028	81063	\$83.74	81090	\$83.74
SL-8L6	7/8	1	1/4	6 7/8	14°	Make	1	81030	81065	\$83.74	81092	\$83.74
SL-9L6	1	1	1/4	7	14°	Make	1	81032	81067	\$109.38	81094	\$109.38

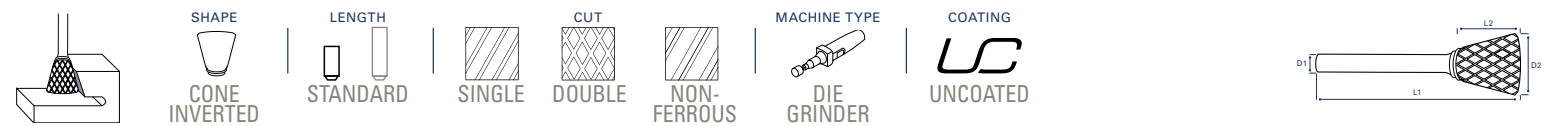
SM SERIES - CONE, POINTED SHAPE, STANDARD LENGTH



SM SERIES - CONE, POINTED SHAPE, STANDARD LENGTH

SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	ANGLE	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SM-1	1/4	5/8	1/4	2	22°	Stock	1	81108	81143	\$7.59	81170	\$7.59
SM-2	5/16	3/4	1/4	2 1/16	14°	Stock	1	81111	81146	\$8.96	81173	\$11.84
SM-3	3/8	3/4	1/4	2 1/8	10°	Stock	1	81113	81148	\$11.08	81175	\$11.08
SM-4	7/16	1	1/4	2 3/16	28°	Stock	1	81117	81152	\$13.14	81179	\$13.14
SM-5	1/2	1	1/4	2 1/4	28°	Stock	1	81119	81154	\$17.62	81181	\$30.37
SM-6	5/8	1	1/4	2 3/8	31°	Stock	1	81121	81156	\$26.19	81183	\$43.28

SN SERIES - CONE, INVERTED SHAPE, STANDARD LENGTH



SN SERIES - CONE, INVERTED SHAPE, STANDARD LENGTH

SHAPE	DIA. D2	LOC L2	SHANK D1	OAL L1	ANGLE	STOCK STATUS	QTY	SINGLE	DOUBLE	MSRP	NON-FERROUS	MSRP
SN-1	1/4	5/8	1/4	2	10°	Make	1	81208	81243	\$6.91	81270	\$6.91
SN-2	5/16	3/4	1/4	2 1/16	13°	Make	1	81211	81246	\$12.45	81273	\$12.45
SN-3	3/8	3/4	1/4	2 1/8		Make	1	81213	81248	\$17.93	81275	\$17.93
SN-4	7/16	1	1/4	2 3/16	28°	Make	1	81217	81252	\$16.25	81279	\$16.25
SN-5	1/2	1	1/4	2 1/4		Make	1	81219	81254	\$24.14	81281	\$24.14
SN-6	5/8	1	1/4	2 3/8	18°	Make	1	81221	81256	\$24.14	81283	\$24.14
SN-7	3/4	1	1/4	2 1/2	30°	Make	1	81227	81262	\$31.58	81289	\$31.58