

PHOENIX
A B R A S I V E S I N C.®



“YOUR ONE STOP ABRASIVES SHOP!”

2019/2020

Product Guide



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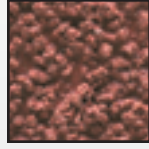


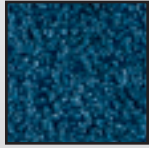
PHOENIX ABRASIVES, INC. * 200 WEST 88TH STREET #8 * BLOOMINGTON, MN 55420
www.phoenixabrasives.com

PHOENIX ABRASIVES INC.®

COATED MATERIALS

Phoenix Abrasives uses only premium abrasive grains in the production of all our abrasive tools. Whether grinding exotic metals or polishing to a required finish, Phoenix has the abrasive substrate to efficiently "Finish The Job".

Thin, Flexible & Less Durable
Thick, Stiff & Durable

	"A" WT. Paper	"B" WT. Paper	"C" WT. Paper	"E" WT. Paper	"F" WT. Paper	"J" WT. Cloth	"T" WT. Cloth	"X" WT. Cloth	"Y" WT. Cloth	
<p style="text-align: center;">ALUMINUM OXIDE A/O Resin Bond "X" Wt. Poly/Cotton</p>  <p style="text-align: center;">Grits: 24-400</p> <p>Aluminum Oxide: A synthetic grain pink to brownish in color. Most popular, durable, general purpose grain. Universally used for metals, wood, plastics, and lacquer.</p> <p style="text-align: center;">Products: Quick Change Discs, Hook & Loop Discs, Belts, Cost Control Flap Wheels, Cloth Stars</p>										
<p style="text-align: center;">ALUMINUM OXIDE A/O Resin Bond "X" Wt. 100% Cotton</p>  <p style="text-align: center;">Grits: 24-400</p> <p>Aluminum Oxide: A synthetic grain pink to brownish in color. Most popular, durable, general purpose grain. Universally used for metals, wood, plastics, and lacquer. 100% Cotton specifically designed for specialties.</p> <p style="text-align: center;">Products: Flap Wheels, Cartridge Rolls, Square & Cross Pads, Bore Polishers, Flap Discs, Bands</p>										
<p style="text-align: center;">ALUMINUM OXIDE WITH GRINDING AID A/O G.A. Resin Bond "X" Wt.</p>  <p style="text-align: center;">Grits: 36-120</p> <p>Aluminum Oxide GA: Same properties as standard A/O with altered resin chemistry to incorporate a supersize coat, which reduces heat and adds lubricity.</p> <p style="text-align: center;">Product: Quick Change Discs</p>										
<p style="text-align: center;">ALUMINUM OXIDE COMPACT GRAIN A/O Resin Bond "X" Wt.</p>  <p style="text-align: center;">Grits: 80-600</p> <p>Aluminum Oxide: Same properties as standard A/O except in a granulated form. Granules breakdown with use to dramatically extend life while providing a uniform finish.</p> <p style="text-align: center;">Product: Quick Change Discs</p>										
<p style="text-align: center;">ALUMINUM OXIDE A/O Resin Bond "J" Wt.</p>  <p style="text-align: center;">Grits: 60-500</p> <p>Aluminum Oxide: Same properties as standard A/O; however, bonded to a "J" WT. backing for added flexibility.</p> <p style="text-align: center;">Products: Shop Rolls, Flap Mops, Center Laps, Sheets</p>										
<p style="text-align: center;">SILICON CARBIDE S/C Resin Bond "X" Wt.</p>  <p style="text-align: center;">Grits: 60-400</p> <p>Silicon Carbide: Synthetic grain that is very hard and brittle. Designed to grind glass, minerals, ceramic, china, marble, and rock.</p> <p style="text-align: center;">Products: Quick Change Discs, Belts, Flap Wheels - Special, Cartridge Rolls - Special, Bands - Special, Hook & Loop Discs - Special</p>										
<p style="text-align: center;">ZIRCONIA ALUMINA Zirc Resin Bond "X" Wt.</p>  <p style="text-align: center;">Grits: 36-180</p> <p>Zirconia Alumina: A synthetic grain engineered to produce tough less brittle characteristics than A/O. Fracturing properties ensure a consistently sharp edge. Grinding and deburring metals.</p> <p style="text-align: center;">Products: Quick Change Discs, Hook & Loop Discs, Belts, Cartridge Rolls - Special, Bore Polishers, Cloth Stars - Special</p>										
<p style="text-align: center;">ZIRCONIA ALUMINA W/ GRINDING AID Zirc Resin Bond "Y" Wt.</p>  <p style="text-align: center;">Grits: 24-120</p> <p>Zirconia Alumina: Same properties as standard Zirc with altered resin chemistry to incorporate a supersize coat, which reduces heat and adds lubricity.</p> <p style="text-align: center;">Products: Quick Change Discs, Hook & Loop Discs, PSA Discs, Belts</p>										
<p style="text-align: center;">CERAMIC WITH GRINDING AID Ceramic Resin Bond "Y" Wt.</p>  <p style="text-align: center;">Grits: 24-120</p> <p>Ceramic: A synthetic grain formulated to withstand extreme pressures and dissipate heat. The crystallized substrate continually exposes sharp fractures for aggressive cutting action. Specifically for grinding metal.</p> <p style="text-align: center;">Products: Quick Change Discs, Belts, PSA Discs - Special</p>										

MATERIAL CROSS-REFERENCE

Phoenix	3M	Norton	Hermes	VSM	Klingspor	Sun
Aluminum Oxide Poly/Cotton	241D / 261D	R249 / R228	RB346MX	KK511X / KK711X	CS311X / CS310X	R145
Aluminum Oxide GA	367/D	R267	RB417YX	KK811X / KK812X	CS412	—
Aluminum Oxide Compact Grain	359F	Y933	RB530X	KK712X	CS425	—
Aluminum Oxide "J" Wt.	200D / 201E	R245 / R264	RB346MJ	KK511J / KK524J	LS309 / LS312	K35F / K355F
Silicon Carbide	441D / 453W	R422 / R423 / R427	RB318X	CK721X	CS320 / CS333X	S181
Zirconia Alumina	567G	R823 / R823 / E816	RB484TY	KK715Y / KK716Y	CS411X / CS411Y	R205
Zirconia Alumina GA	777F / 747D	R826 / R824 / R821	RB486Y	KK815Y / ZK745X	CS414	R203
Ceramic GA	777F / 977F	R946 / R981	CB4440 / CB447Y / CB448Y	SK840X	CS610Y	—

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QUICK CHANGE DISCS



PREMIUM A/O

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> General purpose grinding and aggressive stock removal Deburring, edge breaking, surface leveling Mold and cavity grinding Weld removal in grits 36-60 Blending of pits, gouges, and surface imperfections use grits 80-150 Achieve various finish gradients with grits 180-320 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Metal Matrix Composites 	

SIZE	GRIT	TYPE "S" PART #	TYPE "R" PART #
1" STD. PKG. 100	36	11087	35361
	40	11088	42716
	50	11089	34998
	80	11090	11193
	100	11092	11194
	120	11093	38037
	180	11095	11196
	240	11096	11198
1 1/2" STD. PKG. 100	36	11099	11202
	40	11100	11203
	50	11101	11204
	60	11102	11205
	80	11103	11206
	100	11104	11207
	120	11105	11208
	150	11106	43491
	180	11107	11210
	240	11108	11211
320	11109	33983	
2" STD. PKG. 100	24	11110	11213
	36	11111	11214
	40	11112	11215
	50	11113	11216
	60	11114	11217
	80	11115	11218
	100	11116	11219
	120	11117	11220
	150	11118	34463
	180	11119	11222
240	11120	11223	
320	11121	11224	
3" STD. PKG. 50	24	11122	11225
	36	11123	11226
	40	11124	11227
	50	11125	11228
	60	11126	11229
	80	11127	11230
	100	11128	11231
	120	11129	11232
	150	11130	11233
	180	11131	11234
240	11132	11235	
320	11133	11236	

4" available Type "R" and "S".

TYPE "R"

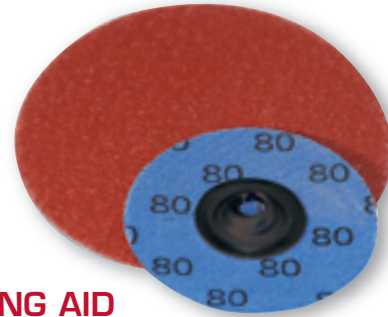


TYPE "S"



Equal to Lockit® & PowerLock III®

Equal to SocAtt® & PowerLock II®



A/O GRINDING AID

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> The supersize is designed to grind aircraft grade aluminum and high silicon metal matrix. A better option for heat generating metals such as high nickel alloys Extended life on most applications 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Plastics Exotics Metal Matrix Composites 	

SIZE	GRIT	TYPE "S" PART #	TYPE "R" PART #
1 1/2" STD. PKG. 100	36	32016	32055
	40	45149	38610
	50	16817	40939
	60	32015	32054
	80	32014	32053
	100	32013	32052
2" STD. PKG. 100	120	32012	32051
	24	—	—
	36	16827	32050
	40	38606	39869
	50	16829	32049
	60	16830	32048
3" STD. PKG. 50	80	16831	32047
	100	32017	32046
	120	16833	32045
	24	—	—
	36	21344	32044
	40	40163	38300
3" STD. PKG. 50	50	26668	32043
	60	22391	32042
	80	26825	32041
	100	32019	32040
	120	32018	32039

QUICK CHANGE DISCS

COMPACT GRAIN - A/O



Longer Life Than Standard A/O

Characteristics/Applications		Materials	Tool Selector
<ul style="list-style-type: none"> • Much longer life than traditional A/O discs • Blending and polishing leaving a uniform finish • Edge breaking, surface leveling • First option when tool changeover is a concern 		<ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ○ Stainless ● Composites 	
SIZE	GRIT	TYPE "S" PART #	TYPE "R" PART #
2" STD. PKG. 100	80	40270	40291
	120	40271	40292
	180	40272	40293
	240	40273	40294
	320	40274	40295
	400	40275	40296
600	40276	40297	
3" STD. PKG. 50	80	40277	40298
	120	40278	40299
	180	40279	40300
	240	40280	40301
	320	40281	40302
	400	40282	40303
	600	40283	40304

4" available Type "R" and Type "S".

RIGID KUT A/O

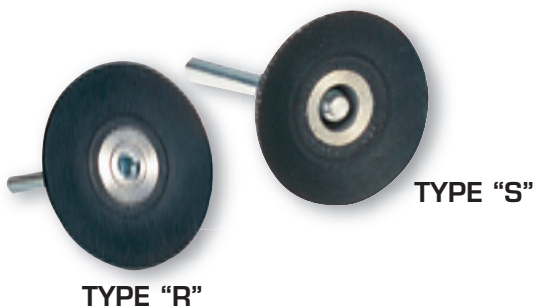
Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Our most firm disc, as stiff as a fibre disc with better grain retention • Tackles aggressive deburring where other discs shred • Deburrs interrupted cuts such as drilled holes and channels • First choice when edge wear is the leading concern • Best for grinding flat surfaces with limited contours 	<ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ● Stainless ● Plastics ● Exotics ○ Metal Matrix ● Composites 	



SIZE	GRIT	TYPE "S" PART #	TYPE "R" PART #
1 1/2" STD. PKG. 100	36	46847	46865
	50	46848	46866
	60	46849	46867
	80	46850	46868
	100	46851	46869
	120	46852	46870
2" STD. PKG. 100	36	46853	46871
	50	46854	46872
	60	46855	46873
	80	46856	46874
	100	46857	46875
	120	46858	46876
3" STD. PKG. 50	36	46859	46877
	50	46860	46878
	60	46861	46879
	80	46862	46880
	100	46863	46881
	120	46864	46882

4" available Type "R" and Type "S".

QUICK CHANGE DISC HOLDERS - 1/4" SHANK



SIZE	DENSITY	TYPE "S"		TYPE "R"	
		PART #	PART #	PART #	PART #
3/4"	MED.	—	—	40564	
1"	MED.	11170		11273	
1 1/2"	MED.	11171		11274	
2"	SOFT	11172			
2"	MED.	11173		11275	
2"	FIRM	11174			
3"	SOFT	11175			
3"	MED.	11176		11276	
3"	FIRM	11177			
4"	MED.	11178		34992	

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QUICK CHANGE DISCS

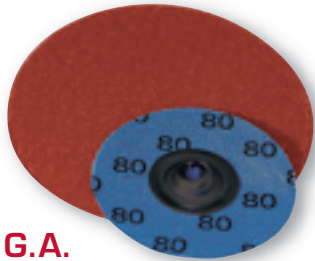
PREMIUM ZIRC

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Grind high nickel alloys, titanium, and other exotic metals Aggressive grinding with good heat dissipation Excels in pressure applications Remove weld and grind through inclusions (such as nodular cast iron) Great on composites that wear other abrasives grains 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Metal Matrix Composites 	



SIZE	GRIT	TYPE "S" PART #	TYPE "R" PART #
1 1/2" STD. PKG. 100	36	11148	11251
	40	11149	11252
	50	11150	11253
	60	11151	11254
	80	11152	11255
	120	11154	11257
2" STD. PKG. 100	36	11155	11258
	40	11156	11259
	50	11157	11260
	60	11158	11261
	80	11159	11262
	120	11161	11264
3" STD. PKG. 50	36	11162	11265
	40	11163	11266
	50	11164	11267
	60	11165	11268
	80	11166	11269
	120	11168	11271

4" available Type "R" and Type "S".



CERAMIC G.A.

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Aggressive stock removal with the highest heat dissipation Grind high temp alloys such as cobalt, chrome, hastalloy, and inconel High pressure applications Extended life and grain retention First choice when grinding hot castings 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Metal Matrix Composites 	

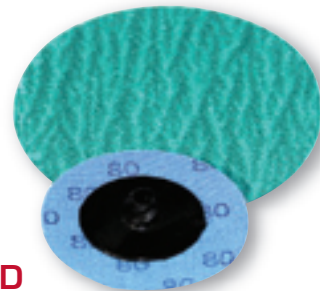
SIZE	GRIT	TYPE "S" PART #	TYPE "R" PART #
2" STD. PKG. 100	36	40311	40329
	40	40312	40330
	50	40313	40331
	60	40314	40332
	80	40315	40333
	120	40316	40334
3" STD. PKG. 50	36	40317	40335
	40	40318	40336
	50	40319	40337
	60	40320	40338
	80	40321	40339
	120	40322	40340

4" available Type "R" and Type "S".

ZIRC GRINDING AID

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Aggressive stock removal on stainless steel Enhanced performance in moderate to heavy pressure applications Dissipates heat and resists loading First choice when grinding gummy heat sensitive metals 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Metal Matrix Composites 	

SIZE	GRIT	TYPE "S" PART #	TYPE "R" PART #
1 1/2" STD. PKG. 100	36	36665	36671
	40	36666	36672
	50	36667	36673
	60	36668	36674
	80	36669	36675
	120	36670	36676
2" STD. PKG. 100	36	36677	36683
	40	36678	36684
	50	36679	36685
	60	36680	36686
	80	36681	36687
	120	36682	36688
3" STD. PKG. 50	36	36689	36695
	40	36690	36696
	50	36691	36697
	60	36692	36698
	80	36693	36699
	120	36694	36700



PSA DISCS



X WT. CLOTH - A/O



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Rubber based adhesive is melted onto the material • Stronger bond between PSA and abrasive material than double face tape • PSA will not leave residue on the platen or holder • Easily releases from holders and/or platens • Discs will not slip or fly off with excessive heat • General grinding, deburring, and blending 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ○ Stainless ● Plastics ○ Exotics ● Metal Matrix ● Composites 	

SIZE	GRIT	PART #
1/2" STD. PKG. 100	60	11376
	80	11377
	100	11378
	120	11379
	180	11380
	240	16685
3/4" STD. PKG. 100	320	16095
	50	11382
	60	11383
	80	11384
	100	11385
	120	11386
1" STD. PKG. 100	180	11387
	240	16955
	320	18509
	50	11389
	60	11390
	80	11391
1 1/2" STD. PKG. 100	100	11392
	120	11393
	180	11394
	240	18004
	320	18508
	36	11396
	40	11397
	50	11398
2" STD. PKG. 100	60	11399
	80	11400
	100	11401
	120	11402
	180	11404
	240	11405
	320	11406
	24	11407
	36	11408
	40	11409
3" STD. PKG. 50	50	11410
	60	11411
	80	11412
	100	11413
	120	11414
	150	11415
	180	11416
	240	11417
	320	11418
	24	11419
36	11420	
40	11421	
50	11422	
60	11423	
80	11424	
100	11425	
120	11426	
150	11427	
180	11428	
240	11429	
320	11430	

SIZE	GRIT	PART #
4" STD. PKG. 50	24	11431
	36	11432
	40	11433
	50	11434
	60	11435
	80	11436
	100	11437
	120	11438
	150	11439
	180	11440
5" STD. PKG. 50	240	11441
	320	11442
	24	11443
	36	11444
	40	11445
	50	11446
	60	11447
	80	11448
	100	11449
	120	11450
6" STD. PKG. 50	150	11451
	180	11452
	240	11453
	320	11454
	24	11455
	36	11456
	40	11457
	50	11458
	60	11459
	80	11460
100	11461	
7" STD. PKG. 50	120	11462
	150	11463
	180	11464
	240	11465
	320	11466
	24	11467
	36	11468
	40	11469
	50	11470
	60	11471
8" STD. PKG. 50	80	11472
	100	11473
	120	11474
	180	11475
	24	11476
	36	11477
	40	11478
	50	11479
	60	11480
	80	11481
100	11482	
120	11483	
180	11484	
240	30428	
320	30430	

PSA DISCS



"X" WT. CLOTH - A/O

SIZE	GRIT	PART #
9" STD. PKG. 25	24	11485
	36	11486
	40	11487
	50	11488
	60	11489
	80	11490
	100	11491
	120	11492
10" STD. PKG. 25	24	11494
	36	11495
	40	11496
	50	11497
	60	11498
	80	11499
	100	11500
	120	11501
12" STD. PKG. 25	24	11503
	36	11504
	40	11505
	50	11506
	60	11507
	80	11508
	100	11509
	120	11510
	150	11511
	180	11512
14" STD. PKG. 25	24	11515
	36	11516
	40	11517
	50	11518
	60	11519
	80	11520
	100	11521
15" STD. PKG. 25	24	11524
	36	11525
	40	11526
	50	11527
	60	11528
	80	11529
100	11530	
120	11531	

Other sizes and grits available.

SIZE	GRIT	PART #	PRICE EACH
16" STD. PKG. 25	24	11533	
	36	11534	
	40	11535	
	50	11536	
	60	11537	
	80	11538	
	100	11539	
	120	11540	
18" STD. PKG. 10	24	11542	
	36	11543	
	40	11544	
	50	11545	
	60	11546	
	80	11547	
	100	11548	
	120	11549	
20" STD. PKG. 10	24	11551	
	36	11552	
	40	11553	
	50	11554	
	60	11555	
	80	11556	
	100	11557	
24" STD. PKG. 10	24	11560	
	36	11561	
	40	11562	
	50	11563	
	60	11564	
	80	11565	
	100	11566	
26" STD. PKG. 10	24	11569	
	36	11570	
	40	11571	
	50	11572	
	60	11573	
	80	11574	
	100	11575	
30" STD. PKG. 5	24	11578	
	36	11579	
	40	11580	
	50	11581	
	60	11582	
	80	11583	
	100	11584	
120	11585		



PSA DISC HOLDERS

SIZE	PART #
1/2" x 1/8"	11701
1/2" x 1/4"	11702
3/4" x 1/8"	11703
3/4" x 1/4"	11704
1" x 1/8"	11705
1" x 1/4"	11706
1 1/2" x 1/4"	11707
2" x 1/4"	11708
3" x 1/4"	11709
4" x 1/4"	11710
5" x 1/4"	11711

Lightweight – High R.P.M.

PSA ZIRC DISCS

ZIRC "X" WT. CLOTH



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Grind high nickel alloys, titanium, and other exotic metals Good heat dissipation Heavy pressure applications Remove weld and grind through inclusions in nodular cast iron 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Composites 	

SIZE	GRIT	PART #
5" STD. PKG. 50	36	17498
	40	17499
	50	17500
	60	17501
	80	17502
	100	17503
	120	17504
6" STD. PKG. 50	36	17505
	40	17506
	50	17507
	60	17508
	80	17509
	100	17510
	120	17511
180	46661	

SIZE	GRIT	PART #
12" STD. PKG. 25	36	17458
	40	17459
	50	17460
	60	17461
	80	17462
	100	40496
	120	40497
20" STD. PKG. 10	180	37283
	36	17483
	40	17484
	50	17485
	60	17486
	80	17487
	100	46647
24" STD. PKG. 10	120	46648
	180	46650
	36	17488
	40	17489
	50	17490
	60	17491
	80	17492
100	46651	
120	46652	
180	46653	

Other sizes and grits available.

ZIRC G.A. "Y" WT. CLOTH

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Stock removal on stainless Enhanced performance in heavy pressure applications Dissipates heat and resists loading First choice when grinding gummy heat sensitive metals 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Composites 	


SIZE	GRIT	PART #
5" STD. PKG. 50	36	21372
	40	34014
	50	17127
	60	21150
	80	21151
6" STD. PKG. 50	36	21176
	40	26381
	50	31349
	60	24531
	80	16108
12" STD. PKG. 25	36	16728
	40	16919
	50	19277
	60	16729
	80	18943



SIZE	GRIT	PART #
20" STD. PKG. 10	36	21012
	40	21013
	50	17152
	60	24686
	80	17154
24" STD. PKG. 10	36	21486
	40	24036
	50	21935
	60	24536
	80	21307

Other sizes and grits available.

FILM DISCS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Stronger than paper and more cost effective than cloth Load-resistant size coat Sand metal and wood Gives repeated measurable finish 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Wood Solid Surfaces Composites 	



PSA/TABS - A/O

SIZE	GRIT	PART #	5 VAC #	6 VAC #
5" STD. PKG. 50	80	46721	46737	—
	100	46722	46738	—
	120	46723	46739	—
	180	46724	46740	—
	240	46725	46741	—
	320	46726	46742	—
	400	46727	46743	—
6" STD. PKG. 50	80	46729	—	46761
	100	46730	—	46762
	120	46731	—	46763
	180	46732	—	46764
	240	46733	—	46765
	320	46734	—	46766
	400	46765	—	46767
600	46736	—	46768	

HOOK & LOOP - A/O


SIZE	GRIT	PART #	5 VAC #	6 VAC #
5" STD. PKG. 50	80	46670	46685	—
	100	46671	46686	—
	120	46672	46687	—
	180	46674	46689	—
	240	46675	46690	—
	320	45006	46691	—
	400	45007	46692	—
6" STD. PKG. 50	80	46677	—	46712
	100	46678	—	46713
	120	46679	—	46714
	180	46680	—	46715
	240	46681	—	46716
	320	46682	—	46717
	400	46683	—	46718
600	46684	—	46719	

8" Vac -Hole Available - Same Price.

PSA PAPER DISCS

"F" WT. PAPER - A/O



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> General purpose grinding and stock removal General purpose edge breaking surface blending "F" weight is thicker and more durable than traditional "A" weight and "B" weight products Open coat for aggressive cutting action 	<ul style="list-style-type: none"> Non-Ferrous Plastics Wood Solid Surfaces Composites 	

SIZE	GRIT	PART #	5 VAC #	6 VAC #
5" STD. PKG. 100	40	11587	45633	—
	60	11589	40476	—
	120	11590	40477	—
	180	11592	34021	—
6" STD. PKG. 100	120	11594	21383	—
	40	11598	—	46769
	60	11600	—	43576
	80	11601	—	43577
	120	11603	—	46770
180	11605	—	46771	

8" Vac -Hole Available - Same Price.

GOLD DISCS

"C" WT. PAPER - A/O



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Grinding and stock removal Edge breaking, surface blending Cost effective when sanding materials that load or gum up Semi-open coat with load-resistant size coat for aggressive action 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Plastics Wood Solid Surfaces Composites 	

PSA/TABS

SIZE	GRIT	PART #	5 VAC #	6 VAC #
5" STD. PKG. 50	60	44838	—	—
	80	39981	46720	—
	100	40260	44393	—
	120	40425	43704	—
	150	42933	41057	—
	180	40696	44394	—
	240	40426	46673	—
6" STD. PKG. 50	320	40261	46688	—
	60	46654	—	—
	80	40066	—	45385
	100	40067	—	45381
	120	40068	—	46805
	150	46710	—	45382
	180	40069	—	42401
240	46711	—	46806	
320	43735	—	46807	

HOOK & LOOP

SIZE	GRIT	PART #	5 VAC #	6 VAC #
5" STD. PKG. 50	60	44711	—	—
	80	38835	41764	—
	100	40881	44331	—
	120	40882	43183	—
	150	40883	45384	—
	180	40884	43184	—
	220	40885	43164	—
6" STD. PKG. 50	240	40886	43285	—
	320	38836	43560	—
	60	46655	—	—
	80	40887	—	45785
	100	40888	—	45192
	120	40889	—	44846
	150	40890	—	45193
180	40891	—	34067	
220	40892	—	44203	
240	40893	—	46808	
320	40894	—	37011	

8" Vac -Hole Available - Same Price.

RED DISCS

"C" WT. PAPER - A/O

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> General purpose grinding, stock removal, edge breaking and surface blending Cost effective when sanding materials that load or gum up Semi-open coat with load-resistant size coat 	<ul style="list-style-type: none"> Non-Ferrous Stainless Plastics Wood Solid Surfaces Composites 	



PSA/TABS

SIZE	GRIT	PART #	5 VAC #	6 VAC #
5" STD. PKG. 50	80	46772	46745	—
	100	46773	46746	—
	120	46774	46747	—
	150	46775	46748	—
	180	46776	46749	—
	240	46778	46750	—
	320	46779	46751	—
6" STD. PKG. 50	400	46780	46752	—
	80	46781	—	46753
	100	46782	—	46754
	120	46783	—	46755
	150	46784	—	46756
	180	46785	—	46757
	240	46786	—	46758
320	46787	—	46759	
400	46788	—	46760	

HOOK & LOOP

SIZE	GRIT	PART #	5 VAC #	6 VAC #
5" STD. PKG. 50	80	46789	46694	—
	100	46790	46695	—
	120	46791	46696	—
	150	46792	46697	—
	180	46793	46698	—
	240	46794	46699	—
	320	46795	46700	—
6" STD. PKG. 50	400	46798	46701	—
	80	46797	—	46702
	100	46796	—	46703
	120	46799	—	46704
	150	46800	—	46705
	180	46801	—	46706
	240	46802	—	46707
320	46803	—	46708	
400	46804	—	46709	

8" Vac -Hole Available - Same Price.

PSA PAPER DISC ROLLS



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Grinding and stock removal Edge breaking, surface blending Packaged in roll form for convenient use Cost effective for sanding materials that load Semi-open coat with load-resistant size coat for aggressive cutting action 	<ul style="list-style-type: none"> ● Non-Ferrous ○ Stainless ● Plastics ● Wood ● Solid Surfaces ● Composites 	

WHITE STEARATE ROLLS - A/O

SIZE	GRIT	PART #
5" STD. PKG. 1 125 discs/roll	80	11685
	100	11686
	120	11687
	150	11688
	180	11689
	220	11690
	240	11691
	320	11692
6" STD. PKG. 1 125 discs/roll	80	11693
	100	11694
	120	11695
	150	11696
	180	11697
	220	11698
	240	11699
	320	11700

PREMIUM GOLD ROLLS - A/O

SIZE	GRIT	PART #
5" STD. PKG. 1 100 discs/roll	80	25078
	100	25079
	120	25080
	150	25081
	180	25082
	220	25083
	240	25084
	320	25085
6" STD. PKG. 1 100 discs/roll	80	25086
	100	25087
	120	25088
	150	25089
	180	25090
	220	25091
	240	25092
	320	25093



PSA STRIPS & SHEETS

A/O - CLOTH

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> 9 x 11" sheets stick to work bench for sanding handheld parts Sheets easily cut to any form General grinding, deburring, edge breaking, size sanding, blending 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Plastics ● Composites 	

SIZE	GRIT	PART #
1" x 11" STD. PKG. 100	60	12226
	80	12227
	100	12228
	120	12229
	150	12230
	180	12231
	240	12232
	320	12233
9" x 11" STD. PKG. 50	60	12242
	80	12243
	120	12245
	180	12247
	240	12248
	320	12249



PSA/VAC HOLE HOLDERS

SIZE	THREAD SIZE	5 VAC PART #	6 VAC PART #
5"	5/16-24 MALE	39080	—
6"	5/16-24 MALE	—	34730



PSA PAPER DISC HOLDERS

SIZE	THREAD SIZE	PART #
5"	5/16-24 MALE	11715
6"	5/16-24 MALE	11716

HOOK & LOOP/VAC HOLE HOLDERS

SIZE	THREAD SIZE	5 VAC PART #	6 VAC PART #
5"	5/16-24 MALE	46809	—
6"	5/16-24 MALE	—	46812

HOOK & LOOP PAPER DISC HOLDERS

SIZE	THREAD SIZE	PART #
5"	5/16-24 MALE	40910
6"	5/16-24 MALE	40911



UNMOUNTED FLAP WHEELS

100% Egyptian Cotton

"X" WT. CLOTH - A/O

SIZE	GRIT	PART #
4" x 1" x 5/8" STD. PKG. 5	60	26269
	80	26270
	120	26272
	180	26273
4" x 2" x 5/8" STD. PKG. 5	50	26279
	60	26280
	80	26281
	120	26282
6" x 1" x 1" STD. PKG. 5	180	26283
	40	26289
	50	26290
	60	26291
	80	26292
	100	26293
	120	26294
6" x 1 1/2" x 1" STD. PKG. 5	150	26295
	180	26296
	240	26297
	40	26299
	60	26301
	80	26302
	120	26303

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Deburring, blending parting lines, and polishing • Removes flash from automotive castings and molded rubber • Conforms to work piece or can be preformed before application • Egyptian cotton for polishing 	<ul style="list-style-type: none"> ● Ferrous ◐ Non-Ferrous ◑ Stainless ● Plastics ● Wood ● Solid Surfaces 	

"X" WT. CLOTH - A/O

SIZE	GRIT	PART #
6" x 2" x 1" STD. PKG. 5	40	26304
	50	26305
	60	26306
	80	26307
	100	26308
	120	26309
8" x 1" x 1" STD. PKG. 3	180	26310
	60	26315
	80	26316
	100	26317
	120	26318
8" x 2" x 1" STD. PKG. 3	180	26319
	60	26321
	80	26322
	120	26323
	180	26324

Other sizes and grits available.

MINI FLAP WHEELS

100% Egyptian Cotton

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Deburring, blending, parting lines, and polishing • For small hard to reach areas • Sand engine components • For inside and outside diameters of tubes • Egyptian cotton enables wheel to polish in finer grits 	<ul style="list-style-type: none"> ● Ferrous ◐ Non-Ferrous ◑ Stainless ● Plastics ● Rubber ● Wood ○ Composites 	



"X" WT. CLOTH - A/O

SIZE	GRIT	STD. PKG.	PART #
3/8" x 3/8" 1/8" Shank	80	10	24791
	120		24802
	180		24803
	240		24804
	320		24805
5/8" x 5/8" 1/8" Shank	80	10	24806
	120		24807
	180		24808
	240		24809
	320		24810
5/8" x 3/4" 1/8" Shank	80	10	24811
	120		24812
	180		24813
	240		24814
	320		24815
3/4" x 5/8" 1/8" Shank	80	10	24816
	120		24817
	180		24818
	240		24819
	320		24820

SIZE	GRIT	STD. PKG.	PART #
3/4" x 3/4" 1/8" Shank	80	10	24821
	120		24822
	180		24823
	240		24824
	320		24825
1 3/16" x 1/8" 1/8" Shank	80	10	24826
	120		24827
	180		24828
	240		24829
	320		24830
1 3/16" x 3/16" 1/8" Shank	80	10	24832
	120		24833
	180		24834
	240		24835
	320		24836
1 3/16" x 3/8" 1/8" Shank	80	10	24837
	120		24838
	180		24839
	240		24840
	320		24841

MOUNTED FLAP WHEELS

100% Egyptian Cotton

"X" WT. CLOTH - A/O

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Deburring, blending parting lines, and polishing • For hard-to-reach areas and inside and outside tube diameters • Cushioned control to polish and finesse the part • Egyptian cotton enables wheel to polish in finer grits 	<ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ○ Stainless ● Plastics ● Rubber ○ Wood ○ Composites 	

SIZE	GRIT	PART # 1/4" SHANK	EACH	PART # 1/4-20
3/4" x 3/4" STD. PKG. 10	60	21881	\$2.95	—
	80	21882	2.95	—
	120	33358	2.95	—
1" x 5/8" STD. PKG. 10	60	10101	2.95	10160
	80	10102	2.95	10161
	120	10103	2.95	10162
1" x 1" STD. PKG. 10	60	10104	2.75	10163
	80	10105	2.75	10164
	120	10106	2.75	10165
	180	10107	2.75	—
	240	17116	2.95	—
1 1/2" x 1/2" STD. PKG. 10	60	10108	3.00	10167
	80	10109	3.00	10168
	120	10110	3.00	10169
1 1/2" x 1" STD. PKG. 10	60	10114	3.40	10173
	80	10115	3.40	10174
	120	10116	3.40	10175
	180	10117	3.40	—
2" x 1/2" STD. PKG. 10	60	10118	3.50	10177
	80	10119	3.50	10178
	120	10120	3.50	10179

Other sizes and grits are available.



SIZE	GRIT	PART # 1/4" SHANK	PART # 1/4-20
2" x 1" STD. PKG. 10	40	10124	—
	60	10125	10184
	80	10126	10185
	120	10127	10186
	180	10128	10186
2" x 1 1/2" STD. PKG. 10	60	10130	—
	80	10131	—
	120	10132	—
2 1/2" x 1" STD. PKG. 10	60	10136	10192
	80	10137	10193
	120	10138	—
3" x 1/2" STD. PKG. 10	60	10142	10196
	80	10143	10197
	120	10144	—
3" x 1" STD. PKG. 10	40	10148	—
	60	10149	10203
	80	10150	10204
	120	10151	10205
	180	10152	10206
3" x 2" STD. PKG. 10	60	10157	—
	80	10158	—
	120	10159	—
1/4-20 ADAPTER 1/4" sk.			PART # 10208

COST CONTROL WHEELS

"X" WT. CLOTH - A/O

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Stiff poly/cotton material • First choice for heavy burr removal • Great for getting into small hard to reach areas • Sand ID & OD of tubes • Cushioned control to finesse polish 	<ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ○ Stainless ● Rubber ● Wood 	

SIZE	STD. PKG.	GRIT	PART #
1" x 1" 1/4" Shank	10	60	31809
		80	31810
		120	31811
1 1/2" x 1" 1/4" Shank	10	60	31812
		80	31813
		120	31814
2" x 1" 1/4" Shank	10	60	31815
		80	31816
		120	31817
3" x 1" 1/4" Shank	10	60	31818
		80	31819
		120	31820

Other sizes and grits are available.

FLAP MOPS

100% Egyptian Cotton



"J" WT. CLOTH - A/O

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Highly conformable • Great for polishing intricate parts • Cushioned control polish enables operator to finesse part • Sand ID and OD of tubes • Polish and debur irregular surfaces 	<ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ○ Stainless ● Rubber ● Wood 	

SIZE DIA. X WIDTH	GRIT	STD. PKG.	PART#
2" x 1" 1/4" Shank	120	10	28967
	180		28968
	240		28969
	320		28970
2 1/2" x 1 1/2" 1/4" Shank	120	10	28971
	180		28973
	240		28974
	320		28953
3" x 2" 1/4" Shank	120	5	28954
	180		28955
	240		28145
	320		28956

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BORE POLISHERS



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Self-centers to interior of tubes • Flushing wall sanding for smooth operation • Precise flap spacing ensures balance • Ideal for deburring, sizing, and cleaning cylinders, tubes, and hydraulic fittings 	<ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ● Stainless ● Plastics ○ Exotics 	

"X" WT. - 60 GRIT & UNDER - A/O

STYLE	I.D.'S	GRIT	PART #
SK-305 STD. PKG. 10	3/4" TO 1"	60	39161
		80	39162
		120	39163
		180	39164
SK-405 STD. PKG. 10	1" TO 1 1/2"	60	39165
		80	39166
		120	39117
		180	39167
SK-410 STD. PKG. 10	1 1/2" TO 2"	60	39168
		80	39169
		120	39170
		180	39171
SK-415 STD. PKG. 10	2 1/8" TO 2 1/2"	60	39172
		80	39173
		120	39174
		180	39175
SK-420 STD. PKG. 10	2 1/2" TO 3"	60	39176
		80	39177
		120	39178
		180	39179
SK-425 STD. PKG. 10	3 1/8" TO 4"	60	39180
		80	39181

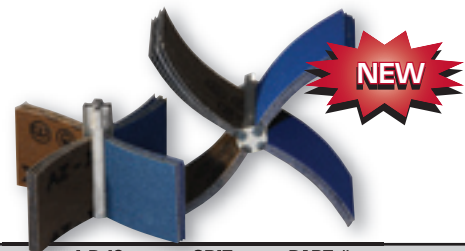
"T" WT. - 80 GRIT & ABOVE - A/O

STYLE	I.D.'S	GRIT	PART #
SK-425 STD. PKG. 10	3 1/8" TO 4"	120	39182
		180	39183
SK-810 STD. PKG. 10	2" TO 2 1/2"	60	39184
		80	39185
		120	39186
		180	39187
SK-815 STD. PKG. 10	2 5/8" TO 3"	60	39188
		80	39189
		120	39190
SK-820 STD. PKG. 10	3 1/8" TO 4"	180	39191
		60	39192
		80	39193
SK-825 STD. PKG. 10	4 1/4" TO 5 1/4"	120	39194
		180	39195
		60	39196
		80	39197
SK-830 STD. PKG. 10	5 1/4" TO 5 7/8"	120	39198
		180	39199
		60	39200
		80	39201
		120	39202
		180	39203

BORE POLISHERS

"X" WT. - ZIRC

STYLE	I.D.'S	GRIT	PART #
SK-305 STD. PKG. 10	3/4" TO 1"	60	46169
		80	46170
		120	46171
		180	46172
SK-405 STD. PKG. 10	1" TO 1 1/2"	60	46173
		80	46174
		120	46175
		180	46176
SK-410 STD. PKG. 10	1 1/2" TO 2"	60	46177
		80	46178
		120	46179
		180	46180



STYLE	I.D.'S	GRIT	PART #
SK-415 STD. PKG. 10	2 1/8" TO 2 1/2"	60	17218
		80	17219
		120	17220
		180	17221
SK-420 STD. PKG. 10	2 1/2" TO 3"	60	46181
		80	46182
		120	46183
		180	46184
SK-820 STD. PKG. 10	3 1/8" TO 4"	60	46195
		80	46196
		120	46197
		180	46239

LONGER SHANKS


STYLE	DESCRIPTION	THREAD	PART #
SK-144	1/4" X 4" LONG	1/4-20	39207
SK-146	1/4" X 6" LONG	1/4-20	39208
SK-148	1/4" X 8" LONG	1/4-20	39209

MANDRELS — 1/4" SHANK

STYLE	DESCRIPTION	THREAD	PART #
SK-3	FOR SK-305	5/16 -18	39204
SK-4	SK-4 SERIES	1/2-20	39205
SK-8	SK-8 SERIES	1/4-20	39206

CARTRIDGE ROLLS

"X" WT. CLOTH - A/O

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Aggressive cutting action Layers cut through, continually exposing fresh grain 100% cotton cushions cut in finer grits to polish 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Plastics 	



Available in
S/C & Zirc

SIZE	GRIT	PART #
3/16" x 1" x 3/32" STD. PKG. 100	80	11860
	100	18094
	120	11861
	180	18970
1/4" x 1" x 1/8" STD. PKG. 100	60	11862
	80	11863
	100	11864
	120	11865
	180	11866
	240	16984
1/4" x 1 1/2" x 1/8" STD. PKG. 100	60	11867
	80	11868
	100	11869
	120	11870
	180	11871
	240	16719
1/4" x 2" x 1/8" STD. PKG. 100	80	18666
	120	19723
5/16" x 1" x 1/8" STD. PKG. 100	60	19732
	80	16783
	120	18874
5/16" x 1 1/2" x 1/8" STD. PKG. 100	60	19741
	80	11872
	120	17068
3/8" x 1" x 1/8" STD. PKG. 100	60	11873
	80	11874
	100	19750
	120	11875
	180	11876
	240	19752
3/8" x 1 1/2" x 1/8" STD. PKG. 100	60	11877
	80	11878
	100	11879
	120	11880
	180	11881
	240	17160
3/8" x 2" x 1/8" STD. PKG. 100	60	21071
	80	18665
	120	23006
1/2" x 1" x 1/8" STD. PKG. 100	60	11882
	80	11883

Other sizes and grits are available.

SIZE	GRIT	PART #
1/2" x 1" x 1/8" STD. PKG. 100	100	11884
	120	11885
	180	11886
	240	18710
	320	16986
1/2" x 1 1/2" x 1/8" STD. PKG. 100	36	11887
	60	11889
	80	11890
	100	11891
	120	11892
	180	11893
	240	11894
1/2" x 2" x 1/8" STD. PKG. 100	50	19789
	60	17167
	80	16642
	120	18475
5/8" x 1" x 3/16" STD. PKG. 100	60	44878
	80	22008
	120	22984
5/8" x 1 1/2" x 3/16" STD. PKG. 100	60	19799
	80	19828
	120	19830
3/4" x 1" x 3/16" STD. PKG. 100	60	19852
	80	19853
	120	17007
3/4" x 1" x 1/4" STD. PKG. 100	60	17061
	80	16655
	120	16716
3/4" x 1 1/2" x 3/16" STD. PKG. 100	60	16069
	80	16704
	100	19880
	120	19881
3/4" x 1 1/2" x 1/4" STD. PKG. 100	60	11896
	80	11897
	120	11898
3/4" x 2" x 1/4" STD. PKG. 100	60	11899
	80	11900
	120	17120
1" x 1 1/2" x 1/4" STD. PKG. 100	60	17006
	80	18604
1" x 2" x 1/4" STD. PKG. 100	60	11901
	80	11902

Available in S/C Grits: 36, 40, 60, 80, 120, 150, 180.

Available in Zirc Grits: 36, 50, 60, 80, 120.

Available in Silicon & Zirc:

For silicon, multiply price above by 1.10

For zirc, multiply price above by 1.45

www.phoenixabrasives.com

1-800-474-6369 FAX: 952-881-7490

COST CONTROL CARTRIDGE ROLLS

"X" WT. CLOTH - A/O



Other sizes and grits are available.

SIZE	GRIT	PART #
1/4" x 1" x 1/8" STD. PKG. 100	60	17521
	80	17522
	120	17523
1/4" x 1 1/2" x 1/8" STD. PKG. 100	60	17525
	80	17526
	120	46813
3/8" x 1 1/2" x 1/8" STD. PKG. 100	60	17538
	80	17539
	120	17540
1/2" x 1 1/2" x 1/8" STD. PKG. 100	60	17550
	80	17551
	120	17556
3/4" x 1 1/2" x 3/16" STD. PKG. 100	60	17562
	80	17563
	120	17564

FULL TAPERED ROLLS

"X" WT. CLOTH - A/O

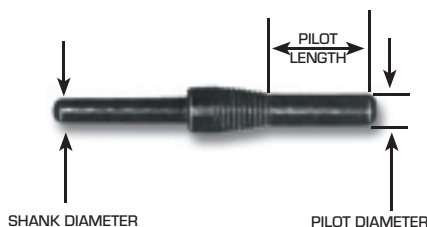
SIZE	GRIT	PART #
3/8" x 1" x 1/8" STD. PKG. 100	60	11904
	80	11905
	120	11906
	180	11907
3/8" x 1 1/2" x 1/8" STD. PKG. 100	60	11908
	80	11909
	120	11910
1/2" x 1" x 1/8" STD. PKG. 100	60	11912
	80	11913
	120	11914
1/2" x 1 1/2" x 1/8" STD. PKG. 100	36	16265
	50	17000
	60	11916
	80	11917

Other sizes and grits are available.

SIZE	GRIT	PART #
1/2" x 1 1/2" x 1/8" STD. PKG. 100	100	17001
	120	11918
	180	11919
	240	16987
	320	16988
1/2" x 2" x 1/8" STD. PKG. 100	60	16751
	80	20099
	120	30091
5/8" x 1 1/2" x 3/16" STD. PKG. 100	60	38597
	80	16615
3/4" x 1 1/2" x 3/16" STD. PKG. 100	60	16993
	80	16652
1" x 1 1/2" x 3/16" STD. PKG. 100	60	30341
	80	30342



CARTRIDGE ROLL MANDRELS



PILOT LENGTH FOR MANDRELS

Rolls 1" long, use 3/4" pilot length.

Rolls 1 1/2" long, use 1" pilot length.

Rolls 2" long, use 1 1/2" pilot length.

STYLE NO.	PILOT DIAMETER	PILOT LENGTH	SHANK DIAMETER	SHANK LENGTH	O/A LENGTH	PART #
M-1	5/64"	3/4"	1/8"	1"	2 3/4"	11920
M-2	3/32"	3/4"	1/8"	1"	2 3/4"	11921
M-4	1/8"	3/4"	1/8"	1"	2 3/4"	11923
M-5	1/8"	1"	1/8"	1"	3"	11924
M-6	1/8"	1 1/2"	1/8"	1"	3 1/2"	11925
M-7	1/8"	1/2"	1/4"	1 1/4"	2 1/4"	11926
M-8	1/8"	3/4"	1/4"	1 1/4"	2 1/2"	11927
M-8-6	1/8"	3/4"	1/4"	4 1/2"	6"	11928
M-9	1/8"	1"	1/4"	1 1/4"	2 3/4"	11929
M-9-6	1/8"	1"	1/4"	4 1/4"	6"	11930
M-9-8	1/8"	1"	1/4"	6 1/4"	8"	11931
M-10	1/8"	1 1/2"	1/4"	1 1/4"	3 1/4"	11932
M-15	3/16"	3/4"	1/4"	1 1/4"	2 3/4"	11934
M-16	3/16"	1"	1/4"	1 1/4"	3"	11935
M-16-6	3/16"	1"	1/4"	4 1/4"	6"	11936
M-17	3/16"	1 1/2"	1/4"	1 1/4"	3 1/2"	11937
M-20	1/4"	3/4"	1/4"	1 1/4"	2 3/4"	11939
M-21	1/4"	1"	1/4"	1 1/4"	3"	11940
M-21-6	1/4"	1"	1/4"	4 1/4"	6"	11941
M-22	1/4"	1 1/2"	1/4"	1 1/4"	3 1/2"	11942

CROSS & SQUARE PADS



CROSS PADS - A/O

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Propeller-like construction allows operator to see work piece. Flexible sanding for chamfering, edge breaking, tube finishing Great for deburring window wells, cleaning hydraulic cylinders, deburring drilled holes. 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Composites 	

SIZE	GRIT	STD. PKG.	PART #
1" x 1" x 3/8" 8 Ply 3-48	60	100	21281
	80		21282
	120		21284
1 1/2" x 1 1/2" x 1/2" 8 Ply 8-32	60	100	13523
	80		13524
	120		13526
2" x 2" x 1/2" 8 Ply 8-32	60	100	13545
	80		13546
	120		13548
2" x 2" x 3/4" 8 Ply 8-32	60	100	13567
	80		13568
	120		13570
3" x 3" x 1" 8 Ply 1/4-20	60	100	13743
	80		13744
	120		13746
4" x 4" x 1" 8 Ply 1/4-20	60	100	13787
	80		13788
	120		13790

MANDREL SIZES FOR CROSS & SQUARE PADS

STYLE	DESCRIPTION	PART #
EM-2	3-48 Eyelet - 1/4" Shank	21316
EM-3	8-32 Eyelet - 1/4" Shank	12218
EM-4	1/4-20 Eyelet - 1/4" Shank	12219



SQUARE PADS - A/O

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Intermittent strokes of corners provides aggressive grinding Fast cutting action, ideal for removing weld beads Layers cut through, continually exposing fresh grain 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Composites 	

SIZE	GRIT	STD. PKG.	PART #
1 1/2" x 1 1/2" x 3/8" 1/4-20	60	100	46845
	80		37819
	120		46844
1 1/2" x 1 1/2" x 1/2" 1/4-20	60	100	14009
	80		14010
	120		14012
1 1/2" x 1 1/2" x 3/4" 1/4-20	60	100	14020
	80		14021
	120		14023
2" x 2" x 3/8" 1/4-20	60	100	14042
	80		14043
	120		14045
2" x 2" x 1/2" 1/4-20	60	100	14053
	80		14054
	120		14056
3" x 3" x 1/2" 1/4-20	60	100	14097
	80		14098
	120		14100

Other sizes and grits available.

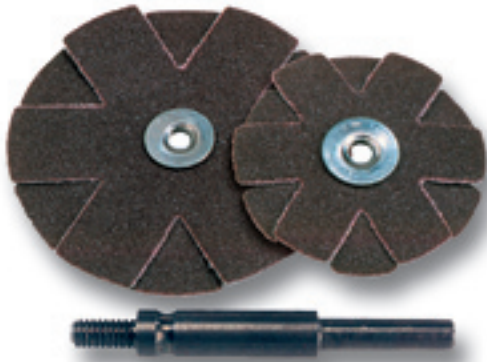
60° CENTER LAPS



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Rigid center lap holder reduces chatter Abrasive cloth will not slip with locknut holding system Designed to chamfer, debur and edge breaking of holes, round parts 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Composites 	<ul style="list-style-type: none"> Center Lapping Machines & Drill Presses

SIZE	GRIT	PART #	HOLDERS	PART #
3/4" - 60° STD. PKG. 100	60	12191	3/4"-60° x 1/2" SK.	12199
	80	12192		
	120	12193		
	180	12194		
1 1/2" - 60° STD. PKG. 100	60	12195	1 1/2"-60° x 1/2" SK.	12200
	80	12196		
	120	12197		
	180	12198		

CLOTH STARS



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Sand, polish I.D.'s, recessed areas, radii Standard set designed for one direction sanding; four per set designed for bidirectional sanding Great for light chamfering, edge breaking, and coating removal 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Rubber Composites 	

"X" WT. CLOTH - A/O

SIZE	GRIT	PART #
1 1/2" - 1/4-20 STD. PKG. 100 2 per set	60	38318
	80	38319
	120	38320
	180	38321
2" - 1/4-20 STD. PKG. 100 2 per set	60	38322
	80	38323
	120	38324
	180	38325
3" - 1/4-20 STD. PKG. 100 2 per set	60	38326
	80	38327
	120	38328
	180	38329

"X" WT. CLOTH - A/O

SIZE	GRIT	PART #
4" - 1/4-20 STD. PKG. 50 2 per set	60	38330
	80	38331
	120	38332
	180	38333
4 1/2" - 1/4-20 STD. PKG. 50 2 per set	60	38334
	80	38335
	120	38336
	180	38337
5" - 1/4-20 STD. PKG. 50 2 per set	60	38338
	80	38339
	120	38340
	180	38341

*4/Set-Double Price.

MINI FLAP DISCS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Aggressive grinding for tight areas Combines grinding and finishing Layers cut through to continually expose fresh grain Cotton layers cushion cutting action Great for removing cutting torch slag from steel and grinding welds 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Metal Matrix Composites 	



QUICK CHANGE TYPE "R" - ZIRC

SIZE	GRIT	PART #
2" STD. PKG. 10	36 ZIRC	37895
	40 ZIRC	37896
	60 ZIRC	37897
	80 ZIRC	37898
	120 ZIRC	37899
3" STD. PKG. 10	36 ZIRC	37905
	40 ZIRC	37906
	60 ZIRC	37907
	80 ZIRC	37908
	120 ZIRC	37909

TYPE "R" DISC HOLDERS - 1/4" SHANK

SIZE	DENSITY	PART #
2"	MED.	11275
3"	MED.	11276

INTRODUCTION TO FLAP DISCS



Flap Discs were developed in the 1980's, and have continued to gain popularity while the demand for many abrasive products has declined in that same period.

One of the keys to their success is that they allow an operator - even an unskilled one - to grind material and create a good finish in one step. Flap discs are very versatile, and the tools they are used on can be found in almost every factory, fabrication shop, and maintenance department.

They are easy to use, quiet, and can perform many jobs that previously used a grinding wheel to remove stock, followed by a sanding disc to create a smooth finish. This saves both time and labor.

While not as aggressive as an grinding wheel, Flap Discs:

- Are much easier to control
- Are much quieter to operate
- Do not chatter
- Are less likely to gouge, undercut or otherwise ruin the workpiece



Abrasive materials to match your application -

PREMIUM Zirconia for exceptional performance in both mild and stainless steel.

ULTIMATE Zirconia for the very best performance.

ULTIMATE Treated Zirconia for Stainless Steel applications.

SUPER Aluminum Oxide for mild steels.

A variety of backings -

Fiberglass - Very strong, yet wears away as the disc is consumed.

Aluminum - for rigid support. Zirconia grains in particular become more aggressive and productive as you apply slight pressure.

Our patented **AluEdge** which combines an aluminum backing with a unique consumable edge.

Plastic - Provides firm support, yet more economical than aluminum.

A choice of shapes -



Type 27 (Flat) - for finishing applications.



Type 29 (Conical) - with "built in grinding angle" for more aggressive stock removal.



Phoenix Abrasives offers a complete program of Mini Flap discs, as well as Flap Discs constructed of Nonwoven, Surface Conditioning and Felt Flaps for Finishing and Polishing.



PREMIUM Zirconia Alumina with Fiberglass Backing

More durable than aluminum oxide. Best choice when working on a variety of materials including carbon steel, stainless steel, aluminum, fiberglass and plastics.

Type 29 (Conical)



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Dimensions (Dia.xArbor)	Specifications						Max. R.P.M.	Box Qty.
	ZA24	ZA36	ZA40	ZA60	ZA80	ZA120		
4" x 5/8"	29100		29102	29103	29104	29106	15,300	10
4-1/2" x 7/8"	29110	29111	29112	29113	29114	29116	13,300	10
4-1/2" x 5/8-11	29120	29121	29122	29123	29124	29126	13,300	10
5" x 7/8"	29130		29132	29133	29134	29136	12,200	10
7" x 7/8"	29140	29141	29142	29143	29144	29146	8,600	10
7" x 5/8-11	29150	29151	29152	29153	29154	29156	8,600	10



Type 27 (Flat)



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Dimensions (Dia.xArbor)	Specifications						Max. R.P.M.	Box Qty.
	ZA24	ZA36	ZA40	ZA60	ZA80	ZA120		
4" x 5/8"	28100		28102	28103	28104	28106	15,300	10
4-1/2" x 7/8"	28110	28111	28112	28113	28114	28116	13,300	10
4-1/2" x 5/8-11	28120	28121	28122	28123	28124	28126	13,300	10
5" x 7/8"	28130		28132	28133	28134	28136	12,200	10
7" x 7/8"	28140	28141	28142	28143	28144	28146	8,600	10
7" x 5/8-11	28150	28151	28152	28153	28154	28156	8,600	10



PREMIUM Zirconia Alumina with Plastic Backing

The versatility of Zirconia grain, with a firmer plastic backing. Allows more operator pressure for more aggressive stock removal.

Type 29 (Conical)



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Dimensions (Dia.xArbor)	Specifications				Max. R.P.M.	Box Qty.
	ZA40	ZA60	ZA80	ZA120		
4-1/2" x 7/8"	31112	31113	31114	31116	13,300	10
5" x 7/8"	31132	31133	31134	31136	12,200	10



Type 27 (Flat)



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Dimensions (Dia.xArbor)	Specifications				Max. R.P.M.	Box Qty.
	ZA40	ZA60	ZA80	ZA120		
4-1/2" x 7/8"	30112	30113	30114	31116	13,300	10
5" x 7/8"	30132	30133	30134	30136	12,200	10



PREMIUM Zirconia Alumina Hi-Density "BIG BOY" with Fiberglass Backing

Up to 50% more material to dramatically increase product life.
Provides a more cushioned effect for finishing applications.



For Use On Angle Grinders

Type 29 (Conical)



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Dimensions (Dia.xArbor)	Specifications				Max. R.P.M.	Box Qty.
	ZA36	ZA40	ZA60	ZA80		
4-1/2" x 7/8"	36111	36112	36113	36114	13,300	10
4-1/2 x 5/8-11	36121	36122	36123	36124	13,300	10
5" x 7/8"	36131	36132	36133	36134	12,200	10
7" x 7/8"	36141	36142	36143	36144	8,600	10



Type 27 (Flat)



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Dimensions (Dia.xArbor)	Specifications				Max. R.P.M.	Box Qty.
	ZA36	ZA40	ZA60	ZA80		
4-1/2" x 7/8"	35111	35112	35113	35114	13,300	10
4-1/2 x 5/8-11	35121	35122	35123	35124	13,300	10
5" x 7/8"	35131	35132	35133	35134	12,200	10
7" x 7/8"	35141	35142	35143	35144	8,600	10



ULTIMATE Backing with Patented AluEdge

Our patented grinding edge offers the rigid support of an aluminum backing. The outer grinding edge supports the flaps, yet wears away allowing full use of the disc. Combined with a 100% zirconia grain on a polyester backing to create the best performing disc for aggressive applications!

Type 29 (Conical)



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Dimensions (Dia.xArbor)	Specifications				Max. R.P.M.	Box Qty.
	VZ40	VZ60	VZ80	VZ120		
4-1/2" x 7/8"	34612	34613	34614	34616	13,300	10
4-1/2" x 5/8-11	34622	34623	34624	34626	13,300	10
5" x 7/8"	34632	34633	34634	34636	12,200	10
7" x 7/8"	34642	34643	34644	34646	8,600	10
7" x 5/8-11	34652	34653	34654	34656	8,600	10

New!





ULTIMATE Treated Zirconia Alumina with Fiberglass Backing For Stainless Steel applications

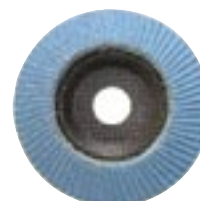
Made with a specially Treated Zirconia Alumina (TZA) grain and top coat for cooler grinding and faster stock removal on harder materials like stainless steel.

Type 29 (Conical)



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Dimensions (Dia.xArbor)	Specifications			Max. R.P.M.	Box Qty.
	TZA40	TZA60	TZA80		
4-1/2" x 7/8"	39212	39213	39214	13,300	10
4-1/2" x 5/8-11	39222	39223	39224	13,300	10
5" x 7/8"	39232	39233	39234	12,200	10
7" x 7/8"	39242	39243	39244	8,600	10
7" x 5/8-11	39252	39253	39254	8,600	10

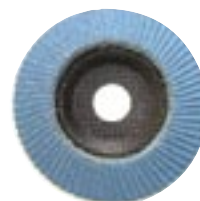


Type 27 (Flat)



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Dimensions (Dia.xArbor)	Specifications			Max. R.P.M.	Box Qty.
	TZA40	TZA60	TZA80		
4-1/2" x 7/8"	38212	38213	38214	13,300	10
4-1/2" x 5/8-11	38222	38223	38224	13,300	10
5" x 7/8"	38232	38233	38234	12,200	10
7" x 7/8"	38242	38243	38244	8,600	10
7" x 5/8-11	38252	38253	38254	8,600	10



SUPER Aluminum Oxide with Fiberglass Backing

For general grinding and finishing on carbon, steel and aluminum.
Available through grit size 320.

Type 29 (Conical)



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Dimensions (Dia.xArbor)	Specifications					Max. R.P.M.	Box Qty.
	A24	A40	A60	A80	A120		
4" x 5/8"	29000	29002	29003	29004	29006	15,300	10
4-1/2" x 7/8"	29010	29012	29013	29014	29016	13,300	10
4-1/2" x 5/8-11	29020	29022	29023	29024	29026	13,300	10
5" x 7/8"	29030	29032	29033	29034	29036	12,200	10
7" x 7/8"	29040	29042	29043	29044	29046	8,600	10
7" x 5/8-11	29050	29052	29053	29054	29056	8,600	10



Type 27 (Flat)



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Dimensions (Dia.xArbor)	Specifications					Max. R.P.M.	Box Qty.
	A24	A40	A60	A80	A120		
4" x 5/8"	28000	28002	28003	28004	28006	15,300	10
4-1/2" x 7/8"	28010	28012	28013	28014	28016	13,300	10
4-1/2" x 5/8-11	28020	28022	28023	28024	28026	13,300	10
5" x 7/8"	28030	28032	28033	28034	28036	12,200	10
7" x 7/8"	28040	28042	28043	28044	28046	8,600	10
7" x 5/8-11	28050	28052	28053	28054	28056	8,600	10



SPIRAL WOUND BANDS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Precise diameter sanding Sand contoured parts Quickly replace dull band with new one, no down time Remove parting lines, surface imperfections, tool marks, burrs Remove flashing from metal, plastic, rubber 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Rubber Composites 	



"X" WT. CLOTH - A/O

DIA. X LENGTH	GRIT	PART #
1/2" X 1/2" STD. PKG. 100	60	11947
	80	11948
	100	19208
	120	11949
1/2" X 1" STD. PKG. 100	36	11950
	50	11952
	60	11953
	80	11954
	100	16075
1/2" X 2" STD. PKG. 100	120	11955
	36	19245
	60	16671
	80	17169
3/4" X 1" STD. PKG. 100	120	17170
	36	11962
	50	11964
	60	11965
3/4" X 1 1/2" STD. PKG. 100	80	11966
	100	19305
	120	11967
	180	19307
	36	11968
	60	11971
3/4" X 2" STD. PKG. 100	80	11972
	120	11973
	36	11974
	50	11976
1" X 1" STD. PKG. 100	60	11977
	80	11978
	24	11980
	36	11981
	40	11982
	50	11983
1" X 1 1/2" STD. PKG. 100	60	11984
	80	11985
	100	16965
	120	11986
	180	18579
	24	11987
	36	11988
50	11990	
60	11991	
80	11992	
120	11993	

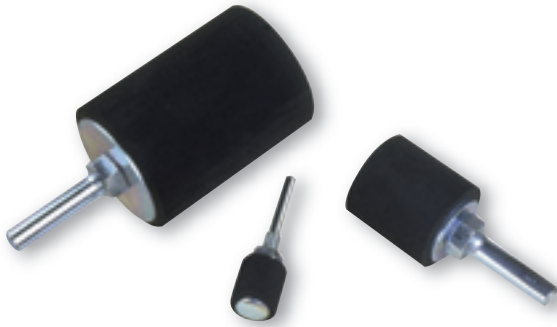
DIA. X LENGTH	GRIT	PART #
1 1/2" X 1" STD. PKG. 100	36	16765
	40	18762
	60	18765
	80	16683
	100	19459
1 1/2" X 1 1/2" STD. PKG. 100	24	12001
	36	12002
	40	12003
	50	12004
	60	12005
	80	12006
2" X 1" STD. PKG. 100	120	12007
	36	12016
	40	12017
	60	12019
2" X 1 1/2" STD. PKG. 100	80	12020
	120	12021
	24	12022
	36	12023
2" X 2" STD. PKG. 100	40	12024
	60	12026
	80	12027
	24	12029
	36	12030
	40	12031
3" X 3" STD. PKG. 100	60	12033
	80	12034
	120	12035
	24	12050
	36	12051
40	12052	
60	12054	
80	12055	
120	12056	

S/C & Zirc available. Call for price and delivery.

Other sizes and grits are available.



EXPANDING DRUMS

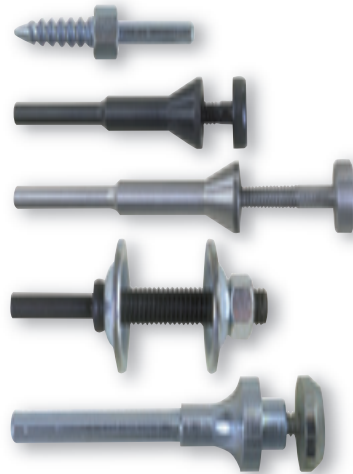


SIZE	PART #
1/4" x 1/2" x 1/8"	12057
3/8" x 1/2" x 1/8"	12058
1/2" x 1/2" x 1/8"	12059
1/2" x 1/2" x 1/4"	12060
1/2" x 1" x 1/4"	12061
1/2" x 1 1/2" x 1/4"	12062

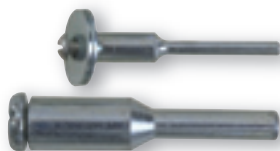
SIZE	PART #
1/2" x 2" x 1/4"	12063
5/8" x 1 1/2" x 1/4"	12066
5/8" x 2" x 1/4"	12067
3/4" x 1/2" x 1/4"	12068
3/4" x 1" x 1/4"	12069
3/4" x 1 1/2" x 1/4"	12070
3/4" x 2" x 1/4"	12071
1" x 1" x 1/4"	12073
1" x 1 1/2" x 1/4"	12074
1" x 2" x 1/4"	12075
1" x 3" x 1/4"	12076
1 1/2" x 1" x 1/4"	12080
1 1/2" x 1 1/2" x 1/4"	12081
2" x 1/2" x 1/4"	12083
2" x 1" x 1/4"	12084
2" x 1 1/2" x 1/4"	12085
2" x 2" x 1/4"	12086
3" x 3" x 3/8"	12090

WHEEL MANDRELS

STYLE	MAX. WHEEL THICKNESS	ARBOR HOLE	SHANK	PART #
W-11	1"	3/16"	1/4"	37519
W-14	1/4"	1/4"	1/4"	12213
W-38	1/4"	3/8"	1/4"	12214
W-1438	1/4"	1/4" & 3/8"	1/4"	26222
W-14-5	1/2"	1/4"	1/4"	35733
W-14-10	1"	1/4"	1/4"	35734
1342	5/8"	1/4"	1/4"	10540
W-23	3/4"	3/8"	1/4"	12215
W-24	1/2"	1/2"	1/4"	12216
D12-1	1/4"	1/4"	1/4"	12211
D12-2	1/4"	3/8"	1/4"	12212




DISC MANDRELS



STYLE	ARBOR HOLE	O.A.L.	SHANK	PART #
D-1	1/16"	1 3/4"	1/8"	12220
D-2	1/8"	1 3/4"	1/8"	12221
D3-1	1/8"	2"	1/4"	12222
D3-2	1/4"	2"	1/4"	12223
D4-1	1/8"	3"	1/4"	12224
D4-2	1/4"	3"	1/4"	12225

SHOP ROLLS

FLEXIBLE "J" WT. RESIN CLOTH - A/O

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Flexible material, fast cutting action Easily used for hand applications Ideal for lathe work when sanding to precise size Use what you need to reduce waste Standard tool for maintenance departments, machine shops 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Rubber Composites 	

SIZE	GRIT	PART #
1" x 50 Yds. STD. PKG. 1	50J	12106
	60J	12107
	80J	12108
	100J	12109
	120J	12110
	150J	12111
	180J	12112
	220J	12113
	240J	12114
	320J	12115
	400J	12116
	500J	12117
Crocus	40038	
1½" x 50 Yds. STD. PKG. 1	50J	12118
	60J	12119
	80J	12120
	100J	12121
	120J	12122
	150J	12123
	180J	12124
	220J	12125
	240J	12126
	320J	12127
	400J	12128
	500J	12129
Crocus	40039	
2" x 50 Yds. STD. PKG. 1	50J	12130
	60J	12131
	80J	12132
	100J	12133
	120J	12134
	150J	12135
	180J	12136
	220J	12137
	240J	12138
	320J	12139
	400J	12140
	500J	12141
Crocus	40040	



BLUE SHOP ROLLS

SIZE	GRIT	PART #
1" x 50 Yds. STD. PKG. 1	60J	44951
	80J	44952
	100J	44953
	120J	44954
	150J	44955
	180J	44956
1½" x 50 Yds. STD. PKG. 1	240J	44958
	60J	44959
	80J	44960
	100J	44961
	120J	44962
	150J	44963
2" x 50 Yds. STD. PKG. 1	180J	44964
	240J	44966
	60J	44967
	80J	44968
	100J	44969
	120J	44970
2" x 50 Yds. STD. PKG. 1	150J	44971
	180J	44972
	240J	44974

PRODUCTION ROLLS


FLEXIBLE "J" WT. RESIN CLOTH - A/O

SIZE	GRIT	PART #
3" x 50 Yds. STD. PKG. 1	60J	26395
	80J	26870
	120J	26461
	180J	35158
	240J	27595
4" x 50 Yds. STD. PKG. 1	60J	34588
	80J	27710
	120J	26975
	180J	27643
	240J	26976
6" x 50 Yds. STD. PKG. 1	60J	27135
	80J	27136
	120J	27137
	180J	27138
	240J	27139
12" x 50 Yds. STD. PKG. 1	60J	35222
	80J	33452
	120J	33405
	180J	38439
	240J	38440

COST CONTROL SHOP ROLLS - A/O

SIZE	GRIT	PART #
1" x 50 Yds. STD. PKG. 1	60J	26682
	80J	26683
	100J	26684
	120J	26685
	180J	26687
	240J	26689
1½" x 50 Yds. STD. PKG. 1	320J	26690
	60J	26694
	80J	26695
	100J	26696
	120J	26697
	180J	26699
2" x 50 Yds. STD. PKG. 1	240J	26701
	320J	26702
	60J	26726
	80J	26727
	100J	26728
	120J	26729
2" x 50 Yds. STD. PKG. 1	180J	26731
	240J	26733
	320J	26734

CLOTH SHEETS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Flexible material, fast cutting action • Easily used for hand applications • Ideal for lathe work when sanding to precise size • Use what you need to reduce waste • Standard tool for maintenance departments, machine shops 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Plastics ● Wood ● Composites 	



A/O RESIN - CLOTH SHEETS

SIZE	GRIT	PART #
9" x 11" STD. PKG. 50	40X	12145
	50X	12146
	60X	12147
	80J	12148
	100J	12149
	120J	12150
	150J	12151
	180J	12152
	220J	12153
	240J	12154
	320J	12155
	400J	12156
	500J	12157

EMERY CLOTH SHEETS

SIZE	GRIT	PART #
9" x 11" STD. PKG. — 50	Fine	12176
	Medium	12175
	Coarse	12174

CROCUS CLOTH SHEETS

SIZE	GRIT	PART #
9" x 11" STD. PKG. — 50	Crocus	16130

PAPER SHEETS



GARNET PAPER SHEETS

SIZE	GRIT	STD. PKG.	PART #
9" x 11"	40D	50	16897
	60D	50	16899
	80C	50	16900
	100C	100	16903
	120C	100	16905
	180A	100	16908
220A	100	16909	

S/C WATERPROOF PAPER SHEETS


SIZE	GRIT	PART #
9" x 11" STD. PKG. 50	80C	12158
	100C	21306
	120C	12159
	150C	18343
	180C	12160
	220A	12161
	240A	12162
	320A	12163
	400A	12164
	500A	12165
	600A	12166
	1000	40208
	1500	41347

A/O CABINET PAPER SHEETS

SIZE	GRIT	PART #
9" x 11" STD. PKG. 50	40D	12167
	60D	12168
	80D	12169
	100C	12170
	120C	12171

COST CONTROL BELTS

A/O "X" WT. RESIN BOND

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Aggressive cutting action, long life • For sanding all types of metal • Grinding and deburring to high production sanding and polishing • Used on wide range of machines from simple combination sanders to precise robotic cells 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Plastics ● Wood ● Composites 	



SIZE	GRIT	PART #
1" x 30" STD. PKG. 50	60	10729
	80	10730
	100	10731
	120	10732
	180	10733
1" x 42" STD. PKG. 50	60	10738
	80	10739
	100	10740
	120	10741
2" x 72" STD. PKG. 10	60	10801
	80	10802
3" x 21" STD. PKG. 10	60	10855
	80	10856

SIZE	GRIT	PART #
4" x 24" STD. PKG. 10	60	10945
	80	10946
	100	10947
	120	10948
4" x 36" STD. PKG. 10	50	10953
	60	10954
	80	10955
	120	10957
6" x 48" STD. PKG. 10	36	11032
	40	11033
	50	11034
	60	11035
	80	11036
	100	11037
	120	11038

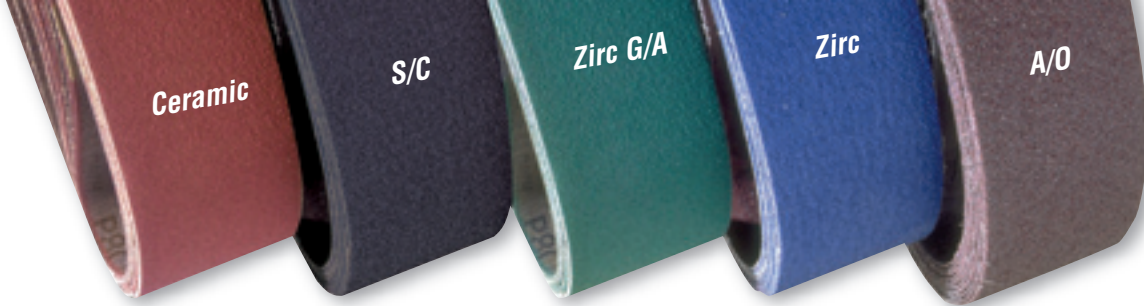
Cost Control belts are only available in the sizes and grits shown.

BELT & DISC CLEANING STICKS

SIZE	PART #
1½" x 1½" x 8"	41253
2" x 2" x 12"	41252



Not intended for use on wide belt or conveyor type sanders.



BELTS

"X" WT. RESIN BOND - A/O

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Aggressive cutting action, long life • For sanding all types of metal • Grinding and deburring to high production sanding and polishing • Used on wide range of machines from simple combination sanders to precise robotic cells 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Wood ● Exotics ● Metal Matrix ● Composites 	

SIZE	GRIT	STD. PKG.	PART #
3/8" x 13"	36	200	10667
	40	200	10668
	50	200	10669
	60	50	10670
	80	50	10671
	100	200	10672
	120	50	10673
1/2" x 12"	180	200	10674
	36	200	10675
	40	200	10676
	50	200	10677
	60	50	10678
	80	50	10679
	100	200	10680
1/2" x 18"	120	200	10681
	180	200	10682
	36	200	14384
	40	200	14385
	50	200	14386
	60	50	14387
	80	50	14388
1/2" x 24"	100	200	14389
	120	200	14390
	180	200	14392
	36	50	10683
	40	50	10684
	50	200	10685
	60	50	10686
3/4" x 18"	80	50	10687
	100	200	10688
	120	50	10689
	180	200	10690
	36	200	10691
	40	200	10692
	50	200	10693
3/4" x 20 1/2"	60	50	10694
	80	50	10695
	100	200	10696
	120	50	10697
	180	200	10698
	36	200	10699
	40	200	10700
50	200	10701	
3/4" x 20 1/2"	60	50	10702
	80	50	10703
	100	200	10704
	120	200	10705
	180	200	10706

SIZE	GRIT	STD. PKG.	PART #
1" x 42"	36		10735
	40		43834
	50		10737
	60		43835
	80	100	43836
	100		43837
	120		43838
	180		43839
	240		18925
	320		20059
1 1/8" x 21"	36		10744
	40		10745
	50		10746
	60	50	10747
	80		10748
	100		10749
	120		10750
1 1/2" x 60"	180		28224
	36		10753
	40		10754
	50		10755
	60	50	10756
	80		10757
	100		10758
1 1/2" x 72"	120		10759
	180		10760
	36		10762
	40		10763
	50		10764
	60	50	10765
	80		10766
2" x 20"	100		10767
	120		10768
	180		28104
	36		10771
	40		10772
	50		10773
	60	50	10774
2" x 48"	80		10775
	100		10776
	120		10777
	180		10778
	36		10780
	40		10781
	50		10782
2" x 48"	60	50	10783
	80		10784
	100		10785
	120		10786
	180		10787

All belts must be ordered in full standard packages.

BELTS



A/O

"X" WT. RESIN BOND

SIZE	GRIT	STD. PKG.	PART #
2" x 60"	36	50	10789
	40		10790
	50		10791
	60		10792
	80		10793
	100		10794
	120		10795
	180		10796
2" x 132"	24	50	10806
	36		10807
	40		10808
	50		10809
	60		10810
	80		10811
	100		10812
	120		10813
	180		10814
	240		20633
320	16185		
2½" x 48"	36	50	10816
	40		10817
	50		10818
	60		10819
	80		10820
	100		10821
	120		10822
	180		27734
2½" x 60"	36	50	10825
	40		10826
	50		10827
	60		10828
	80		10829
	100		10830
	120		10831
	180		10832
2½" x 72"	36	50	10834
	40		10835
	50		10836
	60		10837
	80		10838
	100		10839
	120		10840
	180		10841
3" x 18"	36	50	10843
	40		10844
	50		10845
	60		10846
	80		10847
	100		10848
	120		10849
	180		10850
3" x 60"	36	50	10870
	40		10871
	50		10872
	60		10873
	80		10874
	100		10875
	120		10876
	180		10877

SIZE	GRIT	STD. PKG.	PART #
3" x 72"	36	50	10879
	40		10880
	50		10881
	60		10882
	80		10883
	100		34898
	120		10884
	180		10886
3" x 90"	36	50	10888
	40		10889
	50		10890
	60		10891
	80		10892
	100		10893
	120		10894
	180		10895
3" x 132"	24	50	32284
	36		10897
	40		10898
	50		10899
	60		10900
	80		10901
	100		10902
	120		10903
180	10904		
240	16773		
320	17060		
3" x 168"	24	50	10905
	36		10906
	40		10907
	50		10908
	60		10909
	80		10910
	100		10911
	120		10912
180	28161		
3½" x 15½"	36	50	10915
	40		10916
	50		10917
	60		10918
	80		10919
	100		10920
	120		10921
	180		10922
4" x 21"	36	50	10924
	40		10925
	50		10926
	60		10927
	80		10928
	100		10929
	120		10930
	180		20977
4" x 21¾"	36	50	10933
	40		10934
	50		10935
	60		10936
	80		10937
	100		10938
	120		10939
	180		10940

Other sizes and grits available.

Ceramic

S/C

Zirc G/A

Zirc

A/O

BELTS

A/O
"X" WT. RESIN BOND

SIZE	GRIT	STD. PKG.	PART #
4" x 54"	24	50	10959
	36		10960
	40		10961
	50		10962
	60		10963
	80		10964
	100		10965
	120		10966
	180		10967
4" x 60"	24	50	10968
	36		10969
	40		10970
	50		10971
	60		10972
	80		10973
	100		10974
	120		10975
	180		10976
4" x 84"	24	50	10977
	36		10978
	40		10979
	50		10980
	60		32319
	80		10982
	100		10983
	120		10984
	180		10985
4" x 90"	24	50	10986
	36		10987
	40		10988
	50		10989
	60		10990
	80		10991
	100		10992
	120		10993
	180		10994
4" x 96"	24	50	10995
	36		10996
	40		10997
	50		10998
	60		10999
	80		11000
	100		11001
	120		11002
	180		11003
4" x 106"	24	50	11004
	36		11005
	40		11006
	50		11007
	60		11008
	80		11009
	100		11010
	120		11011
	180		11012
4" x 132"	24	50	11013
	36		11014
	40		11015
	50		11016
	60		11017
	80		11018
	100		11019
	120		11020
	180		11021

SIZE	GRIT	STD. PKG.	PART #
4" x 168"	24	50	11022
	36		11023
	40		11024
	50		11025
	60		11026
	80		11027
	100		11028
	120		33378
	180		11030
6" x 48"	24	20	11031
	36		43840
	40		43841
	50		43842
	60		43843
	80		43844
	100		43845
	120		43846
	180		11039
6" x 60"	24	20	14967
	36		14968
	40		14969
	50		14970
	60		14971
	80		14972
	100		14973
	120		14974
	180		14976
6" x 132"	24	20	14981
	36		14982
	40		14983
	50		14984
	60		14985
	80		29767
	100		14987
	120		14988
	180		14990
6" x 168"	24	20	11040
	36		11041
	40		11042
	50		11043
	60		11044
	80		11045
	100		11046
	120		11047
	180		11048
8" x 107"	24	20	11058
	36		11059
	40		11060
	50		11061
	60		11062
	80		11063
	100		11064
	120		11065
	180		11066
10" x 70½"	24	20	11067
	36		11068
	40		11069
	50		11070
	60		11071
	80		11072
	100		11073
	120		11074
	180		11075

Other sizes and grits are available.

www.phoenixabrasives.com

WIDE CLOTH BELTS



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Aggressive cutting action • For sanding all types of materials • Wide belts can be washed for extended life • Used on a wide range of machines, such as Time Savers 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Wood ● Solid Surfaces ● Composites 	

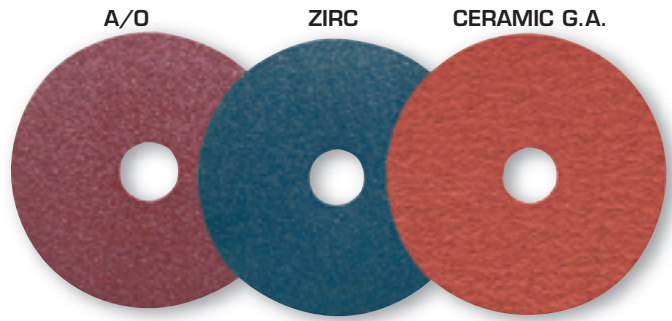
"X" WT. RESIN BOND - A/O

SIZE	GRIT	PART #
18" x 85" STD. PKG. 3	36	24353
	40	24354
	50	24355
	60	24356
	80	24357
	100	24358
	120	24359
19" x 48" STD. PKG. 3	36	26100
	40	38436
	50	38437
	60	38438
	80	21357
	100	37938
	120	25289
25" x 60" STD. PKG. 3	36	24379
	40	24380
	50	24381
	60	24382
	80	24383
	100	24384
	120	24385
25" x 75" STD. PKG. 3	36	24391
	40	24392
	50	24393
	60	24164
	80	24394
	100	24395
	120	24165
30" x 103" STD. PKG. 3	36	24398
	40	24399
	50	24400
	60	24401
	80	24402
	100	24403
	120	21681
36" x 60" STD. PKG. 3	36	24406
	40	24407
	50	24408
	60	24409
	80	24410
	100	24411
	120	24412
180	24413	

SIZE	GRIT	PART #
36" x 75" STD. PKG. 3	36	24417
	40	24418
	50	24419
	60	24420
	80	18704
	100	24421
	120	24422
37" x 60" STD. PKG. 3	36	24425
	40	22886
	50	17150
	60	21649
	80	17151
	100	16723
	120	30361
37" x 75" STD. PKG. 3	36	24427
	40	24428
	50	24429
	60	18975
	80	18976
	100	24430
	120	24167
50" x 103" STD. PKG. 3	36	24432
	40	24433
	50	24434
	60	24435
	80	24436
	100	24437
	120	24438
52" x 75" STD. PKG. 3	36	24441
	40	24442
	50	24443
	60	24444
	80	24445
	100	24446
	120	24447
52" x 103" STD. PKG. 3	36	24459
	40	24460
	50	24461
	60	24462
	80	24463
	100	24464
	120	24465
180	24466	

Other sizes and grits available.

RESIN FIBRE DISCS



PREMIUM A/O

SIZE	GRIT	7/8" HOLE		5/8-11 QUICK-CHANGE PART#
		PART #	PART#	
4 1/2" STD. PKG. 25	24	11718		11768
	36	11719		11769
	50	11720		11770
	60	11721		11771
	80	11722		11772
5" STD. PKG. 25	16	11725		11775
	24	11726		11776
	36	11727		11777
	50	11728		11778
	60	11729		11779
7" STD. PKG. 25	16	11733		11783
	24	11734		11784
	36	11735		11785
	50	11736		11786
	60	11737		11787
	80	11738		11788
	120	11740		11790

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Grinding and stock removal Blending welds, surface leveling Most aggressive coated abrasive for sanding large areas Removes paint, rust, and surface imperfections Fibre backing adds rigidity 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ○ Stainless ○ Exotics ○ Metal Matrix ● Composites 	

CROSS REFERENCE

Phoenix	Norton	3M	VSM	Gemtex	Sait	Hermes	Carbo
A/O	F226	281C 381C	KF708	A-TYPE C-TYPE	2A	RB314X	V0945 V0947
Zirc	F826	501C	ZF713	ZEE TYPE	Z	RB414X	Z1145 V1247
Ceramic GA	F944 F968	988C 983C 785C	SF750 SF840	PMD	—	CB444X	V2547

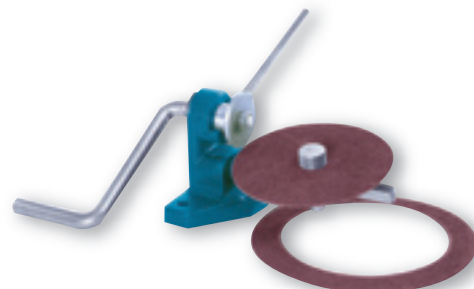
PREMIUM ZIRC

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Heavy grinding, stock removal, weld blending, surface leveling Most aggressive coated abrasive for sanding large areas Ideal for stainless Fibre backing adds rigidity and grain support 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Exotics ● Metal Matrix ● Composites 	

SIZE	GRIT	7/8" HOLE		5/8-11 QUICK-CHANGE PART#
		PART #	PART#	
4 1/2" STD. PKG. 25	24	11748		11798
	36	11749		11799
	50	11750		11800
	60	11751		11801
	80	11752		11802
5" STD. PKG. 25	24	11753		11803
	36	11754		11804
	50	11755		11805
	60	11756		11806
	80	11757		11807
7" STD. PKG. 25	24	11758		11808
	36	11759		11809
	50	11760		11810
	60	11761		11811
	80	11762		11812



"ROUNDER" FIBRE DISC CUTTER

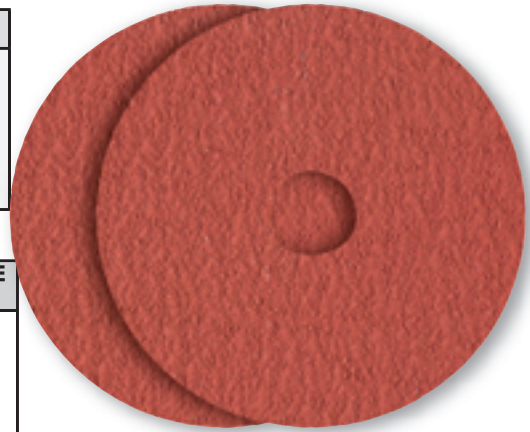
DESCRIPTION	PART#
Disc Cutter With Blades	12142
Replacement Upper Blade	12143
Replacement Lower Blade	12144



RESIN FIBRE DISCS

CERAMIC G.A.

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Heavy grinding, stock removal, when heat is an issue • Heavy weld blending and surface leveling • Aggressive sanding • Ideal for grinding titanium and exotic metals • Fibre backing adds rigidity and grain support 	 <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Metal Matrix Composites 	





SIZE	GRIT	7/8" HOLE PART #	PART#	5/8-11 QUICK-CHANGE
4 1/2" STD. PKG. 25	24	43582	43900	
	36	43583	43901	
	50	43830	43902	
	60	43553	43903	
	80	43831	43904	
5" STD. PKG. 25	24	42965	43905	
	36	42966	43906	
	50	42967	43907	
	60	42655	43908	
	80	41929	43909	
7" STD. PKG. 25	24	40703	43910	
	36	40704	43911	
	50	42390	43912	
	60	40705	43913	
	80	42969	43914	

MINI FIBRE DISCS

CERAMIC G.A.



TYPE "R"

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Heavy grinding, stock removal, when heat is an issue • Heavy weld blending and surface leveling • Aggressive sanding in tight areas • Ideal for grinding titanium and exotic metals • Fibre backing adds rigidity and grain support 	 <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Metal Matrix Composites 	

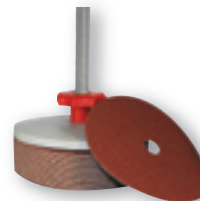
SIZE	GRIT	STD. PKG.	PART #	TYPE "R" HOLDERS	PART #
2"	36	50	43193	2" x 1/4" SK.	11275
	60		44122		
	80		42798		
3"	36	25	44007	3" x 1/4" SK.	11276
	60		44123		
	80		42793		



Supplied for 5/8 - 11 Threaded Arbor

AIR COOLED BACK UP PADS

STYLE	DESCRIPTION	PART #
R425	4 1/2" Medium	11847
R500	5" Medium	11850
F700	7" Flexible	11852
R700	7" Medium	11853
H700	7" Rigid	11854
R900	9" Medium	11856
D11	Pad Nut	11858
PW10	Pad Wrench	11859



FIBER DISC HOLDER
Part # **45176**

EDGE COOL BACK UP PADS

STYLE	DESCRIPTION	PART #
MEDIUM	4 1/2" x 5/8" Plain Arbor with a 5/8-11 Pad Nut	45217
MEDIUM	5" x 5/8" Plain Arbor with a 5/8-11 Pad Nut	45218

Nut and wrench not supplied with pad, must be ordered separately.

CUT-OFF WHEELS



CUT-OFF WHEEL MANDRELS

STYLE	ARBOR HOLE	SHANK	PART #
W-14	1/4"	1/4"	12213
W-38	3/8"	1/4"	12214
W-1438	1/4" & 3/8"	1/4"	26222

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Resinoid cut-off wheels are reinforced with woven fiberglass Provides fast, clean cutting action Great for angle iron, pipes, high tensile steel, and stainless 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Composites 	

SIZE DIA. X WIDTH X HOLE	GRIT	STD. PKG.	PART #
2" x 1/32" x 1/4"	A60T	100	45260
2" x 1/16" x 1/4"	A46T	50	45261
2" x 1/8" x 1/4"	A36R	25	45262
3" x 1/32" x 1/4"	A60T	100	45266
3" x 1/16" x 1/4"	A46T	50	45267
3" x 1/8" x 1/4"	A36R	25	45263
3" x 1/32" x 3/8"	A60T	100	45264
3" x 1/16" x 3/8"	A46T	50	45265
3" x 1/8" x 3/8"	A36R	25	45268
4" x 1/32" x 3/8"	A60T	100	45269
4" x 1/16" x 3/8"	A46T	50	45270
4" x 1/8" x 3/8"	A36R	25	45271

TYPE-27 CUT-OFF FOR ANGLE GRINDERS

SIZE DIA. X WIDTH X HOLE	GRIT	STD. PKG.	PART #
4 1/2" x .045" x 7/8"	A60T	25	45272



DEPRESSED CENTER WHEELS

TYPE-27



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Resinoid cut-off wheels are reinforced with woven fiberglass Designed for weld grinding on mild steel, angle iron, and stainless Aluminum oxide grain provides long life 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Composites 	

SIZE DIA. X WIDTH X HOLE	GRIT	STD. PKG.	PART #
4 1/2" x 1/4" x 7/8"	A24R	25	45273
4 1/2" x 1/4" x 5/8-11	A24R	10	45275
7" x 1/4" x 7/8"	A24R	25	45277
7" x 1/4" x 5/8-11	A24R	10	45279

PHOENIX ABRASIVES, INC.

"YOUR ONE STOP ABRASIVES SHOP!"

NON-WOVENS



10479 METAL FIN WHEEL

MAX RPM

3000

OBEY
SAFETY CODE



RUN

SIZE

6 X 2 X 1

GRADE
SS MED

FD

FD or Finish Duty products enable the operator to prepare the work piece with a required surface finish.

FEATURES:

- Provide a consistent cut rate
- Maintain a repeatable measured finish
- Added flexibility

GD

GD or Grind Duty products provide an aggressive cut when a specific finish is not needed.

FEATURES:

- Aggressively remove welds and burrs
- Sustain a high cut rate
- Maintain a durable edge

FLEX

FLEX is a highly flexible surface conditioning material specially formulated to ensure outstanding grain retention.

FEATURES:

- Perfect for Dynaflex® tools
- Great edge wear for demanding jobs
- Aggressively maintains a consistent finish

XE

XE or High Performance products feature added Ceramic grain for extended durability and aggression.

FEATURES:

- Highest stock removal
- Firm cutting action for flat surfaces
- Long life

CC

CC or Cost Control products enables the user to maintain a constant finish while watching costs.

FEATURES:

- High initial cut rate
- Consistent finish
- Added value

LS

LS or Low Stretch surface conditioning material is designed to resist stretching for precise, repeatable finishes.

PHOENIX ABRASIVES INC. SURFACE CONDITIONING SOLUTIONS

Surface conditioning material is comprised of several components which drive the product's performance. It's scrim, or woven substrate, supports a nylon fibrous mesh. The nylon fibers are the cushioning foundation which carries the grain media providing the cutting action. The grain composition is bonded to the filaments with a complex resin chemistry. The open construction of non-woven material enables aggressive cutting action while inherently maintaining a cooler performing tool.

GRIT COMPARISON CHART

	Grain**	Color	FD	GD	FLEX	XE*	CC	LS
Coarse	A/O	Brown	60	50-60	60	50-60	60	50-60
Medium	A/O	Maroon	80-120	60-100	80-120	60-100	80-120	60-100
Very Fine	A/O	Blue	180-240	180-220	180-240	—	—	180-220
Super Fine	S/C	Gray	240-320	220-320	—	—	—	220-320

*XE material also contains Ceramic grain combined with A/O

**A/O = Aluminum Oxide

**SC = Silicon Carbide

MATERIAL CHARACTERISTICS

Material	Consistent Finish	Most Aggressive	Longest Life
FD	→	→	→
GD	→	→	→
FLEX	→	→	→
XE	→	→	→
CC	→	→	→
LS	→	→	→

Use our handy application chart to guide you to the right tool for the job!

Application Symbols

Good



Better



Best

**GENERAL APPLICATION GUIDE**


Applications	FD	GD	XE	CC
General Deburring	●	●	●	●
Heavy Stock Removal	○	●	●	○
Removal of Weld Splatter	◐	●	●	◐
Removal of Flashing	◐	●	●	◐
Blending of Parting Lines	●	◐	○	●
Blending of Tool Marks	●	◐	○	●
Blending Coated Abrasive Scratch Patterns	●	○	○	●
Cleaning up Corrosion	●	●	●	●
Removing Paint	●	○	○	●
Coating Removal	◐	◐	◐	●
Removal of Gaskets and Adhesives	◐	○	○	●
Removal of Scale	●	●	●	●
Surface Preparation Before Plating	●	●	●	●

PRODUCT GUIDE

Product	FD	GD	XE	CC	FLEX	LS
Discs	Yes	Yes	Yes	Yes	No	No
Belts	Yes	Yes	Yes	No	Yes	Yes
Specialties	Yes	Yes	No	No	Yes	No

SURFACE CONDITIONING PRODUCTS

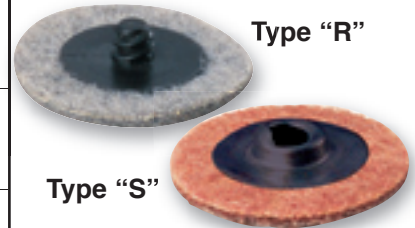
ED GD QUICK CHANGE DISCS

Characteristics/Applications	FD	Materials	GD	Tool Selector
<ul style="list-style-type: none"> • Deburring • Stock removal • Blending • Weld splatter removal • Scale removal • Rust removal 	<ul style="list-style-type: none"> ● ● ● ● ● ● 	<ul style="list-style-type: none"> • Ferrous • Non-Ferrous • Stainless • Exotics • Plastics • Metal Matrix 	<ul style="list-style-type: none"> ● ● ● ● ○ ● 	




SIZE	GRIT	STD. PKG.	TYPE "S"		TYPE "R"		EACH
			FD PART #	GD PART #	FD PART #	GD PART #	
1 1/2"	A-Coarse	100	10541	10541B	10550	10550B	
	A-Med.		10542	10542B	10551	10551B	
	A-V.F.		10543	10543B	10552	10552B	
	S-Super Fine		38456	38456B	38459	38459B	
2"	A-Coarse	50	10544	10544B	10553	10553B	
	A-Med.		10545	10545B	10554	10554B	
	A-V.F.		10546	10546B	10555	10555B	
	S-Super Fine		38457	38457B	38460	38460B	
3"	A-Coarse	25	10547	10547B	10556	10556B	
	A-Med.		10548	10548B	10557	10557B	
	A-V.F.		10549	10549B	10558	10558B	
	S-Super Fine		38458	38458B	38461	38461B	
4"	A-Coarse	25	—	—	32120	32120B	
	A-Med.		—	—	18354	18354B	
	A-V.F.		—	—	18353	18353B	
	S-Super Fine		—	—	41382	41382B	

Mounting Systems




XE QUICK CHANGE DISCS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Weld grinding & splatter removal • Firm cutting action for flat surfaces • Heavy deburring • Heavy rust removal • Heavy scale removal • Laser cut edge deburring 	<ul style="list-style-type: none"> ● ○ ● ● ○ ○ 	<ul style="list-style-type: none"> • Ferrous • Non-Ferrous • Stainless • Exotics • Plastics • Metal Matrix 



SIZE	GRIT	STD. PKG.	TYPE "S" PART #	TYPE "R" PART #
1 1/2"	CA-Coarse	100	40412	40418
	CA-Med.		40413	40419
2"	CA-Coarse	50	40414	40420
	CA-Med.		40415	40421
3"	CA-Coarse	25	40416	40422
	CA-Med.		40417	40423
4"	CA-Coarse	25	—	41383
	CA-Med.		—	41384

Cc QUICK CHANGE DISCS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Adhesive and gasket removal • Light blending • Light deburring • Oxidation removal • Scale removal 	<ul style="list-style-type: none"> ○ ● ● ● ● 	<ul style="list-style-type: none"> • Ferrous • Non-Ferrous • Stainless • Plastics • Composites 

SIZE	GRIT	STD. PKG.	TYPE "S" PART #	TYPE "R" PART #
2"	A-Coarse	50	45118	44333
	A-Med.		45119	44334
3"	A-Coarse	25	45120	44335
	A-Med.		45121	44336



SURFACE CONDITIONING PRODUCTS



HOOK 'N LOOP

Characteristics/Applications	FD	Materials	GD	Tool Selector
<ul style="list-style-type: none"> • Deburring • Stock removal • Blending • Weld splatter removal • Scale removal • Rust removal 	<ul style="list-style-type: none"> ● ● ● ● ● ● 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Plastics Composites Metal Matrix 	<ul style="list-style-type: none"> ● ● ● ● ● ○ ● 	



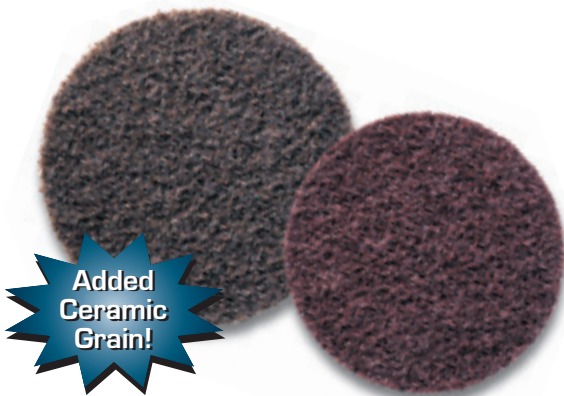
SIZE	GRIT	STD. PKG.	FD PART #	GD PART #	EACH	HOOK 'N LOOP DISC HOLDERS	PART #
4"	A-Coarse	20	10577	10577B		4" x 1/4" Shank 4" x 5/8 - 11	10598 10599
	A-Med.		10578	10578B			
	A-V.F.		10579	10579B			
	S-Super Fine		38799	38799B			
4 1/2"	A-Coarse	20	10580	10580B		4 1/2" x 5/8 - 11	10600
	A-Med.		10581	10581B			
	A-V.F.		10582	10582B			
	S-Super Fine		38800	38800B			
4 1/2" x 7/8" AH	A-Coarse	20	41323	41323B			
	A-Med.		42774	42774B			
5"	A-Coarse	20	10583	10583B		5" x 5/8 - 11 5" x 5/16 - 24	10601 10602
	A-Med.		10584	10584B			
	A-V.F.		10585	10585B			
	S-Super Fine		38801	38801B			
5" x 7/8" AH	A-Coarse	20	27147	27147B			
	A-Med.		35599	35599B			
7"	A-Coarse	20	10589	10589B		7" x 5/8 - 11	10605
	A-Med.		10590	10590B			
	A-V.F.		10591	10591B			
	S-Super Fine		38802	38802B			
8"	A-Coarse	20	10592	10592B		8" x 5/8 - 11	10606
	A-Med.		10593	10593B			
	A-V.F.		10594	10594B			
	S-Super Fine		38803	38803B			

Other sizes available.

X^E HOOK 'N LOOP

HIGH PERFORMANCE

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Weld blending & splatter removal • Firm cutting action for flat surfaces • Heavy deburring • Oxidation removal • Heavy flash removal 	<ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ● Stainless ● Exotics ○ Plastics ○ Metal Matrix 	



SIZE	GRIT	STD. PKG.	PART #
4"	CA-Coarse	20	40402
	CA-Med.		40403
4 1/2"	CA-Coarse	20	40404
	CA-Med.		40405
4 1/2" x 7/8" AH	CA-Coarse	20	46571
	CA-Med.		46572
5"	CA-Coarse	20	40406
	CA-Med.		40407
5" x 7/8" AH	CA-Coarse	20	40568
	CA-Med.		40569
7"	CA-Coarse	20	40408
	CA-Med.		40409
8"	CA-Coarse	20	40410
	CA-Med.		40411


Other sizes available.

SURFACE CONDITIONING PRODUCTS

FD

STARS - A/O

GD

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> ID cleaning of tubes & cylindrical parts ID deburring of drilled holes Edge deburring of cut cylindrical parts Leaves a consistent finish Sanding an ID to specific size Chamfering recessed areas 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ◐ Exotics ◑ Composites 	

SIZE	STD. PKG.	GD COARSE PART #	GD MEDIUM PART #	GD VERY FINE PART #
2"	TYPE "R"	50	45590	45591
3"		25	45594	45595
4"		25	45598	45599

SIZE	EYELET	STD. PKG.	FD COARSE PART #	FD MEDIUM PART #	FD VERY FINE PART #
1 1/2"	1/4-20	50	28832	28833	28834
2"	1/4-20	50	28835	28836	28837
3"	1/4-20	25	28838	28839	28840
4"	1/4-20	25	28841	28842	28843
4 1/2"	1/4-20	25	28844	28845	28846
5"	1/4-20	25	36910	38443	38444


Other sizes available.



GD FLAP DISCS - A/O

Type 27

Flat Face

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Blending scratch patterns after resin fibre disc or flap disc operation Firm cutting action for flat surfaces Removal of oxidation and surface treatments Weld cleaning Great for machine refurbishing 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ◐ Exotics ○ Plastics ◑ Metal Matrix ◒ Wood 	

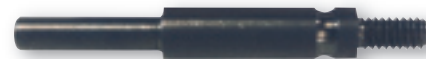
SIZE	STD. PKG.	COARSE PART #	MEDIUM PART #	VERY FINE PART #
4 1/2" x 7/8"	5	46582	46583	46584
4 1/2" x 5/8-11		46640	46641	46642

MANDREL SIZES

STYLE	DESCRIPTION	PART #
EM-4	1/4-20 x 3" Long - 1/4" SK.	12219
EM-46	1/4-20 x 6" Long - 1/4" SK.	42815

HOLDERS - 1/4" SHANK

STYLE	DESCRIPTION	PART #
1"	MED. Fits 2" Star	11273
1 1/2"	MED. Fits 3" Star	11274
2"	SOFT Fits 4" Star	11275
SK-144	1/4" x 4" Long Ext.	39207
SK-146	1/4" x 6" Long Ext.	39208
SK-148	1/4" x 8" Long Ext.	39209



Type "R"



Extension

SURFACE CONDITIONING PRODUCTS

FLEX BELTS - A/O

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Highly flexible with outstanding edge durability Great for mold and die work Creates linear scratch pattern or stainless for the food equipment industry Removes oxidation, paint, and adhesives leaving a smear-free finish Weld splatter and scale removal Blending in tool marks or removing discoloration created by heat Reduces surface roughness and re-oriens surface scratch patterns 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Metal Matrix Exotics Composites 	

BELT SIZE	STD. PKG.	COARSE PART #	MEDIUM PART #	VERY FINE PART #
1/2" x 18"	24	10607	10608	10609
1/2" x 24"	20	10610	10611	10612
3/4" x 18"	20	10613	10614	10615
3/4" x 20 1/2"	20	10616	10617	10618
2 3/4" x 15 1/2"	10	10619	10620	10621
3" x 10 1/16"	10	30069	18512	30070
3" x 21"	8	21341	21342	24603
3" x 24"	8	10646	10647	10648
3 1/2" x 15 1/2"	10	10622	10623	10624
4" x 24"	6	10652	10653	10654

Other sizes available.

LS BELTS - A/O

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> High edge durability for deburring Weld blending creating a smooth surface profile Surface preparation with a linear grain scratch pattern Ideal for robotic applications when consistent repeatable finish is needed Weld splatter and scale removal Blending tool marks or removing discoloration created by heat Removes heavy scale and reduces surface roughness 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Metal Matrix Exotics Composites 	

BELT SIZE	STD. PKG.	COARSE PART #	MEDIUM PART #	VERY FINE PART #
1" x 42"	12	10625	10626	10627
1" x 72"	12	44383	43883	27457
1" x 132"	12	18434	18435	44125
2" x 48"	6	10628	10629	10630
2" x 60"	6	10631	10632	10633
2" x 72"	6	10634	10635	10636
2" x 132"	6	10637	10638	10639
2 1/2" x 60"	5	10643	10644	10645
3" x 132"	4	10649	10650	10651
4" x 54"	6	10658	10659	10660
4" x 132"	3	10661	10662	10663
4" x 168"	3	40627	38894	40628
6" x 48"	4	10664	10665	10666

S-Super Fine is available, call for Part #.

Other sizes available.

LS LAMINATED CLOTH BELTS - A/O



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Designed for stroke sanders Smooth backing will increase the life of graphite bars or gloves Belt runs smoothly and resists heat buildup for extended life Produces a consistent linear scratch pattern Blend heavy tool marks Blend heavy welds Removes heavy scale and reduces surface roughness 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Metal Matrix Exotics Composites 	Stroke Sanders

BELT SIZE	STD. PKG.	COARSE PART #	MEDIUM PART #	VERY FINE PART #
6" x 264"	2	45208	45209	45210
6" x 306"	2	45211	45212	45213
6" x 315"	2	45214	45215	45216

Other sizes available.



PHOENIX ABRASIVES INC® SATIN FINISHING FAMILY OF PRODUCTS

HD A/O or Heavy Duty products incorporate high-quality fibers with flexible resin technology. This, combined with high mineral content gives you an extremely conformable satin abrasive tool.

FEATURES:

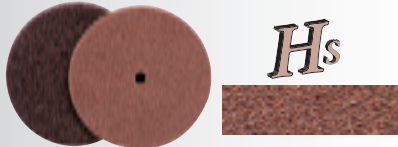
- Aluminum oxide grain ensures long life
- Open construction allows for aggressive cutting action
- Conformability enables the operator to reach troublesome areas

FINISH GUIDE

Grit	Grain*	HD A/O	HS	FLT	**Grain	HD S/C
Coarse	A/O	Matte Finish	—	—	S/C	Grain Finish
Medium	A/O	Grain Finish	Grain Finish	—	S/C	Low Polish
Fine	A/O	Grain Finish	Grain Finish	—	S/C	Low Luster
Very Fine	A/O	Low Polish	Low Polish	—	S/C	Luster
Non-Abrasive	No Grain	—	—	High Luster	—	—

*A/O = Aluminum Oxide

**S/C = Silicon Carbide



HS or High Strength material utilizes advanced resin technology in conjunction with a reinforced fibrous mesh. This combination yields the strongest, longest lasting conformable satin tool.

FEATURES:

- The most durable product in the finishing family
- Tough fibrous mesh resists snagging and tearing
- Open construction runs cool and resists loading



GENERAL APPLICATION GUIDE

Applications	HD A/O	HS	HD S/C	FLT
Light Deburring	●	●	○	—
Light Blemish Removal	●	●	◐	—
Light Bending of Handling Marks	●	●	◑	—
Light Removal of Surface Oxidation	●	●	◒	—
Blending Fine Coated Abrasive Scratch Patterns	●	●	●	—
Removing Flash from Plastic Parts	●	●	○	—
Gear and Thread Cleaning and Deburring	◐	●	◑	—
Cleaning Moderate Corrosion	○	◐	○	—
Blending of Light Tool Marks	○	◑	○	—
Moderate Deburring	○	◒	○	—
Blending Parting Lines	○	◑	○	—
Finishing Stainless Steel Equipment	◐	◑	●	—
Polishing	○	○	●	●
Decorative Finishing	◐	◑	●	●
Off Hand Finishing and Polishing	◑	○	●	●
Buffing to a High Luster	—	—	—	●



HD S/C or Heavy Duty products incorporate high quality fibers with flexible resin technology. This, combined with higher mineral content gives you an extremely conformable satin tool.

FEATURES:

- Silicon carbide grain ensures aggressive cutting action.
- The specialized grain is ideal for polishing all types of metals and sculptures
- Open mesh construction allows the operator cushioned control

PRODUCT GUIDE

Applications	HD A.O.	HS	HD S/C	FLT
Discs	YES	YES	YES	YES
Belts	NO	NO	NO	YES
Wheels	YES	YES	YES	YES
Specialties	YES	YES	YES	YES

COMPETITIVE CROSS-REFERENCE

Company	Materials			
PhoenixAbrasives, Inc.	HD A/O	HS	HD S/C	FLT
3M	Clean & Finish	Clean & Finish H.S.	Clean & Finish	Buff & Polish
Norton	Bear Tex Finishing	High Strength	Bear Tex Finishing	N/A
Merit	Buffing Discs	High Strength	N/A	Felt Polishing Discs
Standard Abrasives	Buff & Blend	High Strength/Type F	N/A	Felt Polishing Discs

MATERIAL CHARACTERISTICS

Material	Density	Flexibility	Longest Life
HD A/O	→	→	→
HS	→	→	→
HD S/C	→	→	→

FEATURES:

- Non-abrasive construction
- Durable nylon fibers
- Uniform thickness

SATIN FINISHING DISCS & BUFF PRODUCTS

HD_{A/O}

NEW!
Coarse



FLT

NON-ABRASIVE

NEW!
Self-Oscillating

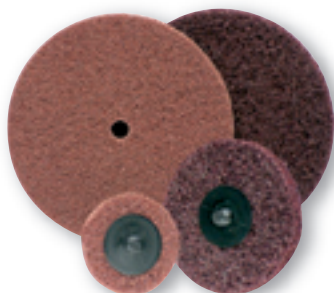
DISCS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Light blending of handling marks Remove micro burrs Decorative finishing Light oxidation removal Flash removal on plastic parts Lacquer sanding 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Composites Wood 	

SIZE	GRIT	STD. PKG.	TYPE "S" PART #	TYPE "R" PART #
2"	A/O Coarse	50	10511	38213
	A/O Medium		10512	40170
	A/O Fine		10513	46649
	A/O Very Fine		10514	38214
	FLT		45344	40547
3"	A/O Coarse	25	10515	40508
	A/O Medium		10516	39911
	A/O Fine		10517	46585
	A/O Very Fine		10518	39931
	FLT		46569	40548
6" 1/2" Hole	A/O Coarse	25		46586
	A/O Medium			25913
	A/O Fine			16120
	A/O Very Fine			17124
8" 1/2" Hole	A/O Coarse	25		46587
	A/O Medium			10531
	A/O Fine			10532
	A/O Very Fine			10533

Coarse = 3M Cut & Polish®

Hs



HD_{S/C}



NEW!

DISCS

DISCS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Gear and thread cleaning and deburring Blending of light tool marks and parting lines Moderate deburring Edge deburring on extrusions Finishing brass and steel metal stampings Moderate rust and adhesive removal Final finishing on aerospace parts 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Composites Wood 	

SIZE	GRIT	STD. PKG.	TYPE "S" PART #	TYPE "R" PART #
2"	A/O Medium	50	46588	38857
	A/O Fine		46589	38858
	A/O Very Fine		46590	38859
3"	A/O Medium	25	46591	38860
	A/O Fine		46592	38861
	A/O Very Fine		46593	38862
6" 1/2" Hole	A/O Medium	25		34470
	A/O Fine			40610
	A/O Very Fine			40611
8" 1/2" Hole	A/O Medium	25		21554
	A/O Fine			40612
	A/O Very Fine			40613

Other sizes and arbor holes available.

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Grain matching of stainless steel parts Final finishing of jewelry and charms Final finishing of molded parts, sculptures Edge preparation of glass Final finishing of aerospace parts Final finish before plating 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Plastics Composites 	

SIZE	GRIT	STD. PKG.	TYPE "S" PART #	TYPE "R" PART #
2"	S/C Medium	50	46594	46597
	S/C Fine		46595	46598
	S/C Very Fine		46596	46599
3"	S/C Medium	25	46600	46603
	S/C Fine		46601	46604
	S/C Very Fine		46602	46605
6" 1/2" Hole	S/C Medium	25		46606
	S/C Fine			46607
	S/C Very Fine			46608
8" 1/2" Hole	S/C Medium	25		46609
	S/C Fine			46610
	S/C Very Fine			46611

Other sizes and arbor holes available.

HAND PADS 6" X 9"



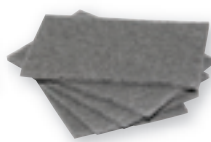
GENERAL PURPOSE

- Aggressive cutting action
- Durable construction
- Can be used with most solvents
- Great for blending, light deburring, cleaning
- Sand lacquered wood



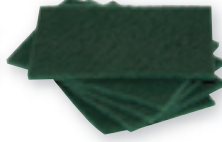
HEAVY DUTY

- Highest concentration of abrasive grain
- Tough reinforced fiber mesh
- Great for rust, oxidation removal
- Removes powder coatings
- Sharp burr removal



ULTRA FINE

- Ideal for decorative finishing
- Polishing jewelry and charms
- Imparts final finish on sculptures
- Polishes marble, precious stones
- Wood defuzzing



INDUSTRIAL SCOURING

- Great for food prep clean-up
- Cleaning aluminum
- Removing paint splatter, overspray
- Ideal for oil and grime removal
- Removes caked on corrosion



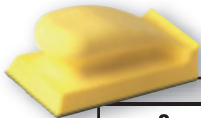
STAINLESS FINISHING

- Designed to impart grain finish on stainless steel
- Cleans discoloration from stainless steel
- Removes residue
- Great to reorient scratch patterns
- Blend tool marks



NON-ABRASIVE

- Great media for transporting polishing compounds
- Ideal for non-abrasive cleaning and buffing



TYPE	COLOR	STD. PKG.	PART #
General Purpose - A/O	Maroon	1 Case (60 Pads)	10473
General Purpose - A/O	Maroon	60 Pads Bulk	34569
Heavy Duty - A/O	Tan	1 Case (60 Pads)	10474
Ultra Fine - S/C	Gray	1 Case (60 Pads)	10475
Industrial Scouring	Green	1 Case (60 Pads)	10476
Stainless Steel - S/C	Black	1 Case (60 Pads)	40754
Cleaning-Non Abrasives	White	1 Case (60 Pads)	34961
Hand Pad Holder			Part #: 43934

SATIN FINISHING ROLLS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Cleaning and polishing lathe parts • Blending of light tool marks and parting lines • Removing micro burrs from orthoses • Mold and die cleaning • Can be used with most solvents and chemicals • Sanding lacquer • Final finishing on aerospace parts 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Plastics ● Composites ● Wood 	

SIZE	GRIT	STD. PKG.	PART #
4" x 30'	A/O - Medium	1	30537
	A/O - Fine		30538
	A/O - Very Fine		30539
	S/C - Ultra Fine		30540
6" x 30'	A/O - Medium	1	30541
	A/O - Fine		30542
	A/O - Very Fine		30543
	S/C - Ultra Fine		30544



SATIN FLAP BRUSHES



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Removes burrs and micro burrs on threaded parts Wheel cushions for controlled work on irregular surfaces Finishing aluminum extrusions, brass, and stainless steel Fine scratch pattern for preparation of cutlery and cookware Re-orient grain finish on stainless steel and strike plates 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Hardware 	

SIZE	STD. PKG.	A/O MEDIUM PART #	S/C MEDIUM PART #	A/O FINE PART #	S/C FINE PART #
6" x 1" x 2"	5	28854	45066	28855	45065
6" x 2" x 2"		28857	46614	28858	46615
8" x 1" x 3"	3	28863	46204	28864	37348
8" x 2" x 3"		28866	46618	28867	46619
12" x 2" x 5"	1	32058	46620	32059	46621



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Controlled wheel action conforms to irregular surfaces Remove micro burrs on orthoses Finishing aluminum extrusions, brass, and stainless steel Repeatable measured finishes on robotic applications Re-orient grain finish on stainless steel and strike plates 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Hardware 	

SIZE	STD. PKG.	A/O MEDIUM PART #	A/O FINE PART #
6" x 1" x 2"	5	46622	46623
6" x 2" x 2"		46624	46625
8" x 1" x 3"	3	46626	46627
8" x 2" x 3"		46628	46629

MTD. SATIN FLAP BRUSHES

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Flexible, conforms to irregular surfaces in a hand held form Removes burrs and micro burrs on threaded parts Finishing aluminum extrusions, brass, and stainless steel Fine scratch pattern for preparation of cutlery and cookware Re-orient grain finish on stainless steel and strike plates 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Hardware 	

SIZE	STD. PKG.	A/O COARSE PART #	A/O MEDIUM PART #	A/O FINE PART #
2" x 1" x 1/4"	5	43850	26877	35564
3" x 1" x 1/4"		43851	26881	35565
3" x 2" x 1/4"		43852	26883	35126



DUPLEX FLAP WHEELS



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Blending scratch patterns left from coated abrasives Smooth cushioned sanding allows operator to finesse finish Heavy oxidation removal Edge Deburring on extrusions and various metals Finishing brass and steel metal stampings Blending parting lines and cleaning welds 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Hardware 	

SIZE	GRIT	STD. PKG.	PART #
6" x 1" x 1"	A/O 80	5	10426
	A/O 120		10427
	A/O 180		10428
6" x 2" x 1"	A/O 80	5	10429
	A/O 120		10430
	A/O 180		10431

MTD. DUPLEX WHEELS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • One to One interleaf design in a hand held tool • Blending scratch patterns left from coated abrasives • Smooth cushioned sanding allowing operator to finesse finish • Heavy oxidation removal • Edge deburring on extrusions and various metals • Finishing brass and steel metal stampings • Blending parting lines and cleaning welds 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ○ Exotics ◐ Plastics ◑ Hardware ● Wood 	



SIZE DIA. X WIDTH X SK.	STD. PKG.	PART # A/O 80 GRIT	PART # A/O 120 GRIT	PART # A/O 180 GRIT
2" x 1" x 1/4"	5	35644	35804	35795
3" x 1" x 1/4"		10467	10468	10469
3" x 2" x 1/4"		10470	10471	10472

MTD. SATIN DISC WHEELS



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Less aggressive sanding than traditional mtd. flap brushes • Removes surface contaminants such as chemicals or grease • Creates a high luster finish without altering part geometry • Smooth cushioned polishing • Finishing brass, aluminum, and steels • Sanding lacquered wood 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ○ Exotics ◐ Plastics ◑ Wood 	

SIZE DIA. X SHANK	WIDTH	PART # A/O CRS.	PART # A/O MED.	PART # A/O FINE
1" x 1/8"	3/8"	46630	40433	40435
STD. PKG. 10	1/2"	46631	40434	40436
1 1/2" x 1/8"	7/8"	46632	40437	40439
STD. PKG. 10	1"	46633	40438	40440

SIZE DIA. X WIDTH X SK.	STD. PKG.	PART # A/O MEDIUM	PART # A/O FINE
2 3/8" x 1/2" x 1/4"	5	38182	38181
2 3/8" x 1" x 1/4"		10459	10460
2 3/8" x 2" x 1/4"		10461	10462
3" x 1/2" x 1/4"	5	38178	38179
3" x 1" x 1/4"		10463	10464
3" x 2" x 1/4"		10465	10466

All mini wheels have 1/8" shank.

GOBLET WHEELS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Sink and vat polishing and cleaning • Removing micro burrs from orthoses • Concave sanding of extrusions • Mold and die cleaning • Rust and adhesive removal 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ○ Plastics ◑ Wood 	

HD A/O



SIZE DIA. X LENGTH X SK.	PART # A/O MED.	PART # A/O FINE	REFILL A/O MED.	REFILL A/O FINE
2" x 2" x 1/4"	30608	30607	30612	30611
3" x 2" x 1/4"	30610	30609	30614	30613
2" x 2" x 1/4" FLT	46643		46644	
3" x 2" x 1/4" FLT	46645		46646	

FLT
NEW!

Standard Package - 5 wheels.

Also Available: HD S/C.

Standard Package - 5 refills.

SATIN FINISHING STARS

H_s



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Open construction leaves a matte finish • ID polishing of tubes & cylindrical parts • Light duty removal of rust and paint • Very conformable to fit in tight areas • Won't gouge work piece • Consistent measurable finish 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ○ Plastics ○ Exotics ○ Composites 	

SIZE	EYELET	PLY	GRIT	STD. PKG.	PART #
1½"	1/4-20	2	A/O Med.	50	42806
	1/4-20	2	A/O Fine		43847
	1/4-20	2	A/O V.F.		42807
2"	1/4-20	2	A/O Med.	50	42808
	1/4-20	2	A/O Fine		43848
	1/4-20	2	A/O V.F.		42809
3"	1/4-20	2	A/O Med.	25	42810
	1/4-20	2	A/O Fine		43849
	1/4-20	2	A/O V.F.		42811

S/C Available.

STRIPPING DISCS

TYPE "R"

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Tough open construction will not load • Aggressive stripping and cleaning on metal surfaces • Removes rust, corrosion, scale, paint, and adhesives • Great for weld cleaning and splatter removal • Removes surface coatings and surface contaminants • Ideal for maintenance and machine refurbishing 	<ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ● Stainless ○ Plastics ● Exotics 	

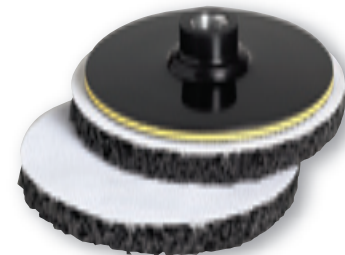
SIZE	GRIT	STD. PKG.	PART #	TYPE "R" HOLDERS	PART #
2"	S/C X-Coarse	50	34364	2" x ¼" SK.	11275
3"	S/C X-Coarse	25	34365	3" x ¼" SK.	11276
4"	S/C X-Coarse	10	41334	4" x ¼" SK.	34992



HOOK 'N LOOP

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Tough open construction will not load • Aggressive stripping and cleaning on metal surfaces • Removes rust, corrosion, scale, paint, and adhesives • Great for weld cleaning and splatter removal • Removes surface coatings and surface contaminants • Ideal for maintenance and machine refurbishing 	<ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ● Stainless ○ Plastics ● Exotics 	

SIZE	GRIT	STD. PKG.	PART #	HOOK 'N LOOP DISC HOLDERS	PART #
4½"	S/C X-Coarse	10	45083	4½" x 5/8 - 11	44914
5"	S/C X-Coarse	10	45084	5" x 5/8 - 11	44915
7"	S/C X-Coarse	10	45085	7" x 5/8 - 11	44916



STRIPPING DISCS



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Tough open construction will not load Aggressive stripping and cleaning on metal surfaces Removes rust, corrosion, scale, paint, adhesives Great for weld cleaning and splatter removal Removes surface coatings and contaminants Ideal for maintenance and machine refurbishing 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Metal Matrix Composites 	



ARBOR HOLE

SIZE	GRIT	STD. PKG.	PART #
4" x 1/2" 1/4" Hole	S/C X-Coarse	10	38699
4" x 1/2" 1/2" Hole	S/C X-Coarse	10	34361
6" x 1/2" 1/2" Hole	S/C X-Coarse	10	34362
8" x 1/2" 1/2" Hole	S/C X-Coarse	10	34363
W-14-5 Mandrel 1/4" Arbor Hole		1/4" SK.	Part # 35733
W-24 Mandrel 1/2" Arbor Hole		1/4" SK.	Part # 12216



TYPE 27



SIZE	GRIT	STD. PKG.	PART #
4 1/2" x 7/8"	S/C X-Coarse	5	34366

STRIPPING WHEELS



1/4" SHANK

SIZE	GRIT	STD. PKG.	PART #
2" x 1 1/2" 1/4" Shank	S/C X-Coarse	10	35805
2" x 1" 1/4" Shank	S/C X-Coarse	10	35806
3" x 1/2" 1/4" Shank	S/C X-Coarse	10	34359
3" x 1" 1/4" Shank	S/C X-Coarse	10	34360
4" x 1/2" 1/4" Shank	S/C X-Coarse	10	38446
4" x 1" 1/4" Shank	S/C X-Coarse	10	38447



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Tough open construction will not load Aggressive stripping and cleaning Removes rust, corrosion, scale, paint, adhesives Great for weld cleaning and splatter removal Removes surface coatings and contaminants Ideal for maintenance & machine refurbishing 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Plastics Metal Matrix 	

XE DEBURRING WHEELS



Equal to
3M's
EX2®

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Heavy deburring on a variety of metals • Blending coated abrasive scratch patterns, tool marks • Heat and smear resistant producing fast cut rates • Edge breaking of large deburrs on extrusions, stampings • Polished parts prior to coating • Imparting a radius laser cut edges 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Exotics ● Plastics ● Metal Matrix 	

SIZE	DENSITY GRADE	STD. PKG.	PART #
6" x 1/2" x 1"	10 S Fine	4	40767
6" x 1/2" x 1"	9 A Medium	4	40766
6" x 1" x 1"	10 S Fine	3	40769
6" x 1" x 1"	9 A Medium	3	40768
8" x 1/2" x 3"	10 S Fine	4	40771
8" x 1/2" x 3"	9 A Medium	4	40770
8" x 1" x 3"	10 S Fine	3	40773
8" x 1" x 3"	9 A Medium	3	40772

Wheel Density: 9 = Hard 10 = Extra Hard

DEBURRING WHEELS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Medium to heavy deburring on variety of metals • Blending coated abrasive scratch patterns & tool marks • Heat and smear resistant producing fast cut rates • Deburring extrusions and stampings • Removing parting lines on castings and forgings • Deburring punched holes and breaking laser cut edges 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Extrusions ● Plastics ● Exotics 	

SIZE	DENSITY GRADE	STD. PKG.	PART #
6" x 1/2" x 1"	8 S Fine	4	10497
6" x 1/2" x 1"	9 S Fine	4	10504
6" x 1" x 1"	8 A Medium	3	30606
6" x 1" x 1"	9 A Medium	3	24568
6" x 1" x 1"	8 S Fine	3	10498
6" x 1" x 1"	9 S Fine	3	10505
8" x 1/2" x 3"	8 S Fine	4	37495
8" x 1/2" x 3"	9 S Fine	4	10499
8" x 1" x 3"	8 A Medium	3	30617
8" x 1" x 3"	8 S Fine	3	10500
8" x 1" x 3"	9 S Fine	3	10506
8" x 2" x 3"	8 S Fine	2	10501
8" x 2" x 3"	9 S Fine	2	30362
12" x 1" x 5"	8 S Fine	2	10502
12" x 1" x 5"	9 S Fine	2	10507
12" x 2" x 5"	8 S Fine	1	10503
12" x 2" x 5"	9 S Fine	1	21110

Wheel Density: 8 = Medium 9 = Hard



Equal to
3M's
EXL®



LIGHT DEBURRING WHEELS

Applications	Materials	Tool Selector
<ul style="list-style-type: none"> • Stainless steel pipe thread cleaning • Blending of light milling marks and parting lines • Moderate deburring • Applying decorative finishes on a variety of metals • Blending the surfaces of uneven parts • Removal of light flashing • Applying a specific finish on aerospace parts 	<ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Extrusions ● Plastics ● Exotics 	

SIZE	DENSITY GRADE	STD. PKG.	PART #
6" x 1" x 1"	7 A Fine	3	10493
6" x 1" x 1"	7 A Medium	3	10494
6" x 1" x 1"	6 S Fine	3	10481
6" x 1" x 1"	7 S Fine	3	10492
8" x 1" x 3"	7 A Medium	3	21108
8" x 1" x 3"	7 S Fine	3	10496

Wheel Density: 6 = Soft 7 = Medium

METAL FINISHING WHEELS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Blending scratch patterns left by traditional coated abrasives Blending tool marks Runs cool and is heat resistant on a variety of metals Leaves a grain finish on stainless steel parts Finish metal stampings and strike plates 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Exotics 	

SIZE	DENSITY GRADE	STD. PKG.	PART #
6" x 1" x 1"	6 A Coarse	3	45396
6" x 1" x 1"	6 A Medium	3	45395
6" x 2" x 1"	6 A Coarse	2	45397
6" x 2" x 1"	6 A Medium	2	45398
8" x 1" x 3"	6 A Coarse	3	45400
8" x 1" x 3"	6 A Medium	3	45399
8" x 2" x 3"	6A Coarse	2	
8" x 2" x 3"	6A Medium	2	

Wheel Density: 6 = Medium.



MULTI-CLEANING WHEELS



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> General purpose cleaning and light deburring Removes discoloration created by heat during the milling process Removes rust, paint, and slight imperfections Leaves a dull luster Good for edge breaking 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Exotics 	

SIZE	DENSITY GRADE	STD. PKG.	PART #
6" x 1" x 1"	5 A Coarse	3	37498
6" x 1" x 1"	5 S Fine	3	10477
6" x 1" x 1"	5 S Medium	3	10478
6" x 2" x 1"	5 A Coarse	2	37499
6" x 2" x 1"	5 S Medium	2	10479
8" x 1" x 3"	5 S Medium	3	30688
8" x 2" x 3"	5 S Medium	2	30689

Wheel Density: 5 = Medium.

FINAL POLISHING WHEELS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Specifically designed to polish with cushioned control Leaves a high luster on stainless steel Leaves a mirror finish on a variety of metals Brass and chrome polishing Will not alter part geometry 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Exotics 	

SIZE DIA. X WIDTH X I.D.	DENSITY GRADE	STD. PKG.	PART #
6" x 1/2" x 1"	2 S Very Fine		45108
6" x 1" x 1"	2 S Very Fine	1	45109
6" x 2" x 1"	2 S Very Fine		45110
8" x 1" x 3"	2 S Very Fine	1	45111
8" x 2" x 3"	2 S Very Fine		45112
12" x 1" x 5"	2 S Very Fine	1	45113
12" x 2" x 5"	2 S Very Fine		45114

Wheel Density: 2 = Soft.



XL UNITIZED WHEELS



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Designed to minimize heat buildup Cleaning and polishing Polishes soft metals prior to plating Finishing the surface of aerospace turbine blades 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics 	

SIZE	DENSITY GRADE	STD. PKG.	PART #
1" x 1" x 3/16"	6 S Fine	10	37459
	6 A Medium		37460
	8 A Medium		37461
	8 A Coarse		37462
1" x 1/8" x 1/8"	2 S Fine	10	41337
	6 A Med.		41338
	8 A Coarse		41339
1" x 1/4" x 1/8"	2 S Fine	10	41340
	6 A Med.		41341
	8 A Coarse		41342
1 1/2" x 1/4" x 1/4"	2 S Fine	10	41343
	6 A Med.		41344
	8 A Coarse		41345
2" x 1/4" x 1/4"	2 S Fine	10	37463
	6 A Medium		37464
	8 A Coarse		37465
3" x 1/4" x 1/4"	2 S Fine	10	37192
	2 A Medium		37466
	6 A Medium		37467
	8 A Medium		37468
	8 A Coarse		37469
3" x 1/2" x 1/4"	2 S Fine	10	37452
	6 A Medium		21111
	8 A Coarse		37453
4" x 1/4" x 1/4"	2 S Fine	10	37454
	8 A Coarse		37455
6" x 1/2" x 1"	2 S Fine	4	10487
	6 A Medium		37456
6" x 1" x 1"	2 S Fine	3	10488
	6 A Medium		37457
	8 A Medium		37458

MTD. XL UNITIZED

SIZE DIA. X WIDTH X SK.	DENSITY GRADE	STD. PKG.	PART #
1" x 1/8" x 1/8"	2 S Fine	10	40527
	6 A Medium		40528
	8 A Coarse		40529
1" x 1/4" x 1/8"	2 S Fine	10	40530
	6 A Medium		40531
	8 A Coarse		40532
1 1/2" x 1/4" x 1/4"	2 S Fine	10	40533
	6 A Medium		40534
	8 A Coarse		40535
2" x 1/4" x 1/4"	2 S Fine	10	40536
	6 A Medium		40537
	8 A Coarse		40538
3" x 1/4" x 1/4"	2 S Fine	10	40539
	6 A Medium		40540
	8 A Coarse		40541

Wheel Density: 2 = Soft, 6 = Medium, 8 = Hard.

XL UNITIZED DISCS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Designed to minimize heat buildup General purpose cleaning and polishing Polishes soft metals prior to plating Finishing the surface of aerospace turbine blades Removes flashing from plastic injection molding Removes resins and adhesive overspray Finishing orthoses and surgical instruments 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Exotics Composites 	



SIZE	DENSITY GRADE	STD. PKG.	PART #	TYPE "R" HOLDERS	PART #
2" x 1/4"	8 A Coarse	10	37503	2" x 1/4" SK.	11275
	6 A Medium		37504		
	2 S Fine		37505		
	2 S Very Fine		45618		
3" x 1/4"	8 A Coarse	10	37506	3" x 1/4" SK.	11276
	6 A Medium		37507		
	2 S Fine		37508		
	2 S Very Fine		45620		

Wheel Density: 2 = Soft 6 = Medium 8 = Hard.
Type "S" Available.

FINAL POLISHING UNITIZED

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Specifically designed to polish Leaves high luster on stainless steel Leaves mirror finish on variety of metals Will not alter part geometry 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions 	

SIZE DIA. X WIDTH X I.D.	DENSITY GRADE	STD. PKG.	PART #
1" x 1" x 3/16"	2 S Very Fine	10	45102
2" x 1/4" x 1/4"	2 S Very Fine	10	45103
2" x 1/2" x 1/4"	2 S Very Fine	10	45104
3" x 1/4" x 1/4"	2 S Very Fine	10	45105
3" x 1/2" x 1/4"	2 S Very Fine	10	45106

Wheel Density: 2 = Soft.



FINAL POLISHING DISC



TYPE 27



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Specifically designed to polish Leaves a high luster on stainless steel Leaves a mirror finish on a variety of metals Brass and chrome polishing Will not alter part geometry Applies a decorative polish Soft cushioned control 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Exotics Composites 	

SIZE	DENSITY GRADE	STD. PKG.	PART #
4 1/2" x 7/8"	2 S Very Fine	1	45107

Wheel Density: 2 = Soft.

UNITIZED DISCS

Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Specifically designed to minimize heat buildup General purpose cleaning and polishing flat surfaces Polishes soft metals prior to plating Finishing the surface of aerospace turbine blades Edge breaking on stamped, lazed, or waterjet parts Removes resins, adhesive overspray and contaminates/corrosion caused by chemical buildup 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Titanium Composites 	

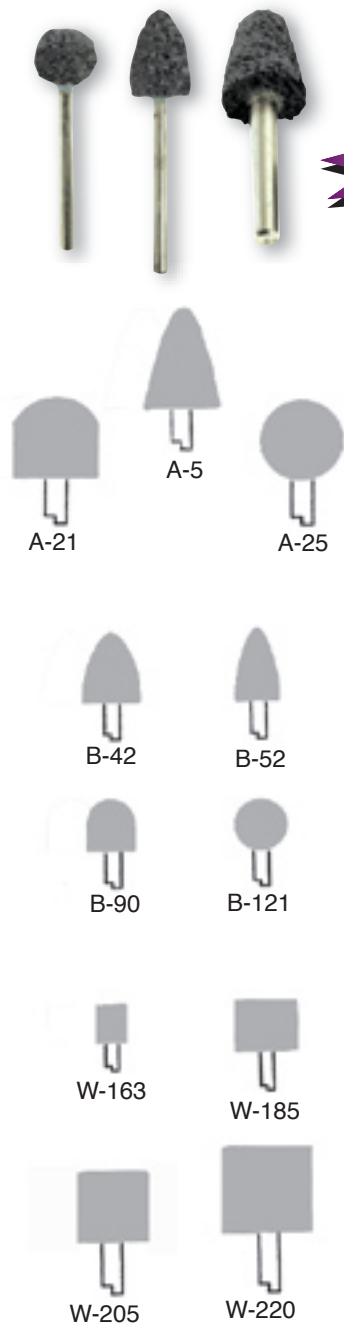
SIZE	DENSITY GRADE	STD. PKG.	PART #
4 1/2" x 7/8" 1/2" thick	2 A-Very Fine	5	46634
4 1/2" x 7/8" 1/2" thick	2 A-Fine	5	46635
4 1/2" x 7/8" 1/2" thick	2 S-Fine	5	46636
4 1/2" x 7/8" 1/2" thick	6 S-Medium	5	46637
4 1/2" x 7/8" 1/2" thick	6 A-Medium	5	46638
4 1/2" x 7/8" 1/2" thick	6 A-Coarse	5	46639

Wheel Density: 2 = Soft 6 = Medium.



XL UNITIZED MTD. POINTS

1/8" AND 1/4" SHANKS



Characteristics/Applications	Materials	Tool Selector
<ul style="list-style-type: none"> Specifically designed to minimize heat buildup General purpose cleaning and polishing Polishes titanium and special alloys Finishing the surface of aerospace turbine blades Removes flashing from plastic injection molding Removes resins and adhesive overspray Finishing orthoses and surgical instruments 	<ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Titanium Composites 	

SHAPE	SIZE DIA. X WIDTH X SK.	GRIT	STD. PKG.	PART #
A-5	3/4" x 1 1/8" x 1/4"	S Fine	10	<i>43749</i>
		A Medium		<i>43750</i>
A-21	1" x 1" x 1/4"	S Fine	10	<i>43752</i>
		A Medium		<i>43753</i>
A-25	1" x 1" x 1/4"	S Fine	10	<i>43755</i>
		A Medium		<i>43756</i>
B-42	1/2" x 3/4" x 1/8"	S Fine	10	<i>43758</i>
		A Medium		<i>43759</i>
B-52	3/8" x 3/4" x 1/8"	S Fine	10	<i>43781</i>
		A Medium		<i>43782</i>
B-90	1/2" x 1/2" x 1/8"	S Fine	10	<i>43784</i>
		A Medium		<i>43785</i>
B-121	1/2" x 1/2" x 1/8"	S Fine	10	<i>43787</i>
		A Medium		<i>43788</i>
W-163	1/4" x 1/2" x 1/8"	S Fine	10	<i>43790</i>
		A Medium		<i>43791</i>
W-176	3/8" x 1/2" x 1/8"	S Fine	10	<i>43793</i>
		A Medium		<i>43794</i>
W-185	1/2" x 1/2" x 1/8"	S Fine	10	<i>43796</i>
		A Medium		<i>43797</i>
W-205	3/4" x 1" x 1/4"	S Fine	10	<i>43799</i>
		A Medium		<i>43800</i>
W-220	1" x 1" x 1/4"	S Fine	10	<i>43802</i>
		A Medium		<i>43803</i>

REDUCER BUSHINGS



DESCRIPTION	PART #	DESCRIPTION	PART #
1" I.D. to 3/4" I.D.	<i>10391</i>	3" I.D. to 1" I.D.	<i>10508</i>
1" I.D. to 5/8" I.D.	<i>10392</i>	3" I.D. to 5/8" I.D.	<i>35567</i>
1" I.D. to 1/2" I.D.	<i>10393</i>	3" I.D. to 1 1/4" I.D.	10509
2" I.D. to 1" I.D.	28873	5" I.D. to 1 1/4" I.D.	<i>10510</i>
2" I.D. to 5/8" I.D.	28872		



INTERLEAF Finishing Flap Discs with Fiberglass Backing

Alternating flaps of coated abrasive and nonwoven material for finishing applications with minimal sanding. Provides a brushed finish.

Type 27 (Flat)

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Dimensions (Dia.xArbor)	Specifications			Max. R.P.M.	Optimum R.P.M.	Box Qty.
	A80/ Medium	A150/ Fine	A240/ V.Fine			
4-1/2" x 7/8"	45013	45016	45018	8,500	5,000	5
4-1/2" x 5/8-11	45023	45026	45028	8,500	5,000	5



NONWOVEN Finishing Flap Discs with Fiberglass Backing

Flaps of nonwoven material for fine surface finishing.

Type 27 (Flat)

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Dimensions (Dia.xArbor)	Specifications			Max. R.P.M.	Optimum R.P.M.	Box Qty.
	Medium	Fine	V.Fine			
4-1/2" x 7/8"	45212	45214	45215	8,500	5,000	5
4-1/2" x 5/8-11	45222	45224	45225	8,500	5,000	5



NONWOVEN REX Cleaning Discs with Fiberglass Backing

For aggressive cleaning, or removing rust, paint, epoxy or weld spatter.

Type 27 (Flat)

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Dimensions (Dia.xArbor)	Spec. S-Coarse	Max. R.P.M.	Optimum R.P.M.	Box Qty.
4-1/2" x 7/8"	45401	11,000	5,000	5
4-1/2" x 5/8-11	45402	11,000	5,000	5
5" x 7/8"	45403	9,800	4,000	5

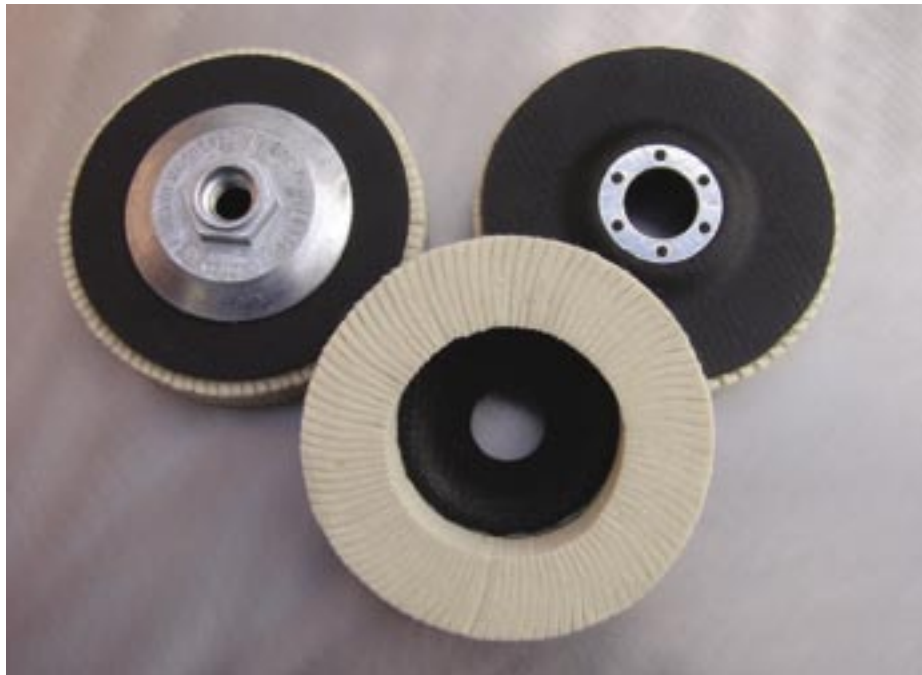


NEW and EXCLUSIVE!

Felt Polishing Discs With Fiberglass Backing



For Use On Angle Grinders
Sanders and Buffers



Felt Flap Discs

Flap discs of 100% wool felt affixed to a fiberglass backing plate to create a thick polishing pad. The individual flaps are flexible, and allow a cool air flow. Felt discs are used with polishing compounds or pastes to provide up to a mirror finish. Ideal for work on irregular or contoured surfaces.

Available in several Densities and Flap Thicknesses for softer, more flexible performance.

(D=Flap thickness, H=Felt Density)

Custom products also available in less dense (H18) and more dense (H52) grades of felt. Minimum ordering quantities would apply.

Type 27 (Flat)



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Dimensions (Dia.xArbor)	Standard Flexibility		Extra Flexible		Max. R.P.M.	Box Qty.
	Soft D5 / H25	Medium D5 / H40	Soft D3 / H25	Medium D3 / H40		
4-1/2" x 7/8"	45611	45612	45616	45617	10,000	5
4-1/2" x 5/8-11	45621	45622	45626	45627	10,000	5
5" x 7/8"	45631	45632	45636	45637	8,500	5
5" x 5/8-11	45641	45642	45646	45647	8,500	5
7" x 7/8"	45661	45662	45666	45667	5,500	5
7" x 5/8-11	45671	45672	45676	45677	5,500	5

Diameter	Optimum RPM For Best Results
4-1/2"	1,650 - 2,500
5"	1,520 - 2,300
7"	1,100 - 1,600

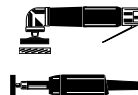
Note: Felt Polishing products are designed to be used with polishing compounds.

QUICK TIP:

Felt Products should always be run at lower speeds than coated abrasives. This will extend the disc life and improve the finish.

PREMIUM Zirconia Alumina with Plastic Backing

The versatility of Zirconia grain, on a small diameter plastic backing. Offers aggressive stock removal and longer life than quick change sanding discs. Ideal for working in confined spaces where larger flap discs will not fit. Reusable threaded shaft on 1/4" shank fits both 2" and 3" diameter discs.



For use on Die Grinders and Discs Grinders

Type 27 (Flat)

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Diameter	Specifications						Max.	Box
	ZA24	ZA36	ZA40	ZA60	ZA80	ZA120	R.P.M.	Qty.
2"			30172	30173	30174	30176	30,000	10
3"	30180	30181	30182	30183	30174	30186	20,000	10
Reuseable 1/4 shank adapter							30999	10



Type 29 (Conical)

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Diameter	Specifications						Max.	Box
	ZA24	ZA36	ZA40	ZA60	ZA80	ZA120	R.P.M.	Qty.
2"			31172	31173	31174	31176	30,000	10
3"	31180	31181	31182	31183	31184	31186	20,000	10



Interleaf Finishing Mini Flap Discs

Alternating flaps of coated abrasive and nonwoven material for finishing applications with minimal sanding. Provides a brushed finish.

Type 27 (Flat)

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Diameter	Specifications			Max. R.P.M.	Box Qty.
	A80/ Medium	A120/ Fine	A240/ V.Fine		
2"	45063	45065	45068	19,100	10
3"	45073	45075	45078	12,700	10

New!



Nonwoven Finishing Mini Flap Discs

Flaps of nonwoven material for fine surface finishing.

Type 27 (Flat)

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Diameter	Specifications			Max. R.P.M.	Box Qty.
	Medium	Fine	V.Fine		
2"	45262	45264	45265	19,100	10
3"	45272	45274	45275	12,700	10

New!

Felt Polishing Mini Flap Discs

Use with a rouge or paste for polishing applications.

Type 27 (Flat)

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Diameter	Standard Flexibility		Extra-Flexible		Max. R.P.M.	Box Qty.
	Soft	Medium	Soft	Medium		
	D3 / H25	D3 / H40	D2 / H25	D2 / H40		
2"	45681	45682	45686	45687	19,100	10
3"	45691	45692	45696	45697	12,700	10

New!



FLAP BANDS were first developed as a longer lasting, more productive alternative to flap wheels and spiral bands. They have become one of our most unique and successful innovations to date.

Aggressiveness and durability you would not expect from a coated abrasive product!!

EXCLUSIVE!

Actual results of stock removed from solid bar stock in a matter of seconds with ZA60 and ZA80 Flap Bands!!!

Note what little wear appears on the flaps.



Flap Band Features

- Layered Flaps are tightly packed.
- Individual flaps wear back evenly, constantly exposing new sharp grains.
- Flaps affixed to a firm fiber core.
- Used with custom Rubber Expanding Drums.

Benefits

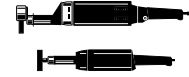
- Acts more aggressively than a flap wheel.
- Requires less pressure.
- Easier to control.
- Aggressive stock removal throughout product life.
- Reduce labor costs by removing material faster!
- Greater durability than spiral bands. No seams or splices to rip or tear on sharp edges.
- Protects and extends life of rubber drum.
- Precision balanced for smooth, even abrasive wear.
- Quick, easy changeovers. Drums expand and grip the band as machine reaches speed.

Like all of our products, we can create Flap Band specialties to meet unique needs. We have already developed a **"Narrow Face"** version for aggressive grinding and finishing within channels. Available in diameters 1-1/4" through 3-1/2", by 3/8" width.



QUICK TIP:

Flap Bands achieve best performance when used with less pressure.



For use on Die Grinders and Straight Grinders

Small Diameter Flap Bands

Small Flap Bands (1-1/4" to 3-1/2" diameter) provide aggressive stock removal in confined spaces in place of spiral bands, carbide burs, mounted points, flap wheels, plugs and cones. They are also excellent for grinding and finishing inside pipes and tubing.

Aluminum Oxide

For general grinding on a variety of metals. Aluminum Oxide can be special ordered through grit 400 for finer finishes.



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Dimensions (Dia.xArbor)	Specifications					Max. R.P.M.	Box Qty.
	A36	A40	A60	A80	A120		
1-1/4" x 3/4"	50021	50022	50024	50025	50027	26,000	10
1-3/4" x 3/4"	50121	50122	50124	50125	50127	19,100	10
1-3/4" x 1-3/16"	50161	50162	50164	50165	50167	19,100	10
2-1/2" x 1-3/16"	50261	50262	50264	50265	50267	12,700	10
3" x 1-3/16"	50341	50342	50344	50345	50347	9,500	10
3-1/2" x 1-3/16"	50441	50442	50444	50445	50447	7,600	10



Zirconia Alumina

Zirconia grain for added durability. More aggressive on stainless steel.



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Dimensions (Dia.xArbor)	Specifications					Max. R.P.M.	Box Qty.
	ZA36	ZA40	ZA60	ZA80	ZA120		
1-1/4" x 3/4"	51021	51022	51024	51025	51027	26,000	10
1-3/4" x 3/4"	51121	51122	51124	51125	51127	19,100	10
1-3/4" x 1-3/16"	51161	51162	51164	51165	51167	19,100	10
2-1/2" x 1-3/16"	51261	51262	51264	51265	51267	12,700	10
3" x 1-3/16"	51341	51342	51344	51345	51347	9,500	10
3-1/2" x 1-3/16"	51441	51442	51444	51445	51447	7,600	10



Small Diameter Rubber Expanding Drums on 1/4" shank

Rubber drum remains in tool collet for quick changeovers between bands.

Dimensions (Diameter x Width)	shank	For Use with Flap Band Dimensions	Part no.	Max. R.P.M.	Box Qty.
7/8" x 3/4"	1/4"	1-1/4" x 3/4"	50950	26,000	1
1-3/16" x 3/4"	1/4"	1-3/4" x 3/4"	50952	19,100	1
1-3/16" x 1-3/16"	1/4"	1-3/4" x 1-3/16"	50954	19,100	1
1-3/4" x 1-3/16"	1/4"	2-1/2" x 1-3/16"	50956	12,700	1
2-3/8" x 1-3/16"	1/4"	3" x 1-3/16"	50958	9,500	1
3 x 1-3/16"	1/4"	3-1/2" x 1-3/16"	50960	7,600	1



QUICK TIP:

For Stainless Steel and High Alloy applications, Flap Bands can be special ordered in Treated Zirconia Alumina. TZA contains grinding aids for cooler grinding and faster stock removal on hard metals.



For use on Bench Grinders

Large Diameter Flap Bands

Larger Flap Bands can replace Type 1 grinding wheels on Bench Grinders. Their expanding drums can also replace the drive wheels if using on large belt grinders.



Alumimum Oxide Flap Bands

For general grinding on a variety of metals. Aluminum Oxide may be special ordered through grit 400 for finer finishes.

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Dimensions (Dia. X Width)	Specifications					Max. R.P.M.	Box Qty.
	A36	A40	A60	A80	A120		
6-1/2" x 1-3/16"	50741	50742	50744	50745	50747	3,000	2
6-1/2" x 2"	50781	50782	50784	50785	50787	3,000	2
8-1/2" x 1-3/16"	50841	50842	50844	50845	50847	2,500	2
8-1/2" x 2"	50881	50882	50884	50885	50887	2,500	2

Zirconia Alumina Flap Bands

Zirconia grain for added durability. More aggressive on stainless steel.



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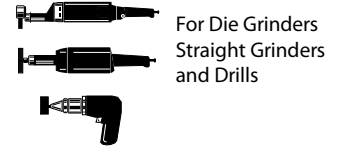
Dimensions (Dia. X Width)	Specifications					Max. R.P.M.	Box Qty.
	ZA36	ZA40	ZA60	ZA80	ZA120		
6-1/2" x 1-3/16"	51741	51742	51744	51745	51747	3,000	2
6-1/2" x 2"	51781	51782	51784	51785	51787	3,000	2
8-1/2" x 1-3/16"	51841	51842	51844	51845	51847	2,500	2
8-1/2" x 2"	51881	51882	51884	51885	51887	2,500	2

Large Diameter Rubber Expanding Drums

Rubber expanding drums come with a nylon reduction bushing to popular 1" arbor size.



Dimensions (Dia. X Width)	For Use with Flap Band Dimensions	Part no.	Max. R.P.M.	Box Qty.
6" x 1-3/16" x 2"	6-1/2" x 1-3/16"	50982	3,000	1
6" x 2" x 2"	6-1/2" x 2"	50984	3,000	1
8" x 1-3/16" x 2"	8-1/2" x 1-3/16"	50986	2,500	1
8" x 2" x 2"	8-1/2" x 2"	50988	2,500	1



Mini Abrasive Flap Wheels on 1/8" shank

flap wheels in the world. Ideal for detailed finishing, hard to reach applications, and tooling and die maintenance.



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Dimensions (Dia. X Width)	Shank	Specifications						Max R.P.M.	Box Qty.
		A60	A80	A120	A180	A240	A320		
3/8" x 3/8"	1/8"	12004	12005	12007	12009	12010	12011	40,000	10
5/8" x 5/8"	1/8"	12024	12025	12027	12029	12030	12031	40,000	10
5/8" x 3/4"	1/8"	12044	12045	12047	12049	12050	12051	40,000	10
3/4" x 3/16"	1/8"	12064	12065	12067	12069	12070	12071	35,000	10
3/4" x 3/4"	1/8"	12144	12145	12147	12149	12150	12151	35,000	10
1-3/16" x 1/8"	1/8"	12264	12265	12267	12269	12270	12271	30,000	10
1-3/16" x 3/16"	1/8"	12284	12285	12287	12289	12290	12291	30,000	10
1-3/16" x 3/8"	1/8"	12324	12325	12327	12329	12330	12331	30,000	10

Abrasive Flap Wheel Cups on 1/4" shank

Recessed core allows you to use the top of the wheel. Good choice for grinding interior corners of tanks, cabinets and cylinders.

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Dimensions (Dia. X Width)	Shank	Specifications			Max R.P.M.	Box Qty.
		A60	A80	A120		
1-1/2" x 1-1-3/16"	1/4"	16624	16625	16627	24,000	10
2" x 1-3/16"	1/4"	16664	16665	16667	20,000	10
2-1/2" x 1-3/16"	1/4"	16724	16725	16727	18,000	10
2-1/2" x 1-1/2"	1/4"	16744	16745	16747	18,000	10
3" x 1-3/16"	1/4"	16804	16805	16807	16,000	10
3" x 2"	1/4"	16844	16845	16847	12,000	10



Abrasive Flap Wheel Brushes on 1/4" shank

Abrasive flaps have multiple slits to increase flexibility. Less aggressive than normal wheels, but conform well to irregular shapes, profiles and small openings. Excellent choice for finishing woodwork contours.

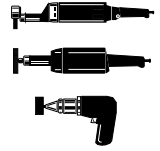


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Dimensions (Dia. X Width)	Shank	Specifications				Max R.P.M.	Box Qty.
		A120	A180	A240	A320		
1-1/2" X 3/4"	1/4"	16067	16069	16070	16071	24,000	10
2" X 3/4"	1/4"	16147	16149	16150	16151	20,000	10
2" x 1-3/16"	1/4"	16187	16189	16190	16191	20,000	10
2-1/2" x 1-3/16"	1/4"	16287	16289	16290	16291	18,000	10
2-1/2" x 2"	1/4"	16327	16329	16330	16331	18,000	10
3" X 1-3/16"	1/4"	16407	16409	16410	16411	16,000	10
3" X 2"	1/4"	16447	16449	16450	16451	9,600	10



For Die Grinders
Straight Grinders
and Drills



ULTRA Finishing Flap Wheels on 1/4" shank

Unique, nylon foam with a layer of Ultra-Fine silicon carbide grain for near polished finishes. Non-loading silicon carbide works on plastics, fiberglass, laquers, woodwork, aluminum and metals.

QUICK GUIDE	Dimensions (Dia. X Width)	Shank	Specifications			Max R.P.M.	Box Qty.
			U320	U600	U1500		
Cleaning	1" X 1"	1/4"	20822	20823	20826	15,000	10
Grinding	2" X 1"	1/4"	20862	20863	20866	13,700	10
Deburring	3" X 1"	1/4"	20882	20883	20886	8,600	10
Blending	3" X 2"	1/4"	20902	20903	20906	8,600	10
Finishing							
Polishing							

Note: Nearly any product on 1/4" shank can be special ordered with 1/4-20 threaded version.

Mounted Felt Polishing Flap Wheels



NEW and EXCLUSIVE!

Designed and manufactured exclusively for Phoenix, Felt Flap Wheels replace cotton bobs, buffs, and solid points in polishing applications. Use with existing polishing compounds, pastes or rouges to produce up to a mirror finish on a variety of materials including: Stainless Steel, Carbon Steel, Aluminum, Glass, Plastics, Marble and Stone.

Degree of Finish is determined by the polishing compound.

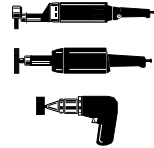
Available in several Densities and Flap Thicknesses for softer, more flexible performance. (D=Flap thickness, H=Felt Density)

Compared to existing polishing products, Felt Flap Wheels:

- * Felt Flaps run cooler without burning.
- * Felt Flaps are flexible, eliminating the need for a variety of wheel shapes.

Diameter	Optimum RPM For Best Results
3/4"	9,500 - 14,200
1"	7,600 - 11,400
1 1/2"	4,750 - 7,100
2"	3,800 - 5,700
3"	2,400 - 3,560

For Die Grinders
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Mounted Felt Polishing Flap Wheels on 1/4" shank

Soft wool felt flaps produce up to a mirror finish.

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Dimensions (Dia. X Width)	Shank	Standard Flexibility		Extra-Flexible		Max R.P.M.	Box Qty
		Soft D2 / H25	Medium D2 / H40	Soft	Medium		
1" x 1"	1/4"	20621	20622			15,000	10
1-1/2" x 1"	1/4"	20651	20652			15,000	10
		D3 / H25	D3 / H40	D2 / H25	D2 / H40		
2" x 1"	1/4"	20661	20662	20666	20667	13,700	10
2" x 2"	1/4"	20671	20672	20676	20677	13,700	10
3" x 1"	1/4"	20681	20682	20686	20687	8,600	10
3" x 2"	1/4"	20701	20702	20706	20707	8,600	10

New !!!



Mini Felt Polishing Flap Wheels on 1/8" shank

For use in smaller, hard to reach detail polishing.

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Dimensions (Dia. X Width)	Shank	Standard Flexibility		Max R.P.M.	Box Qty.
		Soft D2/H25	Medium D2/H40		
3/4" x 3/4"	1/8"	22601	22602	15,000	10
1" x 3/4"	1/8"	22611	22612	15,000	10
1" x 1"	1/8"	22621	22622	15,000	10

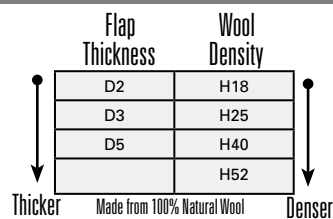
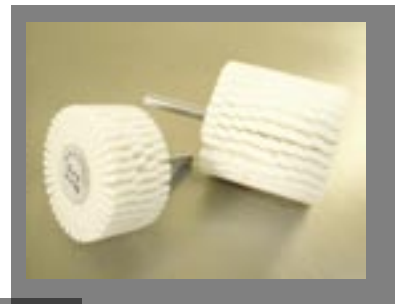


Mounted Felt Polishing Flap Brushes on 1/4" shank

Felt flaps are slit lengthwise for even greater flexibility on irregular shapes and contours.

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Dimensions (Dia. X Width)	Shank	Standard Flexibility		Extra-Flexible		Max R.P.M.	Box Qty
		Soft D3 / H25	Medium D3 / H40	Soft D2 / H25	Medium D2 / H40		
2" x 1"	1/4"	20761	20762	20766	20767	13,700	10
2" x 2"	1/4"	20771	20772	20776	20777	13,700	10
3" x 1"	1/4"	20781	20782	20786	20787	8,600	10
3" x 2"	1/4"	20791	20792	20796	20797	8,600	10



QUICK TIP:

Felt Flap wheels must be used with polishing pastes or compounds. The rouge or paste will determine the degree of finish.



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Unmounted Interleaf Finishing Flap Wheels

Alternating flaps of abrasive cloth and nonwoven finishing material. Provides some stock removal while producing a brushed finish. Also good for deburring and finishing in one step.

Dimensions (Diameter X Width X Arbor)	Specifications					Max R.P.M.	Box Qty.
	A80 / Med	A120 / Medium	A150 / Fine	A180 / Fine	A240 / V.Fine		
6" x 1" x 1"	25572	25573	25574	25575	25576	3,200	5
6" x 2" x 1"	25592	25593	25594	25595	25596	3,200	2
8" x 1" x 1"	25602	25603	25604	25605	25606	2,400	5
8" x 2" x 1"	25622	25623	25624	25625	25626	2,400	2

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Unmounted Nonwoven Finishing Flap Wheels

Non-aggressive nylon material produces a smooth surface finish.



Dimensions (Diameter X Width X Arbor)	Specifications					Max R.P.M.	Box Qty.
	A-Coarse	A-Medium	A-Fine	A-Very Fine	S-Ultra Fine		
6" x 1" x 1"	26470	26471	26472	26473	26474	3,200	5
6" x 2" x 1"	26490	26491	26492	26493	26494	3,200	2
8" x 1" x 1"	26500	26501	26502	26503	26504	2,400	5
8" x 2" x 1"	26520	26521	26522	26523	26524	2,400	2

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Unmounted Felt Polishing Flap Wheels & Flap Wheel Brushes

Flap wheels of 100% wool felt are used with a compound or polish to produce up to a mirror finish. Unique flap construction is flexible and runs cooler.



Flaps on the brush version are slit lengthwise to increase flexibility. Ideal for polishing irregular shapes and surfaces.

Dimensions (Dia. X Width x Arbor)	Standard Flap	
	Soft D5 / H25	Medium D5 / H40
4" x 1" x 5/8"	46011	46012
6" x 1" x 1"	46051	46052
6" x 2" x 1"	46111	46112
6" x 3" x 1"	46131	46132
8" x 1" x 1"	46301	46302
8" x 2" x 1"	46361	46362
8" x 3" x 1"	46381	46382
8" x 4" x 1"	46401	46402
8" x 6" x 1"	46421	46422

Brush Version	
Soft D5 / H25	Medium D5 / H40
-	-
-	-
46611	46612
46631	46632
-	-
46861	46862
46881	46882
46901	46902
46921	46922

Diameter	Max R.P.M	Optimum RPM For Best Results
4"	3,700	1,900 - 2,850
6"	3,200	1,260 - 1,900
8"	2,400	950 - 1,430



Flap Rolls have a wide profile (up to 4") which make them an ideal accessory for finishing large surface areas with portable finishing tools*. Their rotation provides a grained, or linear surface finish, as opposed to the swirl pattern produced by discs. Common applications include stainless steel panels, cabinets and food preparation equipment. All Flap Rolls have a quad-keyway design to prevent slipping and fit nearly all keyed spindles.



Abrasive Flap Rolls

Made with Premium Aluminum Oxide grain on an X-weight backing for general deburring, cleaning, and finishing applications on carbon and stainless steels. Available in grits 24-400.

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Dimensions (Diameter X Width X Arbor)	Specifications				Max R.P.M.	Box Qty.
	A40	A60	A80	A120		
4" x 2" x 3/4" quad keyway	23062	23063	23064	23066	3,700	1
4" x 4" x 3/4" quad keyway	23162	23163	23164	23166	3,700	1

Abrasive Flap Roll Brushes

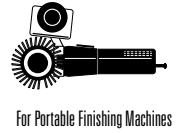
Similar to above, but with flaps slit lengthwise for added flexibility. Softer, mop configuration conforms to irregular shapes and contours. Available in grits 60-400.



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Dimensions (Diameter X Width X Arbor)	Specifications			Max R.P.M.	Box Qty.
	A60	A80	A120		
4" x 2" x 3/4" quad keyway	23243	23244	23245	3,700	1
4" x 4" x 3/4" quad keyway	23263	23264	23265	3,700	1

* Note: Flap Rolls are designed for specialized finishing tools which are rated at 3,700 RPM's or lower,



REX Nonwoven Cleaning Rolls

Coarse Silicon Carbide grain impregnated throughout a heavy nylon web. Excellent for rust and paint removal, cleaning, surface preparation, and deburring.

QUICK GUIDE		Dimensions (Diameter X Width X Arbor)	Specification S-Coarse	Max R.P.M.	Box Qty.
Cleaning	Grinding				
Deburring	Blending	4" x 2" x 3/4" quad keyway	23953	3,700	1
Finishing	Polishing	4" x 4" x 3/4" quad keyway	23963	3,700	1



Interleaf Finishing Flap Rolls

Alternating flaps of Aluminum Oxide coated abrasive and Nonwoven material produces a brushed surface finish. The coated abrasive makes the product slightly more aggressive than a nylon roll (below) for light finishing and deburring.

QUICK GUIDE		Dimensions (Diameter X Width X Arbor)	Specifications				Max R.P.M.	Box Qty.
Cleaning	Grinding		A 60 / Coarse	A 80 / Medium	A 150 / Fine	A 240 / V. Fine		
Deburring	Blending	4" x 2" x 3/4" quad keyway	23431	23432	23435	23437	3,700	1
Finishing	Polishing	4" x 4" x 3/4" quad keyway	23481	23482	23485	23487	3,700	1



Nonwoven Finishing Flap Rolls

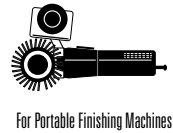
Flaps of Nonwoven nylon finishing material for surface preparation and finishing applications. Also available in Grey Ultra-Fine material.

QUICK GUIDE		Dimensions (Diameter X Width X Arbor)	Specifications					Max R.P.M.	Box Qty.
Cleaning	Grinding		A - Coarse	A - Medium	A - Fine	A - V. Fine	S - U. Fine		
Deburring	Blending	4" x 2" x 3/4" quad keyway	23730	23731	23732	23733	23734	3,700	1
Finishing	Polishing	4" x 4" x 3/4" quad keyway	23780	23781	23782	23783	23784	3,700	1



QUICK TIP:

Nonwoven and Interleaf products should always be run at lower speeds than coated abrasives. This will extend the roll life and improve finish.



Ultra Finishing Flap Rolls

Ultra-fine silicon carbide grit on a sponge-like flap provides exceptional finish on metals, stainless steel, aluminum, fiberglass, plastics and stone surfaces without loading. The next step below a polished surface.



New !!!

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Dimensions (Diameter X Width X Arbor)	Specifications			Max R.P.M.	Box Qty.
	U320	U600	U1500		
4" x 2" x 3/4" quad keyway	23601	23602	23605	3,700	1
4" x 4" x 3/4" quad keyway	23611	23612	23615	3,700	1

New !!!

Felt Polishing Flap Rolls

Use in combination with a buffing or polishing compound to produce up to a mirror finish. Made from 100% wool felt.



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Dimensions (Diameter X Width X Arbor)	Standard		Extra Flexible		Max R.P.M.	Box Qty.
	Soft D5 / H25	Medium D5 / H40	Soft D3 / H25	Medium D3 / H40		
4" x 2" x 3/4" quad keyway	23801	23802	23806	23807	3,700	1
4" x 4" x 3/4" quad keyway	23821	23822	23826	23827	3,700	1

Felt Polishing Flap Roll Brushes

Felt Flaps are slit lengthwise to further increase flexibility, and conform to irregular shapes and surfaces.

New !!!

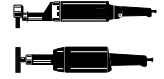
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Dimensions (Diameter X Width X Arbor)	Standard		Extra Flexible		Max R.P.M.	Box Qty.
	Soft D5 / H25	Medium D5 / H40	Soft D3 / H25	Medium D3 / H40		
4" x 2" x 3/4" quad keyway	23841	23842	23846	23847	3,700	1
4" x 4" x 3/4" quad keyway	23861	23862	23866	23867	3,700	1



QUICK TIP:

Ultra Finishing and Felt Products should always be run at lower speeds than coated abrasives. This will extend the roll life and improve finish.



For Use On Die Grinders and Straight Grinders

Made In USA

New !!!

Phoenix Solid Carbide burs are precision machine ground and balanced for smooth performance and long tool life. Available in a variety of shapes, sizes and cut patterns to fit most applications.



Double Cut - The most popular choice for rapid stock removal on Carbon and Stainless steel. The left hand crosscut produces smaller chips, providing better operator control and excellent finish.












Non-Ferrous - A very open, coarse cut for aggressive stock removal on Aluminum, Non-Ferrous materials, Plastics and Fiberglass. The open flutes resist loading on softer materials.



Extended Length Shanks - Many common sizes available in extended 6" long shanks for hard to reach applications. Custom lengths also available on special request.

Popular Shapes:

- | | | |
|------------|---|------------------------------|
| SA- |  | Cylinder |
| SB- |  | Cylinder with End Cut |
| SC- |  | Radius End Cylinder |
| SD- |  | Ball |
| SE- |  | Oval |
| SF- |  | Radius End Tree |
| SG- |  | Pointed Tree |
| SL- |  | Radius End Taper |
| SM- |  | Cone |

Miniature versions of these shapes are available on 1/8" shank for detailed work.



8-Piece Double Cut Bur Assortment
Part no. 65490

Oak kit contains, 1 each:
SA-5, SC-3, SC-5, SD-5,
SF-3, SF-5, SG-3, and SL-4 all
on standard 1/4" shank.












For Stainless Steel
and Carbon Steel

For Aluminum,
Brass, Fiberglass
and Plastics

Solid Carbide Burs



Shape	Dimensions		Standard Shank		6" Long Shank		Standard Shank	
	(Dia. x Length)	Shank	Type	Part no.	Type	Part no.	Type	Part no.
Cylinder - SA 	1/4" x 5/8"	1/4"	SA-1	65000				
	3/8" x 3/4"	1/4"	SA-3	65009	SA-3L6	65012	SA-3NF	65011
	1/2" x 1"	1/4"	SA-5	65015	SA-5L6	65018	SA-5NF	65017
	1/8" x 9/16"	1/8"	SA-43	65024				
End Cut Cylinder - SB 	3/8" x 3/4"	1/4"	SB-3	65059	SB-3L6	65062		
Radius End Cylinder - SC 	1/4" x 5/8"	1/4"	SC-1	65090				
	3/8" x 3/4"	1/4"	SC-3	65099	SC-3L6	65102	SC-3NF	65101
	1/2" x 1"	1/4"	SC-5	65105	SC-5L6	65108	SC-5NF	65107
	1/8" x 9/16"	1/8"	SC-42	65116				
Ball - SD 	1/4" x 7/32"	1/4"	SD-1	65140				
	3/8" x 5/16"	1/4"	SD-3	65149	SD-3L6	65152	SD-3NF	65151
	1/2" x 7/16"	1/4"	SD-5	65158			SD-5NF	65160
	1/8" x 1/8"	1/8"	SD-42	65167				
Oval - SE 	1/4" x 3/8"	1/4"	SE-1	65190				
	3/8" x 5/8"	1/4"	SE-3	65196				
	1/2" x 7/8"	1/4"	SE-5	65202	SE-5L6	65205		
	1/8" x 7/32"	1/8"	SE-41	65211				
Radius End Tree - SF 	1/4" x 3/4"	1/4"	SF-1	65240				
	3/8" x 3/4"	1/4"	SF-3	65246	SF-3L6	65249	SF-3NF	65248
	1/2" x 1"	1/4"	SF-5	65252	SF-5L6	65255	SF-5NF	65254
	1/8" x 1/2"	1/8"	SF-42	65258				
Pointed Tree - SG 	1/4" x 5/8"	1/4"	SG-1	65280				
	3/8" x 3/4"	1/4"	SG-3	65286	SG-3L6	65289		
	1/2" x 1"	1/4"	SG-5	65292	SG-5L6	65295		
	1/8" x 1/2"	1/8"	SG-44	65304				
Radius End Taper - SL 	1/4" x 5/8"	1/4"	SL-1	65360				
	3/8" x 1-1/16"	1/4"	SL-3	65369	SL-3L6	65372		
	1/2" x 1-1/8"	1/4"	SL-4	65375				
	1/8" x 1/2"	1/8"	SL-42	65383				
Cone - SM 	1/4" x 1/2"	1/4"	SM-1	65400				
	3/8" x 5/8"	1/4"	SM-4	65406				
	1/2" x 7/8"	1/4"	SM-5	65409				
	1/8" x 7/16"	1/8"	SM-42	65412				

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Other shapes, sizes and cuts available upon request.



"YOUR ONE STOP ABRASIVES SHOP!"

Phoenix Abrasives is obsessed with committing all our resources and efforts for complete customer satisfaction.

5-POINT PADS 	ASSEMBLIES & WOLFHEAD 	BACK-UP PADS 	BELT CLEANERS 	BELTS - CONVEYOR 	BELTS - SANDING
BORE POLISHERS 	BUFFS & COMPOUND 	CARBIDE BURS 	CARTRIDGE ROLLS 	CROSS PADS 	DISCS - FIBRE & CUTTER
DISCS - PSA & VELCRO 	DISCS - QUICK CHANGE 	FLAP BANDS 	FLAP DISCS - FELT 	FLAP DISCS - SANDING 	FLAP ROLLS
FLAP WHEELS 	GREASE & WAX STICKS 	MANDRELS 	MOUNTED STONES - COTTON 	MOUNTED STONES - FELT 	MOUNTED STONES - RESIN
MOUNTED STONES - UNITIZED 	ROLLS - CLOTH & PAPER 	ROLLS - GRAPHITE 	ROLLS - SHOP & UTILITY 	SANDING SPONGES 	SHEETS
SQUARE PADS 	WHEELS - BENCH 	WHEELS - COTTON 	WHEELS - CUT-OFF 	WHEELS - TYPE 27 & 28 	WIRE WHEELS

NON - WOVEN

BELTS 	BUFFS 	CLEAN & STRIP 	CONVOLUTE WHEELS 	DISCS - NYLON 	DISCS - MOUNTED
DISCS - SURFACE CONDITIONING 	DISCS - QUICK CHANGE 	FLAP DISCS 	FLAP WHEELS 	FLAP WHEELS - INTERLEAVED 	HAND PADS
MAINTENANCE PADS 	POLISHING WHEELS 	ROLLS 	SPIRAL BANDS 	STARS 	UNITIZED WHEELS

AND MUCH, MUCH, MORE...
LET US GO TO WORK FOR YOU.
WWW.PHOENIXABRASIVES.COM