



Coated, Bonded
& Non-Woven
Product Catalog &
Reference Guide



Standard Abrasives™

Over 50 Years of Success and Service

Since 1959, the Standard Abrasives brand has been changing the way industry works with a variety of coated, bonded and non-woven abrasives designed for productive high-speed deburring, grinding, polishing, finishing and cleaning applications on metal surfaces of all types.

1959: Quick Change Discs Introduced. Introduction of the first patented all-metal quick change fastening system revolutionized the way metals were ground. Originally named SocAtt metal-to-metal system (now named TS System), it remains the most popular choice for attaching discs to power tools.



1979: Quick Change Non-Woven Discs. The Standard Abrasives line of quick change discs expanded to include non-woven abrasives.

1983: Manufacturing Expansion. A manufacturing facility in Brookville, Ohio was acquired to expand the Standard Abrasives brand of coated abrasive specialties.

1994: Non-Woven Expansion. An environmentally responsible non-woven manufacturing facility was built in California in order to manufacture the highest quality products.

1997: Room to Grow. More space was needed for the growing family of Standard Abrasives products and new facilities were added in Simi Valley, California.

1998: ISO 9001 Certification. The manufacturing facility in Oak Hills, California became ISO 9001 Certified.

1999: New & Advanced Convolute Wheels. The new Standard Abrasives Convolute Wheel is introduced.

2000: Manufacturing Growth. The ISO 9001 certified facility in Oak Hills, California doubles its size and manufacturing capacity.

2003: Flap Brush Manufacturing. A full line of Mandrel-mounted and large Flap Brushes are introduced under the Standard Abrasives brand.

2008: Cut-Off Wheels. The Standard Abrasives line is expanded to include Cut-Off Wheels.

2009: 50th Anniversary. The Standard Abrasives brand turned 50 and looked forward to a bright future of changing the way industry works, far into the next century.

About this Guide



Applications & Comparisons

This catalog contains detailed information about Standard Abrasives™ coated abrasive specialties, bonded and non-woven products, with particular emphasis on applications and operating tips.

Availability

The most popular items are stocked for immediate shipment, and are listed as Key Items in the Standard Abrasives Price Book.

Money-Saving Tips:

Help reduce costs across the supply chain by following recommended buying strategies designed to eliminate inefficiencies and reduce operating expenses:

- **Order in full case quantities:**

- Reduce inventory-tracking costs.
- Reduce number of orders.
- Reduce handling time.

- **Order the most popular products – Key Items:**

- Key items can cost less than non-stock “MTO” (Made-to-Order) items.
- Key items may require a lower minimum ordering quantity.
- Key items have shorter lead times for fastest delivery.

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Standard Abrasives™ Quick Change Discs for Disc Sanders

Choice of Quick Change Attachments

The Standard Abrasives brand offers three quick change attachment styles. Each offers fast disc changes, a centered disc and is smooth running to help reduce operating expenses and increase productivity by providing the most value and use out of every disc.

Variety of Abrasive Grains

Standard Abrasives Quick Change Discs for disc sanders are available in a choice of grains best suited for a variety of industrial applications:

A/O (Aluminum Oxide) – Fast cut rate, all-purpose versatility.

A/O Pro – Highest initial rate of cut of all A/O discs, ideal for prolonged edge work.

A/O Extra – High stock removable on difficult to grind and heat-sensitive metals.

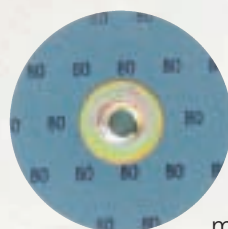
Silicon Carbide – Sharp cutting points provide rapid cutting action; best on non-ferrous metals.

Zirconia (formerly known as Norzon®) – Fast and aggressive stock removal for tough grinding applications; for heavy pressure use.

Zirconia Pro (formerly known as Power Zirc) – Cool running on stainless for extended stock removal; best performance when medium to heavy pressure is applied. Very durable.

Ceramic (formerly known as Pinnacle) – Cool cutting action reduces loading risk and discoloration, best on stainless and high nickel alloys.

Ceramic Pro (formerly known as Pinnacle Pro) – Higher ratio of blended ceramic grain; best in class for cut, coolness, edge durability and life.



Quick Change TS System was introduced in 1959 as the SocAtt original metal-to-metal quick change sanding system. Now called the TS System, it remains the most popular style for safety, productivity and fast disc changes. Change discs by simply twisting to unlock the disc from the holder pad.



Quick Change TR System (formerly known as Lockit) features a common nylon threaded male (screw type) hub. Easily mounts to TR or Roloc™ type holder pads holder pads with a half turn. Stays securely in place for the life of the disc.



Quick Change TP System (formerly known as ClickOn) features a snap-on/snap-off nylon fastening hub. Allows for quick disc changes when working on mild contours, as well as flat surfaces. Mounts to TP or Power-Lock™ Type I holder pads.

QUICK CHANGE COATED ABRASIVE DISCS

	MINERAL							
	GOOD				BETTER		BEST	
	A/O	A/O PRO	A/O EXTRA	SILICON CARBIDE	ZIRCONIA	ZIRCONIA PRO	CERAMIC	CERAMIC PRO
PRODUCT APPLICATIONS								
MRO	•	•	•					
GRIND	•	•	•	•	•	•	•	•
HEAT-SENSITIVE			•			•	•	•
DEBURR	•	•	•	•	•	•	•	•
BLEND	•	•		•	•			
FINISH				•				
MATERIALS								
FERROUS	•	•						
NON-FERROUS		•		•				
ALUMINUM			•			•		
HIGH NICKEL/CHROME ALLOYS			•		•		•	•
STAINLESS STEEL						•	•	•
TITANIUM				•	•			
COMPOSITES	•	•				•		
PRESSURE APPLICATIONS	LOW	MEDIUM	LOW	LOW	HIGH	MED-HIGH	HIGHEST	HIGHEST

Most Quick Change Coated Abrasive Discs are available in TS, TR and TP attachment systems. Call for availability.

QUICK CHANGE ALUMINUM OXIDE DISCS

Quick Change A/O Discs, 2 Ply

- Ideal for flat or contoured surfaces
- Best for MRO grinding, deburring & finishing on ferrous metals



GRADE	3/4"		1"		1 1/2"		2"		3"	
	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.
24	522101	—	522201	592201	522301	592301	522401	592401	522501	592501
36	522102	—	522202	592202	522302	592302	522402	592402	522502	592502
40	522103	—	522203	592203	522303	592303	522403	592403	522503	592503
50	522104	—	522204	592204	522304	592304	522404	592404	522504	592504
60	522105	—	522205	592205	522305	592305	522405	592405	522505	592505
80	522106	—	522206	592206	522306	592306	522406	592406	522506	592506
100	522107	—	522207	592207	522307	592307	522407	592407	522507	592507
120	522108	—	522208	592208	522308	592308	522408	592408	522508	592508
150	522109	—	522209	—	522309	592309	522409	592409	522509	592509
180	522110	—	522210	592210	522310	592310	522410	592410	522510	592510
240	522111	—	522211	592211	522311	592311	522411	592411	522511	592511
320	522112	—	522212	592212	522312	592312	522412	592412	522512	592512
Min. Pkg.	100	100	100	100	100	100	100	100	50	50
Case Qty.	1000	1000	1000	1000	1000	1000	1000	1000	500	500

4" and 5" sizes available. Also available in TP style attachment. Call for delivery and minimums.

QUICK CHANGE ALUMINUM OXIDE DISCS – continued

Quick Change A/O Pro Discs, 2 Ply

- Premium A/O grain has higher fracture strength
- Best for MRO applications where edge durability is needed
- Great cut rate (initial and sustained) for A/O Disc



	1 1/2"		2"		3"	
GRADE	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.
24	—	599301	529401	599401	529501	599501
36	529302	599302	529402	599402	529502	599502
40	529303	599303	529403	599403	529503	599503
50	529304	599304	529404	599404	529504	599504
60	529305	599305	529405	599405	529505	599505
80	529306	599306	529406	599406	529506	599506
100	529307	—	529407	599407	529507	599507
120	529308	599308	529408	599408	529508	599508
150	—	—	529409	599409	529509	599509
180	529310	—	529410	599410	529510	599510
240	529312	599312	529412	599412	529512	599512
320	529313	—	529413	599413	529513	599513
Min. Pkg.	100	100	100	100	50	50
Case Qty.	1000	1000	1000	1000	500	500

4" and 5" sizes available. Also available in TP style attachment. Call for delivery and minimums.

Quick Change A/O Extra Discs, 2 Ply

- Ideal for flat or contoured surfaces
- Good for difficult to grind metals such as aircraft grade Aluminum, High Nickel, Chrome Alloys, & heat-sensitive metal



	3/4"		1"		1 1/2"		2"		3"	
GRADE	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.
36	522152	—	522252	592252	522352	592352	522452	592452	522552	592552
40	522153	—	522253	592253	522353	592353	522453	592453	522553	592553
50	522154	—	522254	592254	522354	592354	522454	592454	522554	592554
60	522155	—	522255	592255	522355	592355	522455	592455	522555	592555
80	522156	—	522256	592256	522356	592356	522456	592456	522556	592556
100	522157	—	522257	—	522357	592357	522457	592457	522557	592557
120	522158	—	522258	592258	522358	592358	522458	592458	522558	592558
Min. Pkg.	100	100	100	100	100	100	100	100	50	50
Case Qty.	1000	1000	1000	1000	1000	1000	1000	1000	500	500
WITH VACUUM HOLES							4 HOLES		6 HOLES	
36	—	—	—	—	—	—	524452	594452	524552	594552
60	—	—	—	—	—	—	524455	594455	524555	594555
80	—	—	—	—	—	—	524456	594456	524556	594556
120	—	—	—	—	—	—	524458	594458	524558	—
Min. Pkg.							100	100	100	100
Case Qty.							1000	1000	1000	1000

4" and 5" sizes available. Also available in TP style attachment. Call for delivery and minimums.

QUICK CHANGE SILICON CARBIDE DISCS

Quick Change Silicon Carbide Discs, 2 Ply

- Sharp cutting points for rapid cutting action
- Used on non-ferrous metals



	1"		1 1/2"		2"		3"	
GRADE	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.
24	—	—	—	—	—	—	522513	—
36	522214	592214	522314	592314	522414	592414	522514	592514
40	522215	592215	522315	592315	522415	592415	522515	592515
50	—	592216	522316	592316	522416	592416	522516	592516
60	522217	592217	522317	592317	522417	592417	522517	592517
80	522218	592218	522318	592318	522418	592418	522518	592518
100	522219	592219	522319	592319	522419	592419	522519	592519
120	522220	592220	522320	592320	522420	592420	522520	592520
150	522221	592221	522321	592321	522421	592421	—	592521
180	522222	—	522322	592322	522422	592422	522522	592522
240	522223	592223	522323	592323	522423	592423	522523	592523
Min. Pkg.	100	100	100	100	100	100	50	50
Case Qty.	1000	1000	1000	1000	1000	1000	500	500

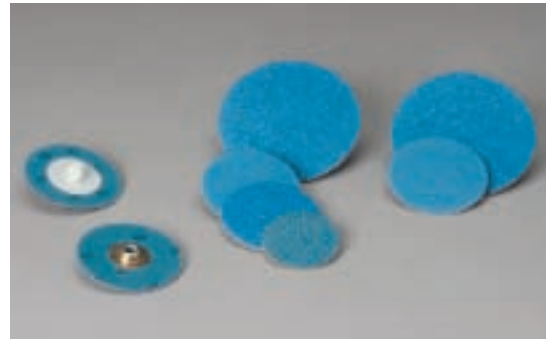
4" and 5" sizes available. Also available in TP style attachment. Call for delivery and minimums.

QUICK CHANGE ZIRCONIA DISCS

Quick Change Zirconia Discs, 2 Ply

(Formerly known as Norzon®)

- Better choice for heavy stock removal on difficult to grind metals including exotic metals such as super alloys, Titanium, composites and fiberglass.
- Best performance under heavy pressure



	1"		1 1/2"		2"		3"	
GRADE	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.
36	522226	592226	522326	592326	522426	592426	522526	592526
40	522227	592227	522327	592327	522427	592427	522527	592527
50	522228	—	522328	592328	522428	592428	522528	592528
60	522229	592229	522329	592329	522429	592429	522529	592529
80	522230	592230	522330	592330	522430	592430	522530	592530
120	522232	—	522332	592332	522432	592432	522532	592532
Min. Pkg.	100	100	100	100	100	100	50	50
Case Qty.	1000	1000	1000	1000	1000	1000	500	500

4" and 5" sizes available. Also available in TP style attachment. Call for delivery and minimums.

QUICK CHANGE ZIRCONIA DISCS – continued

Quick Change Zirconia Pro Discs, 2 Ply

(Formerly known as Power Zirc)

- Better choice for rapid stock removal on stainless steel
- Lubricated coating on a Y-weight backing
- Best performance under medium-to-heavy pressure



	1"		1 1/2"		2"		3"	
GRADE	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.
36	528222	598222	528322	598322	528422	598422	528522	598522
40	528223	—	528323	598323	528423	598423	528523	598523
50	528224	598224	528324	598324	528424	598424	528524	598524
60	528225	598225	528325	598325	528425	598425	528525	598525
80	528226	598226	528326	598326	528426	598426	528526	598526
120	528228	598228	528328	598328	528428	598428	528528	598528
Min. Pkg.	100	100	100	100	100	100	50	50
Case Qty.	1000	1000	1000	1000	1000	1000	500	500

4" and 5" sizes available. Also available in TP style attachment. Call for delivery and minimums.

QUICK CHANGE CERAMIC OXIDE DISCS

Quick Change Ceramic Discs, 2 Ply

(Formerly known as Pinnacle Ceramic)

- Best choice for rapid stock removal on Stainless Steel and High Nickel Alloys
- Lubricated coating for cool running
- Heavy pressure required



	1"		1 1/2"		2"		3"	
GRADE	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.
36	525212	—	525312	595312	525412	595412	525512	595512
50	525214	—	525314	595314	525414	595414	525514	595514
60	525215	595215	525315	595315	525415	595415	525515	595515
80	525216	595216	525316	595316	525416	595416	525516	595516
100	525217	595217	525317	—	525417	595417	525517	595517
120	525218	595218	525318	595318	525418	595418	525518	595518
Min. Pkg.	100	100	100	100	100	100	50	50
Case Qty.	1000	1000	1000	1000	1000	1000	500	500

4" and 5" sizes available. Also available in TP style attachment. Call for delivery and minimums.

QUICK CHANGE CERAMIC OXIDE DISCS – continued

Quick Change Ceramic Pro Discs, 2 Ply

(Formerly known as Pinnacle Pro)

- Best choice for rapid stock removal on Stainless Steel and High Nickel Alloys
- Highest edge durability for prolonged edge work
- Great stock removal on flat surfaces
- Stiffness similar to Resin Fiber Disc
- Lubricated coating for cool running



	1 1/2"		2"		3"	
GRADE	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.
24	—	—	524480	594480	524580	594580
36	524381	594381	524481	594481	524581	594581
40	—	—	524482	594482	524582	594582
50	—	594384	524483	594483	524583	594583
60	524384	—	524484	594484	524584	594584
80	524385	594385	524485	594485	524585	594585
100	—	—	524486	—	—	—
120	—	—	—	594487	524587	594587
Min. Pkg.	100	100	100	100	50	50
Case Qty.	1000	1000	1000	1000	500	500

4" and 5" sizes available. Also available in TP style attachment. Call for delivery and minimums.

QUICK CHANGE DISCS WITH 5/8-11 HUB

TS Attachment System with 5/8-11 Hub

- Incorporates a 5/8-11 metal TS hub for easy attachment to any pneumatic or electric right angle grinder with a 5/8-11 spindle



DIAMETER	GRADE	HUB SIZE	ATTACHMENT SYSTEM	MAXIMUM R.P.M.	ALUMINUM OXIDE	ZIRCONIA PRO	CERAMIC PRO
4 1/2"	36	5/8-11	TS	10,000	522802	528822	524881
	60	5/8-11	TS	10,000	522805	528825	524884
	80	5/8-11	TS	10,000	522806	528826	524885
5"	36	5/8-11	TS	10,000	522902	528922	524981
	60	5/8-11	TS	10,000	522905	528925	524984
	80	5/8-11	TS	10,000	522906	528926	524985
Min. Pkg.					10	10	10
Case Qty.					100	100	100

QUICK CHANGE DISC HOLDER PADS

Holder Pads for Quick Change Discs

- Firm face style has molded phenolic face for improved and snag-free grinding
- Cool running
- Easy-on/easy-off attachment systems
- Soft grade for fine finishing and contouring
- Medium grade for general purpose work
- Firm grade for heavy stock removal



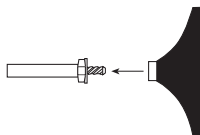
ATTACHMENT SYSTEM	PAD ONLY PART NO.	PAD w/TA4 MANDREL PART NO.	DIAMETER	DENSITY	DESCRIPTION	MAXIMUM R.P.M.
TS	541001	541051	3/4"	Medium	SM 3/4	40,000
	541002	541052	1"	Medium	SM 1	40,000
	541003	541053	1 1/2"	Soft	SS 1 1/2	20,000
	541004	541054	1 1/2"	Medium	SM 1 1/2	25,000
	541005	541055	1 1/2"	Firm	SF 1 1/2	30,000
	541006	541056	2"	Soft	SS 2	20,000
	541007	541057	2"	Medium	SM 2	25,000
	541008	541058	2"	Firm	SF 2	30,000
	541009	541059	3"	Soft	SS 3	12,000
	541010	541060	3"	Medium	SM 3	20,000
	541011	541061	3"	Firm	SF 3	20,000
	541012	541062	4"	Medium	SM 4	12,000
TR	541014	541064	5"	Medium	SM 5	8,000
	546002	546052	1"	Medium	LM 1	20,000
	546003	546053	1 1/2"	Soft	LS 1 1/2	20,000
	546004	546054	1 1/2"	Medium	LM 1 1/2	25,000
	546005	546055	1 1/2"	Firm	LF 1 1/2	30,000
	546006	546056	2"	Soft	LS 2	20,000
	546007	546057	2"	Medium	LM 2	25,000
	546008	546058	2"	Firm	LF 2	30,000
	546009	546059	3"	Soft	LS 3	12,000
	546010	546060	3"	Medium	LM 3	20,000
TP	546011	546061	3"	Firm	LF 3	20,000
	—	548054	1 1/2"	Medium	PM 1 1/2	30,000
	—	548057	2"	Medium	PM 2	30,000
	—	548060	3"	Medium	PM 3	20,000

See page 5 for attachment system descriptions.

All TS and TR holder pads have 1/4-20 female thread.

TP holder pads only available with TA4 Mandrel attached.

1/4" TA4 Mandrel available separately, part number 540013.



PAD MANDRELS		
PART NO.	DESCRIPTION	SIZE
540013	TA 4	1/4" Mandrel
440025	TA 6	6 MM Mandrel
541034	—	1/4" Mini Track Mandrel

Other adapters are available. Call for delivery and minimums.

TS Holder Pads for Discs with 5/8-11 Hub



ATTACHMENT SYSTEM	PART NO.	DIAMETER	DENSITY	DESCRIPTION	MAXIMUM R.P.M.
TS	543630	4 1/2"	Medium	SM 45 F	18,000
	543632	5"	Medium	SM 55 F	18,000
BD*	543629	4 1/2"	Medium	BD 45 F	18,000
	543629	5"	Medium	BD 55 F	18,000

*BD – Low Profile Holder Pad fits Black & Decker.

Replacement retainer nut part number 542012.

Holder Pads have 5/8"-11 female thread.

PAD ADAPTERS		
	PART NO.	SIZE
	547003	5/8-11M x 3/8-24F
	547008	5/8-11M x 5/8-11F
	547024	5/8-11M x 1/2-13F

Standard Abrasives™ Resin Fiber Discs

Resin Fiber Discs are used for weld blending, grinding, deburring, and finishing applications on various metal substrates. Discs are ideal for removing imperfections on larger areas of all metals. They resist loading and have a high cut rate. Available in Aluminum Oxide, Premium Aluminum Oxide, Ceramic Oxide and Zirconia Alumina grains for a variety of applications.



Aluminum Oxide Resin Fiber Discs

- Best disc for removing welds and imperfections along with blending and finishing larger surface areas on ferrous metals
- Closed-coat Aluminum Oxide resin bond has strong 30 mil fiber backing for durability
- Versatile attachment systems



	2"		3"		4 1/2"		5"		7"	
GRADE	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	with 7/8" HOLE PART NO.	TS PART NO.	with 7/8" HOLE PART NO.	TS PART NO.	with 7/8" HOLE PART NO.
16	—	—	—	—	531001	530001	531101	530101	531201	530201
24	—	—	—	—	531002	530002	531102	530102	531202	530202
36	525402	595402	525502	595502	531003	530003	531103	530103	531203	530203
50	—	—	—	—	531004	530004	531104	530104	531204	530204
60	525405	595405	525505	595505	531005	530005	531105	530105	531205	530205
80	525406	595406	525506	595506	531006	530006	531106	530106	531206	530206
100	—	—	—	—	531007	530007	531107	530107	531207	530207
120	—	—	—	—	531008	530008	531108	530108	531208	530208
Min. Pkg.	100	100	50	50	25	25	25	25	25	25
Case Qty.	1000	1000	500	500	100	100	100	100	100	100

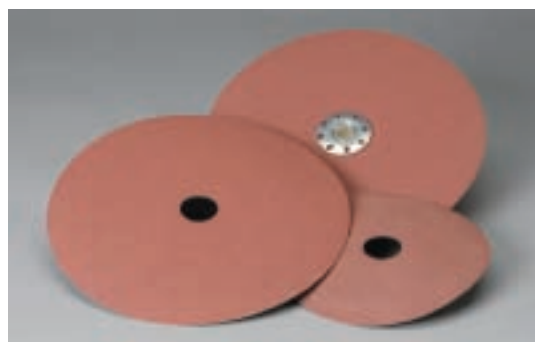
For easy identification, the name and grit are imprinted on each disc.

The maximum allowable RPM for Resin Fiber Discs is the same as the maximum RPM of the holder pad used to drive the discs, provided the holder pad and the disc are the same nominal diameter.

RESIN FIBER DISCS – continued

A/O Extra Resin Fiber Discs

- Best disc for difficult to grind metals such as 6061 and 7075 Aluminum, 300 and 400 Stainless Steel, and Steel Alloys
- Premium Aluminum Oxide grain extends life 2 to 3 times longer than comparable discs
- Cool running; reduced grinding heat on temperature-sensitive alloys
- Reduced risk of loading preserves metal appearance and improves finish
- Less pressure for accelerated removal rate and finer finish

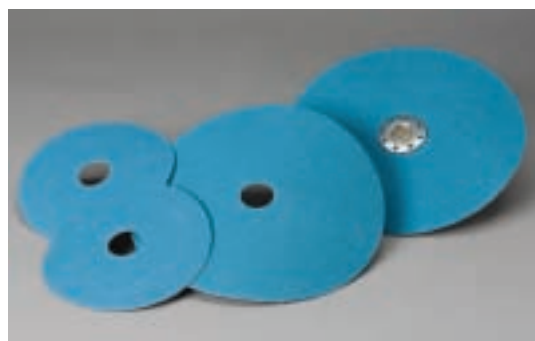


	5"		7"	
GRADE	TS PART NO.	with 7/8" HOLE PART NO.	TS PART NO.	with 7/8" HOLE PART NO.
36	531142	530142	531242	530242
50	531143	530143	531243	530243
60	531144	530144	–	530244
80	531145	530145	531245	530245
100	531146	530146	531246	530246
120	–	530147	531247	530247
Min. Pkg.	25	25	25	25
Case Qty.	100	100	100	100

Zirconia Resin Fiber Discs

(Formerly known as Zirc II)

- Best disc for removing imperfections, gates, risers, and parting lines on ferrous, exotic metals such as super alloys, high-strength Stainless Steel, and Cobalt
- Premium Zirconia Alumina grain for durability and fast, aggressive cutting action



	4 1/2"		5"		7"	
GRADE	TS PART NO.	with 7/8" HOLE PART NO.	TS PART NO.	with 7/8" HOLE PART NO.	TS PART NO.	with 7/8" HOLE PART NO.
24	531091	530091	531191	530191	531291	530291
36	531092	530092	531192	530192	531292	530292
50	531093	530093	531193	530193	531293	530293
60	531094	530094	531194	530194	531294	530294
80	531095	530095	531195	530195	531295	530295
Min. Pkg.	25	25	25	25	25	25
Case Qty.	100	100	100	100	100	100

For easy identification, the name and grit are imprinted on each disc.

The maximum allowable RPM for Resin Fiber Discs is the same as the maximum RPM of the holder pad used to drive the discs, provided the holder pad and the disc are the same nominal diameter.

Ceramic Resin Fiber Discs

(Formerly known as Pinnacle)



- Best disc for cool, rapid stock removal on all heat-sensitive metals, including Stainless Steel, Aluminum, High Nickel Alloys, Steel and Titanium
- Ceramic grain extremely durable; fastest stock removal of premium discs with easy grain regeneration
- High ratio blended ceramic oxide grain for cutting and support
- Self-lubricating grinding layer reduces heat, glazing, loading and stripping
- Heavy, durable fiber backing for superior grain support; ideal for prolonged stock removal
- Edge deburring and blending
- Weld removal on fabricated Stainless Steel
- Heavy flash and parting line removal on castings
- Grinding heavy machine tool marks
- Grinding and blending welds on large turbine blades

	4 1/2"		5"		7"	
GRADE	TS PART NO.	with 7/8" HOLE PART NO.	TS PART NO.	with 7/8" HOLE PART NO.	TS PART NO.	with 7/8" HOLE PART NO.
24	531032	530032	—	—	531321	530232
36	531033	530033	531312	530133	531322	530233
40	—	—	531313	530134	531323	530234
50	531035	530035	531314	530135	531324	530235
60	531036	530036	531315	530136	531325	530236
80	—	530037	—	—	—	530326
120	—	530029	—	—	—	530327
Min. Pkg.	25	25	25	25	25	25
Case Qty.	100	100	100	100	100	100

For easy identification, the name and grit are imprinted on each disc.

The maximum allowable RPM for Resin Fiber Discs is the same as the maximum RPM of the holder pad used to drive the discs, provided the holder pad and the disc are the same nominal diameter.

Holder Pads for 4 1/2", 5" & 7" Discs



- Firm-face style has molded phenolic face for improved and snag-free grinding
- Cool running
- Easy-on/off metal-threaded center
- Molded grip for ease of handling
- Soft grade for fine finishing and contouring
- Medium grade for general purpose work
- Firm grade for heavy stock removal

ATTACHMENT SYSTEM	PART NO.	DIAMETER	DENSITY	DESCRIPTION	MAXIMUM R.P.M.
TS	543630	4 1/2"	Medium	SM 45 F	18,000
	543632	5"	Medium	SM 55 F	18,000
	543602	7"	Soft	SS 7	8,600
	543603	7"	Medium	SM 7	8,600
	543604	7"	Firm	SF 7	8,600
BD*	543629	4 1/2"	Medium	BD 45 F	18,000
	543629	5"	Medium	BD 55 F	18,000

*BD – Low Profile Holder Pad for Resin Fiber Discs; fits Black & Decker.

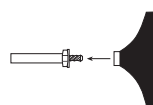
Replacement retainer nut part number 542012.

Holder Pads have 5/8"-11 female thread.

PAD ADAPTERS		
	PART NO.	SIZE
	547003	5/8-11M x 3/8-24F
	547008	5/8-11M x 5/8-11F
	547024	5/8-11M x 1 1/2-13F

RESIN FIBER DISC HOLDER PADS

Holder Pads for 2" & 3" Discs



PAD MANDRELS		
PART NO.	DESCRIPTION	SIZE
540013	TA 4	1/4" Mandrel
440025	TA 6	6 MM Mandrel

ATTACHMENT SYSTEM	PAD ONLY PART NO.	PAD w/TA4 MANDREL PART NO.	DIAMETER	DENSITY	DESCRIPTION	MAXIMUM R.P.M.
TS	541006	541056	2"	Soft	SS 2	20,000
	541007	541057	2"	Medium	SM 2	25,000
	541008	541058	2"	Firm	SF 2	30,000
	541009	541059	3"	Soft	SS 3	12,000
	541010	541060	3"	Medium	SM 3	20,000
	541011	541061	3"	Firm	SF 3	20,000
TR	546006	546056	2"	Soft	LS 2	20,000
	546007	546057	2"	Medium	LM 2	25,000
	546008	546058	2"	Firm	LF 2	30,000
	546009	546059	3"	Soft	LS 3	12,000
	546010	546060	3"	Medium	LM 3	20,000
	546011	546061	3"	Firm	LF 3	20,000

All TS and TR holder pads have 1/4-20 female thread.

FLAP DISCS

Standard Abrasives™ Flap Discs

Best for aggressive stock removal on a variety of welds, coatings and other metal fabrication applications. The overlapping coated abrasive cloth flaps on Flap Discs provide several layers of abrasives, making the disc very durable. Because it is mounted on a firm phenolic plate, there is a cushion effect when blending. Available in Ceramic Oxide, Zirconia GP and Zirconia HP. See page 5 for grain descriptions.

- Aggressive stock removal on a variety of metal fabrication applications
- Ideal for grinding, blending, and high stock removal on corners and flats
- Removes cutting torch slag from steel plates



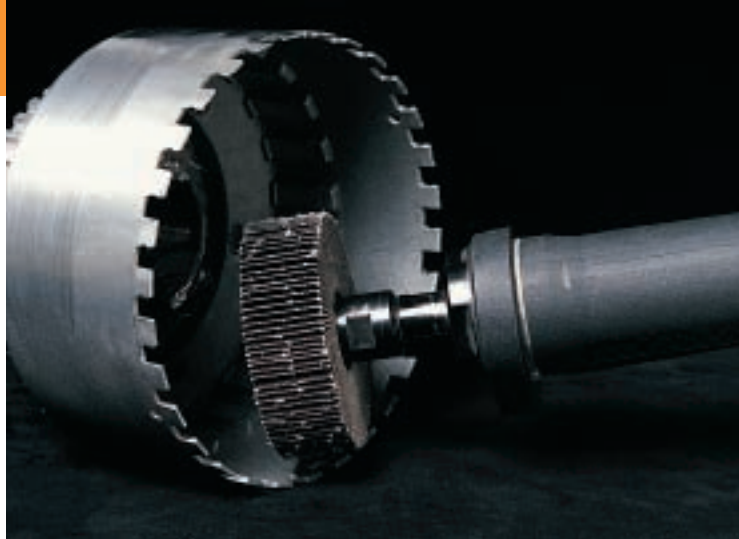
	CERAMIC OXIDE Plain Center Hole Type 27		ZIRCONIA GP Type 27				ZIRCONIA GP Type 29 (6° Taper)				ZIRCONIA HP TYPE 27		
	4 1/2" x 7/8"	7" x 7/8"	4 1/2" x 7/8"	4 1/2" x 5/8-11	7" x 7/8"	7" x 5/8-11	4 1/2" x 7/8"	4 1/2" x 5/8-11	7" x 7/8"	7" x 5/8-11	4 1/2" x 7/8"	4 1/2" x 5/8-11	7" x 7/8"
GRADE	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
36	645023	645223	645922	645932	645982	645992	645902	645912	645962	645972	645927	645937	645987
40	—	—	645923	645933	645983	645993	645903	645913	645963	645973	645928	645938	645988
50	645025	645225	—	—	—	—	—	—	—	—	—	—	—
60	645026	645226	645924	645934	645984	645994	645904	645914	645964	645974	645929	645939	645989
80	645027	645227	645925	645935	645985	645995	645905	645915	645965	645975	645930	945940	645990
120	—	—	645926	645936	645986	645996	645906	645916	645966	645976	—	—	—
M.O.S.	13,300	8,600	13,300	13,300	8,600	8,600	13,300	13,300	8,600	8,600	13,300	13,300	8,600
Min. Pkg.	10	5	10	10	5	5	10	10	5	5	10	10	5
Case Qty.	10	5	10	10	5	5	10	10	5	5	10	10	5

	ZIRC. HP Continued Type 27	ZIRCONIA HP Type 29 (6° Taper)				ZIRCONIA HP GIANT Type 27				ZIRCONIA HP GIANT Type 29 (6° Taper)			
	7" x 5/8-11	4 1/2" x 7/8"	4 1/2" x 5/8-11	7" x 7/8"	7" x 5/8-11	4 1/2" x 7/8"	4 1/2" x 5/8-11	7" x 7/8"	7" x 5/8-11	4 1/2" x 7/8"	4 1/2" x 5/8-11	7" x 7/8"	7" x 5/8-11
GRADE	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
36	645997	645907	645917	645967	645977	645947	645957	645867	645877	645887	645897	645707	645717
40	645998	645908	645918	645968	645978	645948	645958	645868	645878	645888	645898	645708	645718
60	645999	645909	645919	645969	645979	645949	645959	645869	645879	645889	645899	645709	645719
80	645000	645910	645920	645970	645980	645950	645960	645870	645880	645890	645900	645710	645720
M.O.S.	8,600	13,300	13,300	8,600	8,600	13,300	13,300	8,600	8,600	13,300	13,300	8,600	8,600
Min. Pkg.	5	10	10	5	5	10	10	5	5	10	10	5	5
Case Qty.	5	10	10	5	5	10	10	5	5	10	10	5	5

Sizes 4" x 3/8-24 and 4" x 5/8" are available upon request. Also available in Surface Conditioning material. See page 35.

Standard Abrasives™ Flap Wheels

Best for applications requiring high stock removal and aggressive blending, finishing and cleaning. Leaves straight line finish and provides maximum stability and smaller contact areas on work surface.



- Deburr edges
- Blend, finish and clean inside and outside diameters of ferrous and non-ferrous materials
- Remove flash and parting lines
- Permanently affixed 1/4" or 1/4-20 threaded steel shank on small wheels makes changing wheels faster; mandrel runs through wheel reducing chatter and operator fatigue
- Larger wheels contain more flaps per wheel for faster cutting, increased productivity and longer life

Small Flap Wheels

	1" x 1/2"		1" x 1"		1 1/2" x 1/2"		1 1/2" x 1"		2" x 1/2"		2" x 3/4"	
GRADE	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.
60	611105	621105	611405	621405	612105	622105	612405	622405	613105	623105	613305	—
80	611106	621106	611406	621406	612106	622106	612406	622406	613106	623106	613306	—
120	611108	621108	611408	621408	612108	622108	612408	622408	613108	623108	613308	623308
Max. R.P.M.	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	23,000	23,000	23,000	23,000
	2" x 1"		2 1/2" x 1/2"		2 1/2" x 1"		3" x 1/2"		3" x 3/4"		3" x 1"	
GRADE	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.
60	613445	623405	614105	624105	614445	624405	615105	625105	615305	—	615445	625405
80	613446	623406	614106	624106	614446	624406	615106	625106	615306	—	615446	625406
120	613448	623408	614108	624108	614448	624408	615108	625108	—	—	615448	625408
Max. R.P.M.	23,000	23,000	23,000	23,000	23,000	23,000	20,000	20,000	20,000	20,000	20,000	20,000
Min. Pkg.	10	10	10	10	10	10	10	10	10	10	10	10
Case Qty.	100	100	100	100	100	100	100	100	100	100	100	100

ADAPTER: 1/4-20 female adapter. (Converts 1/4-20 threaded shank to straight 1/4" shank.) Part No. 600000. Also available are several sizes of female threaded, spindle-mounting adapters

Large Flap Wheels

REDUCER BUSHINGS		ADAPTERS – FLAP WHEELS	
PART NO.	SIZE	PART NO.	SIZE
600050	1" O.D. x 3/8" I.D.	600055	1/4" male (for 3 1/2"-5" wheels)
600051	1" O.D. x 1/2" I.D.	600056	3/8" male (for 3 1/2"-8" wheels)
600052	1" O.D. x 5/8" I.D.	600057	5/8-11 female (for 3 1/2"-8" wheels)
600053	1" O.D. x 3/4" I.D.	600000	TAZ 1/4-20F

	3 1/2" x 1" x 5/8"	3 1/2" x 1 1/2" x 5/8"	4" x 1" x 5/8"	4" x 2" x 5/8"	6" x 1" x 1"	6" x 1 1/2" x 1"	6" x 2" x 1"	8" x 1" x 1"	8" x 2" x 1"
GRADE	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
40	—	—	—	—	661403	661503	661603	—	—
50	—	—	—	—	—	661504	661604	—	—
60	635405	635505	640405	640605	661405	661505	661605	681405	681605
80	635406	—	640406	640606	661406	661506	661606	681406	681606
100	—	—	—	—	661407	—	—	—	—
120	635408	—	640408	—	661408	661508	661608	681408	681608
Max. R.P.M.	12,000	12,000	12,000	12,000	6,200	6,200	6,200	4,700	4,700
Min. Pkg.	1	1	1	1	1	1	1	1	1
Case Qty.	10	10	10	10	5	5	5	5	3

Standard Abrasives™ Flexible Flap Wheels

Flexible style flap wheels provide excellent surface finishes and are designed to reduce dust. Achieve maximum benefits of conformability and finishing rate. Best used for finishing flat surfaces and deburring and cleaning I.D.s and contoured surfaces.



- Flexible material easily conforms to work surface
- Dust-reducing design can result in a cleaner work environment
- Deburr edges; remove flash and parting lines
- Permanently affixed 1/4" or 1/4-20 threaded steel shank on small wheels makes changing wheels faster; mandrel runs through wheel reducing chatter and operator fatigue
- Larger wheels contain more flaps per wheel for faster cutting, increased productivity and longer life

Small Flexible Flap Wheels

	1" x 1"		1 1/2" x 1/2"		1 1/2" x 1"		2" x 1/2"		2" x 3/4"	
GRADE	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.
60	611425	621425	612125	622125	612425	622425	613125	623125	—	—
80	611426	621426	612126	622126	612426	622426	613126	—	613326	—
120	611428	621428	612128	622128	612428	622428	613128	623128	613328	—
Max. R.P.M.	30,000	30,000	30,000	30,000	30,000	30,000	23,000	23,000	23,000	23,000
	2" x 1"		2 1/2" x 1/2"		2 1/2" x 1"		3" x 1/2"		3" x 1"	
GRADE	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.	1/4" SHANK PART NO.	1/4-20 SHANK PART NO.
60	613425	623425	614125	624125	614425	624425	615125	625125	615425	625425
80	613426	623426	614126	624126	614426	624426	615126	625126	615426	625426
120	613428	623428	614128	—	614428	—	615128	625128	615428	625428
Max. R.P.M.	23,000	23,000	23,000	23,000	23,000	23,000	20,000	20,000	20,000	20,000
Min. Pkg.	10	10	10	10	10	10	10	10	10	10
Case Qty.	100	100	100	100	100	100	100	100	100	100

ADAPTER: 1/4-20 female adapter. (Converts 1/4-20 threaded shank to straight 1/4" shank.) Part No. 600000. Also available are several sizes of female threaded, spindle-mounting adapters

Large Flexible Flap Wheels

REDUCER BUSHINGS		ADAPTERS – FLAP WHEELS	
PART NO.	SIZE	PART NO.	SIZE
600050	1" O.D. x 3/8" I.D.	600055	1/4" male (for 3 1/2"-5" wheels)
600051	1" O.D. x 1/2" I.D.	600056	3/8" male (for 3 1/2"-8" wheels)
600052	1" O.D. x 5/8" I.D.	600057	5/8-11 female (for 3 1/2"-8" wheels)
600053	1" O.D. x 3/4" I.D.	600000	TAZ 1/4-20F

	3 1/2" x 1" x 5/8"	4" x 1" x 5/8"	4" x 2" x 5/8"	6" x 1" x 1"	6" x 1 1/2" x 1"	6" x 2" x 1"	8" x 1" x 1"	8" x 2" x 1"
GRADE	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
40	—	—	—	661423	—	661623	—	—
50	—	—	—	—	661524	661624	—	—
60	635425	640425	640625	661425	661525	661625	681425	681625
80	635426	640426	—	661426	661526	661626	681426	681626
100	—	—	—	—	—	—	—	—
120	—	640428	—	661428	—	—	681428	—
Max. R.P.M.	12,000	12,000	12,000	6,200	6,200	6,200	4,700	4,700
Min. Pkg.	1	1	1	1	1	1	1	1
Case Qty.	10	10	10	5	5	5	5	3

Standard Abrasives™ PSA Discs

Best disc for lighter duty blending, finishing and polishing on contoured surfaces of ferrous and non-ferrous materials. Made with Aluminum Oxide grain.

PSA Aluminum Oxide Discs

- Special pressure-sensitive adhesive leaves less adhesive residue
- Easy attachment/removal
- Flexible material is perfect for contoured applications



	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	5"
GRADE	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
24	—	—	—	—	—	—	—	—
36	701648	701719	700916	701687	712974	711954	702484	701412 *
40	712330	712410	711580	712376	710598	709583	—	712123
50	706431	706503	705718	706475	704748	703717	—	706242
60	700548	700627	712909	700595	711880	710857	701351	700346
80	701868	701935	701122	701909	700153	712192	702701	701657
100	708331	709023	705215	705286	700209	712776	712248	707246
120	709607	710322	706487	706538	701476	700980	700472	708503
180	700431	701137	710336	710397	705360	704863	704341	712374
240	704306	705003	701149	701193	709160	708677	708186	703197
320	709407	710129	706294	706344	701263	700778	—	708297
400	—	—	—	—	—	—	—	722624
Min. Pkg.	100	100	100	100	100	100	50	50
Case Qty.	1000	1000	1000	1000	1000	1000	500	500
	6"	8"	9"	10"	12"	16"	20"	24"
GRADE	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
24	—	722173	—	—	703834	713157	700829	705847
36	704948	713907	713983	713377	709823	713255	706830	711833
40	702639	713067	714364	—	707505	713566	704474	709469
50	709739	713313	713225	713076	701616	713155	711613	703612
60	703857	713066	713088	713079	708751	713312	705752	710752
80	705169	713062	713059	713987	710056	713158	707045	712059
100	706739	713511	713152	714384	712597	—	712621	—
120	708027	713063	714855	714680	700811	715984	700841	723106
180	711853	714863	—	—	704680	—	719648	—
240	702743	716087	—	—	708512	—	722775	—
320	707820	—	—	—	700598	—	—	—
Min. Pkg.	50	10	10	10	10	10	10	10
Case Qty.	500	50	50	10	10	10	10	10

*5" PSA Disc, 36 Grit : Min. Pkg. 25; Case Qty. 250.

PSA Discs are available up to 40". Also available in Zirconia Pro. Call for delivery and minimums.

The maximum allowable RPM for PSA Discs is the same as the maximum RPM of the holder pad used to drive the discs, provided the holder pad and the disc are the same nominal diameter.

PSA DISCS – continued

Holder Pads for PSA Discs

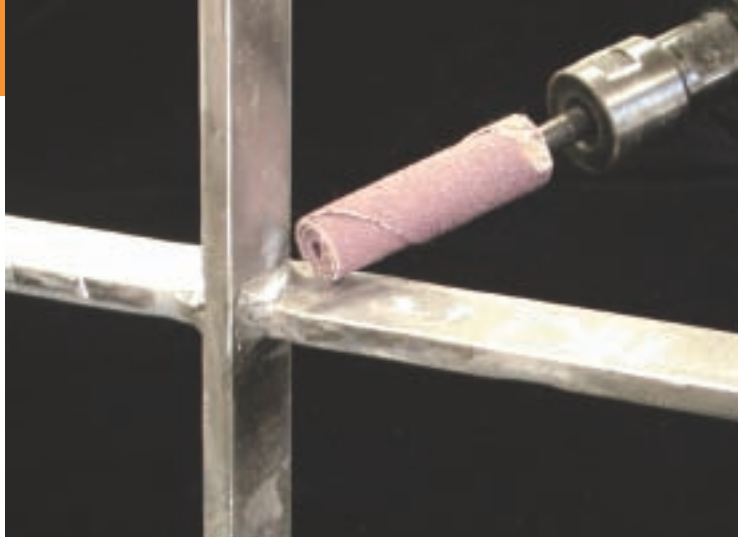
- Lightweight, flex-tested pad reduces operator fatigue and wear on air tools
- Fast, smooth handling at high-rated RPMs
- Perfect for contour applications



	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	5"
SHANK DIA.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
1/8"	720004	720005	720015	—	—	—	—	—
1/4"	719994	719993	719995	719996	719997	719998	719999	720000
Max. R.P.M.	18,000	18,000	15,000	15,000	12,000	10,000	7,000	5,000

Standard Abrasives™ Cartridge Rolls

Available in Ceramic Oxide, Zirconia Alumina and Aluminum Oxide, Standard Abrasives Cartridge Rolls are ideal for fast cutting on irregular contours and other hard-to-reach areas on all ferrous materials.



- Multi-layer, multi-wear design exposes new abrasive cutting points throughout the life of the roll
- Long lasting
- Flash removal
- Polishing
- Removing machine tool marks
- Edge breaking

Ceramic Oxide Cartridge Rolls

SIZE*	PART NO.	GRIT	SHAPE	CASE QTY.
1/4" x 1 1/2" x 1/8"	730076	60	Straight	1000
	730077	80	Straight	1000
	730078	120	Straight	1000
3/8" x 1 1/2" x 1/8"	730082	60	Straight	1000
	730083	80	Straight	1000
	730084	120	Straight	1000
1/2" x 1 1/2" x 1/8"	730088	60	Straight	1000
	730089	80	Straight	1000
	730090	120	Straight	1000
1/2" x 1 1/2" x 1/8"	730099	60	Full Taper	1000
	730101	80	Full Taper	1000
	730102	120	Full Taper	1000

*SIZE: Diameter x Length x Arbor Hole Diameter.

Additional sizes available. Call for delivery and minimums.

Zirconia Alumina Cartridge Rolls

SIZE*	PART NO.	GRIT	SHAPE	CASE QTY.
1/4" x 1 1/2" x 1/8"	727338	60	Straight	1000
	727339	80	Straight	1000
	727349	120	Straight	1000
3/8" x 1 1/2" x 1/8"	727340	60	Straight	1000
	727341	80	Straight	1000
	727347	120	Straight	1000
3/8" x 1 1/2" x 1/8"	727335	60	Full Taper	1000
	727336	80	Full Taper	1000
	727344	120	Full Taper	1000
1/2" x 1 1/2" x 1/8"	727342	60	Straight	1000
	727343	80	Straight	1000
	727348	120	Straight	1000
1/2" x 1 1/2" x 1/8"	727332	60	Full Taper	1000
	727337	80	Full Taper	1000
	727345	120	Full Taper	1000

*SIZE: Diameter x Length x Arbor Hole Diameter.

Additional sizes available. Call for delivery and minimums.

SIZE*	PART NO.	GRIT	SHAPE	CASE QTY.
3/16" x 1" x 3/32"	702193	80	Straight	1000
	703778	100	Straight	1000
	705090	120	Straight	1000
	700467	150	Straight	1000
	708907	180	Straight	1000
	712812	240	Straight	1000
1/4" x 3/4" x 1/8"	701566	120	Straight	1000
1/4" x 1" x 1/8"	710335	60	Straight	1000
	711599	80	Straight	1000
	706317	100	Straight	1000
	707620	120	Straight	1000
	711444	180	Straight	1000
	702309	240	Straight	1000
1/4" x 1 1/2" x 1/8"	707434	320	Straight	1000
	704406	60	Straight	1000
	705686	80	Straight	1000
	708617	100	Straight	1000
	709907	120	Straight	1000
	705344	150	Straight	1000
	700718	180	Straight	1000
	704582	240	Straight	1000
1/4" x 2" x 1/8"	709700	320	Straight	1000
	713447	400	Straight	1000
	712625	80	Straight	1000
	711042	100	Straight	1000
5/16" x 1" x 1/8"	712354	120	Straight	1000
	721716	180	Straight	1000
	701015	60	Straight	1000
5/16" x 1 1/2" x 1/8"	702345	80	Straight	1000
	702181	120	Straight	1000
	704551	60	Straight	1000
3/8" x 1" x 1/8"	705819	80	Straight	1000
	713420	100	Straight	1000
	701758	120	Straight	1000
	706543	50	Straight	1000
	705196	60	Straight	1000
	706454	80	Straight	1000
3/8" x 1 1/2" x 1/8"	701913	100	Straight	1000
	703199	120	Straight	1000
	707034	180	Straight	1000
	710855	240	Straight	1000
	702513	40	Straight	1000
	709600	50	Straight	1000
3/8" x 2" x 1/8"	703732	60	Straight	1000
	705036	80	Straight	1000
	706044	100	Straight	1000
	707336	120	Straight	1000
	702795	150	Straight	1000
	711147	180	Straight	1000
	702004	240	Straight	1000
	714871	400	Straight	1000
	713226	60	Straight	1000
	713402	80	Straight	1000
1/2" x 1" x 1/8"	713227	100	Straight	1000
	713459	120	Straight	1000
	720055	400	Straight	1000
	712211	50	Straight	1000
1/2" x 1 1/2" x 1/8"	706313	60	Straight	1000
	707617	80	Straight	1000
	710189	100	Straight	1000
	711471	120	Straight	1000
	710652	240	Straight	1000

SIZE*	PART NO.	GRIT	SHAPE	CASE QTY.
1/2" x 1 1/2" x 1/8"	710267	36	Straight	1000
	707947	40	Straight	1000
	702091	50	Straight	1000
	709187	60	Straight	1000
	710479	80	Straight	1000
	708530	100	Straight	1000
	709813	120	Straight	1000
	700624	180	Straight	1000
	704494	240	Straight	1000
	709601	320	Straight	1000
1/2" x 2" x 1/8"	707308	60	Straight	500
	708564	80	Straight	500
	706401	100	Straight	500
	707712	120	Straight	500
	719764	400	Straight	500
1/2" x 2" x 3/16"	713369	60	Straight	500
	713139	80	Straight	500
	715219	100	Straight	500
1/2" x 2" x 1/4"	722753	40	Straight	500
5/8" x 1" x 3/16"	713333	80	Straight	500
5/8" x 1 1/2" x 1/8"	714175	80	Straight	500
5/8" x 1 1/2" x 3/16"	713308	60	Straight	500
	714569	80	Straight	500
5/8" x 2" x 3/16"	717639	50	Straight	500
	715081	60	Straight	500
	714719	80	Straight	500
5/8" x 2 1/2" x 1/4"	716185	80	Straight	250
3/4" x 1" x 3/16"	705581	40	Straight	500
	708151	80	Straight	500
3/4" x 1" x 1/8"	713656	80	Straight	500
3/4" x 1 1/2" x 1/8"	714235	60	Straight	500
	713444	80	Straight	500
3/4" x 1 1/2" x 3/16"	712666	36	Straight	1000
	703078	60	Straight	1000
	704345	80	Straight	1000
	707988	120	Straight	1000
3/4" x 1 1/2" x 1/4"	713317	60	Straight	500
	713081	80	Straight	500
	713077	120	Straight	500
3/4" x 2" x 1/8"	713679	100	Straight	250
3/4" x 2" x 3/16"	710302	40	Straight	250
	711570	60	Straight	250
	712902	80	Straight	250
	710358	100	Straight	250
	711626	120	Straight	250
	713057	60	Straight	250
3/4" x 2" x 1/4"	713072	80	Straight	250
	713688	100	Straight	250
	713073	120	Straight	250
	701629	60	Straight	250
1" x 1 1/2" x 1/4"	702954	80	Straight	250
	707212	60	Straight	250
1" x 2" x 1/4"	708462	80	Straight	250
	708462	80	Straight	250

*SIZE: Diameter x Length x Arbor Hole Diameter.

Additional straight, full tapered, half tapered and sidewall rolls are available. Call for delivery and minimums.

Aluminum Oxide Cartridge Rolls, Full Taper

SIZE*	PART NO.	GRIT	SHAPE	CASE QTY.
3/8" x 1" x 1/8"	707096	60	Full Taper	1000
	708357	80	Full Taper	1000
	702229	120	Full Taper	1000
	706036	180	Full Taper	1000
3/8" x 1 1/2" x 1/8"	710094	50	Full Taper	1000
	704214	60	Full Taper	1000
	705509	80	Full Taper	1000
	706968	120	Full Taper	1000
3/8" x 2" x 1/8"	720871	60	Full Taper	1000
1/2" x 1" x 1/8"	712772	60	Full Taper	1000
	700973	80	Full Taper	1000
	710469	120	Full Taper	1000
	701277	180	Full Taper	1000
1/2" x 1 1/2" x 1/8"	710725	36	Full Taper	1000
	702565	50	Full Taper	1000
	709653	60	Full Taper	1000
	710928	80	Full Taper	1000
	712731	100	Full Taper	1000
	700939	120	Full Taper	1000
	704817	180	Full Taper	1000

SIZE*	PART NO.	GRIT	SHAPE	CASE QTY.
1/2" x 2" x 1/8"	700667	60	Full Taper	1000
	701974	80	Full Taper	1000
	702233	120	Full Taper	1000
5/8" x 1" x 3/16"	711224	80	Full Taper	500
5/8" x 2" x 1/4"	706950	100	Full Taper	500
3/4" x 1 1/2" x 3/16"	708572	50	Full Taper	500
	702768	60	Full Taper	500
	703989	80	Full Taper	500
3/4" x 1 1/2" x 1/8"	710580	80	Full Taper	500
3/4" x 2" x 3/16"	706105	60	Full Taper	250

*SIZE: Diameter x Length x Arbor Hole Diameter.

Additional straight, full tapered, half tapered and sidewall rolls are available.

Call for delivery and minimums.

Mandrels for Cartridge Roll



For safety considerations, Standard Abrasives recommends that the mandrel pilot length used to drive a cartridge roll should measure at least 1/2" less than the overall length of the cartridge roll. Example: If a cartridge roll measures 2" in overall length, the corresponding mandrel should have a pilot length of no less than 1 1/2".

- Plated steel with a shank diameter to fit a variety of power tool chucks or collets
- Fits all Standard Abrasives™ Straight, Full Tapered, Half Tapered and Sidewall Cartridge Rolls

PILOT DIAMETER	PART NO.	DESCRIPTION	PILOT LENGTH	SHANK DIAMETER	SHANK LENGTH	OVERALL LENGTH
3/32"	713638	CM-2B	3/4"	1/8"	1"	2 3/4"
	713287	CM-2C	1"	1/8"	1"	3"
	717078	CM-2E	3/4"	1/4"	1"	2 3/4"
	714740	CM-2F	1"	1/4"	1 1/4"	3"
1/8"	710893	CM-3	1/2"	1/8"	1"	2 1/2"
	700743	CM-4	3/4"	1/8"	1"	2 3/4"
	710213	CM-5	1"	1/8"	1"	3"
	708897	CM-6	1 1/2"	1/8"	1"	3 1/2"
	710870	CM-7	1/2"	1/4"	1 1/4"	2 1/4"
	700717	CM-8	3/4"	1/4"	1 1/4"	2 1/2"
	710190	CM-9	1"	1/4"	1 1/4"	2 3/4"
	708875	CM-10	1 1/2"	1/4"	1 1/4"	3 1/4"
3/16"	712230	CM-11	2"	1/4"	1 1/4"	4"
	704491	CM-15	3/4"	1/4"	1 1/4"	2 1/2"
	712689	CM-16	1"	1/4"	1 1/4"	3"
	702296	CM-17	1 1/2"	1/4"	1 1/4"	3 3/8"
1/4"	701656	CM-18	2"	1/4"	1 1/4"	4"
	701111	CM-20	3/4"	1/4"	1 1/4"	2 3/4"
	712584	CM-21	1"	1/4"	1 1/4"	3"
	706874	CM-22	1 1/2"	1/4"	1 1/4"	3 1/2"
	701529	CM-23	2"	1/4"	1 1/4"	4"

Special sizes also available. Call for delivery and minimums.

Standard Abrasives™ Precision Cartridge Rolls

Precision Cartridge Rolls (formerly Kay Rolls) run smoother and last longer than conventional Cartridge Rolls. The solid inner core bonds and supports the inner wrap of the roll, with self-trimming capability when in contact with the work piece. The secure bond of the total abrasive wrap to the drive stem eliminates loosening and vibration. Precision Cartridge Rolls are used when high tolerance and precision grinding is required.



Straight Model C

SIZE*	DESCR.	40 GRIT	60 GRIT	80 GRIT	100 GRIT	120 GRIT	180 GRIT
1/2" x 2 1/2" x 1/4"	C1	—	—	726016	726022	726026	726027
5/8" x 2 1/2" x 1/4"	C2	—	726070	726060	726051	726072	726037
13/16" x 2 1/2" x 1/4"	C3	726018	726012	726007	726021	726024	726028
1" x 2 1/2" x 1/4"	C4	726036	726000	726004	726005	726023	—

All rolls include 1/4" drive stem.

Selected rolls are available with an extended 4" shaft. Call for delivery and minimums.

- Fast cutting on irregular contours and hard-to-reach areas
- Flash removal, blending, deburring
- Edge breaking on all ferrous materials
- "C" model has an affixed stem that protrudes only about 5/8" into the core and used on larger tools
- "R" model has a rear mounted stem, making the entire roll usable, increasing productivity and reducing down time

Straight Model R

SIZE*	DESCR.	40 GRIT	60 GRIT	80 GRIT	100 GRIT	120 GRIT	180 GRIT	320 GRIT
1/4" x 1 1/4" x 1/8"	R4	—	—	726020	726029	726034	726045	726019
3/8" x 1 3/4" x 1/4"	R6	—	726010	726003	726002	726015	726031	—
1/2" x 1 3/4" x 1/4"	R8	726032	726025	726006	726001	726011	726017	—

All rolls include 1/4" drive stem.

Selected rolls are available with an extended 4" shaft. Call for delivery and minimums.

Full Tapered* Model R

SIZE*	DESCR.	60 GRIT	80 GRIT	100 GRIT	120 GRIT	180 GRIT	320 GRIT
3/8" x 1 3/4" x 1/4"	R6	726057	726059	—	726096	726050	726105
1/2" x 1 3/4" x 1/4"	R8	726049	726061	726098	726062	726101	—

*Model R also available in half taper. Please specify when ordering

Straight Zirconia Alumina

SIZE*	DESCR.	40 GRIT	60 GRIT	80 GRIT
3/8" x 1 3/4" x 1/4"	ZR6	—	726089	726065 *
1/2" x 1 3/4" x 1/4"	ZR8	—	726106	726066 *
1/2" x 2 1/2" x 1/4"	ZC1	—	—	726053
5/8" x 2 1/2" x 1/4"	ZC2	—	726091	—
13/16" x 2 1/2" x 1/4"	ZC3	726054	726055	—
1" x 2 1/2" x 1/4"	ZC4	—	726008	726009

*Also available in full or half tapered.

All rolls include 1/4" drive stem.

Selected rolls are available with an extended 4" shaft. Call for delivery and minimums.



Precision Cartridge Rolls Variety Sample Kit

PART NO. 726044

Contains an assortment of 7 popular Precision Cartridge Rolls, with different diameters, lengths and grits.

Standard Abrasives™ Spiral Bands

Best product for polishing and blending contours when smooth running is a primary concern. Use for finishing hard-to-reach areas, removing parting lines, imperfections, and burrs on all surfaces. Made with Aluminum Oxide material.



- No tools required for changes
- Single ply of coated abrasive, made in close tolerance to fit properly on rubber drum prevents skipping and bumping

INSIDE DIA.	LENGTH	24 GRIT	36 GRIT	40 GRIT	50 GRIT	60 GRIT	80 GRIT	100 GRIT	120 GRIT	150 GRIT	180 GRIT	240 GRIT	320 GRIT
1/2"	1/2"	—	701613	712294	706393	700518	701834	708449	709742	—	700546	—	709537
	1"	—	710759	708410	702591	709697	710961	712558	700770	—	704625	708460	—
	1 1/2"	—	711388	709016	703187	710318	711588	—	707966	—	—	—	—
3/4"	1/2"	—	—	—	—	702019	—	701028	702351	—	706181	710026	702161
	3/4"	—	703148	700775	—	702107	703368	701744	703042	—	—	710703	702886
	1"	—	705771	703465	710579	704731	705998	706657	707959	—	—	—	707757
	1 1/2"	—	702255	712924	—	701134	702489	—	—	—	—	—	—
1"	1"	709329	702341	713007	707115	701217	702568	710966	712287	727470	703115	706947	712085
	1 1/2"	—	713619	—	—	713690	713078	—	714542	—	—	—	—
	2"	—	714397	—	—	714481	713146	—	—	—	716480	—	—
1 1/2"	1"	—	702672	700271	707456	701546	702898	—	706899	—	—	—	—
	1 1/2"	—	704624	702314	709412	703579	704869	704644	705926	—	709762	—	—
2"	1"	—	709849	707533	—	708770	710081	—	704607	722728	—	722600	—
	1 1/2"	—	—	—	711507	705651	706935	—	712315	—	—	—	—
	2"	—	713438	713069	714954	713290	713091	—	713641	—	—	—	—
Min. Pkg.		100	100	100	100	100	100	100	100	100	100	100	100
Case Qty.		100	100	100	100	100	100	100	100	100	100	100	100
3"	3"	714488	713556	—	—	—	713455	—	—	—	—	—	—
Min. Pkg.		50	50	—	50	—	50	—	50	—	50	—	50
Case Qty.		50	50	—	50	—	50	—	50	—	50	—	50

Additional Spiral Band sizes are available. Also available in Silicon Carbide. Most sizes and grits are made to order. Call for delivery and minimums.

The maximum allowable RPM for Spiral Bands is the same as the maximum RPM of the rubber sanding drum used to drive the bands, provided the drum and the band are the same nominal diameter.

Rubber Drums for Spiral Bands

DIA.	FACE	SHANK	MAX. R.P.M.	PART NO.
1/2"	1/2"	1/8"	30,000	711456
1/2"	1/2"	1/4"	30,000	711429
1/2"	3/4"	1/4"	25,000	701248
1/2"	1"	1/4"	15,000	703077
1/2"	1 1/2"	1/4"	12,000	705354
3/4"	1/2"	1/8"	20,000	713388
3/4"	1/2"	1/4"	27,000	710243
3/4"	3/4"	1/4"	24,000	700085
3/4"	1"	1/4"	19,000	713653
3/4"	1 1/2"	1/4"	10,000	706040
3/4"	2"	1/4"	9,000	708200
1"	1/2"	1/4"	20,000	705648
1"	3/4"	1/4"	19,000	708489
1"	1"	1/4"	18,000	702816

DIA.	FACE	SHANK	MAX. R.P.M.	PART NO.
1"	1 1/2"	1/4"	10,000	702562
1"	2"	1/4"	8,000	704780
1"	3"	1/4"	6,000	706778
1 1/4"	1"	1/4"	14,000	703276
1 1/4"	1 1/2"	1/4"	10,000	708446
1 1/2"	1"	1/4"	14,000	704431
1 1/2"	1 1/2"	1/4"	10,000	700927
1 1/2"	2"	1/4"	7,000	706436
2"	1"	1/4"	11,000	708669
2"	1 1/2"	1/4"	8,000	702040
2"	2"	1/4"	6,000	710679
3"	1"	3/8"	7,000	702735
3"	2"	3/8"	4,000	704705
3"	3"	3/8"	3,000	706710



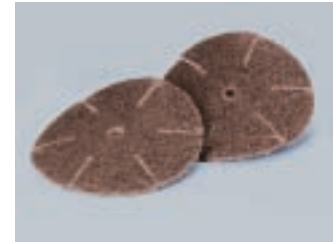
- Fabricated from rubber for controlled expansion and balance at high speeds
- Band locks on non-slip drum

Minimum Packaging for all Sizes: 1

CLOTH DISCS

Slotted Cloth Discs

- Slotted Disc compresses when entering inside diameters, allowing full contact with material
- Normally used in a push application
- Threaded eyelet arbor hole for mounting on a mandrel is available upon request; no tools required for replacement
- Deburring, polishing, cleaning, blending and light chamfering applications
- Effective on all steels, rubber, plastic and composites
- All discs are made to order and available in Aluminum Oxide and Silicon Carbide materials



DIAMETER	PART NO.	GRIT	MIN. PKG.	CASE QTY.
5/8"	724763	180	100	1000
1"	704586	120	100	1000
	724769	180	100	1000
1 1/2"	724768	180	100	1000
2"	710578	180	100	1000
3"	704940	80	100	1000
4"	720553	80	50	500

Specify center hole when placing order.

Overlap Cloth Discs

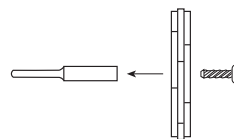
- Two discs per set face opposite direction for push operations
- Four discs per set face opposite direction for push/pull operations
- Multiple discs per set offer a firmer, more aggressive disc
- Threaded eyelet for spin-on, spin-off replacement
- Deburring, polishing, cleaning and blending applications
- Effective on all steels, rubber, plastic and composites
- All discs are made to order and available in Aluminum Oxide and Silicon Carbide materials



DIAMETER	PART NO.	EYELET	DISCS PER SET	GRIT	MIN. PKG.	CASE QTY.
3/4"	713132	3-48	2	80	100	1000
1"	723456	8-32	2	60	100	1000
	713106	8-32	2	80	100	1000
	715803	8-32	2	120	100	1000
	721531	8-32	4	120	100	1000
1 1/4"	714785	8-32	2	80	100	1000
1 1/2"	714844	8-32	2	60	100	1000
	714763	8-32	2	80	100	1000
2"	714721	8-32	2	60	100	1000
	713878	8-32	2	80	100	1000
	713266	8-32	2	100	100	1000
2 1/2"	716084	8-32	4	60	100	1000
3"	727167	8-32	2	80	100	1000
4 1/2"	715362	1/4-20	2	120	100	100

A plain center hole is available if threaded eyelet is not desired.

Mandrels for Plain and Slotted Discs

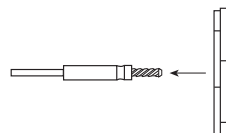


PART NO.	DISC HOLE DESCR.	SHANK SIZE	OVERALL DIA.	LENGTH
713286	DM-7	1/4"	1/4"	2"

Requires 1/4" center hole in disc.

Other Sizes Available. Call for delivery and minimums.

Mandrels for Overlap Cloth Discs



PART NO.	DESCRIPTION	OVERALL LENGTH	SHANK DIA.	THREAD SIZE
703946	TM-2	2 1/2"	1/4"	3-48
700143	TM-3	3"	1/4"	8-32
707605	TM-4	3"	1/4"	1/4-20

Abrasive Square Pads

- Constructed of coated abrasive cloth folded to form a square
- Fast grinding on channels, fillets and corners
- Spotting on flat surfaces
- Cushioned, chatter-free grinding



PART NO.	SIZE	EYELET	GRIT	DESCRIPTION	MIN. PKG.	CASE QTY.
718124	1/4" x 1 1/2"	8-32	80	Aluminum Oxide	100	1000
705209	3/8" x 1 1/2"	8-32	60	Aluminum Oxide	100	1000
717804	3/8" x 2 1/2"	1/4-20	60	Aluminum Oxide	100	100
722813	1/2" x 1"	8-32	80	Aluminum Oxide	100	1000
702421	1/2" x 2"	1/4-20	60	Aluminum Oxide	100	100
703654	1/2" x 2"	1/4-20	80	Aluminum Oxide	100	100
715865	1/2" x 3"	1/4-20	60	Aluminum Oxide	100	100
714792	1/2" x 3"	1/4-20	80	Aluminum Oxide	100	100

Other Sizes Available. Call for delivery and minimums.

All Square Pads are made to order.

Abrasive Cross Pads

- Multi-ply laminated construction produces cushioned, chatter-free grinding
- Flexible and easily conforms to work piece
- Polishing and finishing of bell-mouth pieces
- Finishing of drop forge and Kirksite dies
- Deburring tubing
- Blending radii

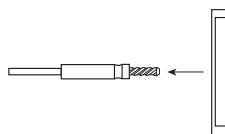


PART NO.	SIZE	PLY	EYELET	GRIT	DESCRIPTION	MIN. PKG.	CASE QTY.
723169	1" x 3/8"	8	8-32	80	Aluminum Oxide	100	1000
724359	1 1/4" x 1/4"	8	3-48	180	Aluminum Oxide	100	1000
719662	1 1/2" x 1/2"	8	8-32	80	Aluminum Oxide	100	1000
713465	1 1/2" x 1/2"	8	8-32	120	Aluminum Oxide	100	1000
723397	2" x 1/2"	8	8-32	80	Aluminum Oxide	100	1000
701598	2" x 1/2"	8	8-32	120	Aluminum Oxide	100	1000
723947	2" x 3/4"	8	8-32	120	Aluminum Oxide	100	1000
723535	2" x 1"	8	8-32	60	Aluminum Oxide	100	1000
715246	2 1/2" x 3/4"	8	1/4-20	80	Aluminum Oxide	50	500
701115	3" x 1"	8	1/4-20	80	Aluminum Oxide	50	500
722379	3" x 1 1/2"	10	1/4-20	80	Aluminum Oxide	50	500
720418	3 1/2" x 1 1/2"	10	1/4-20	80	Aluminum Oxide	25	250
713411	4 1/2" x 1 1/2"	10	1/4-20	80	Aluminum Oxide	100	100
723080	6" x 1 1/2"	8	1/4-20	80	Aluminum Oxide	100	100

Other Sizes Available. Call for delivery and minimums.

All Cross Pads are made to order.

Mandrels for Abrasive Pads



PART NO.	DESCRIPTION	OVERALL LENGTH	SHANK DIA.	THREAD SIZE
703946	TM-2	2 1/2"	1/4"	3-48
700143	TM-3	3"	1/4"	8-32
707605	TM-4	3"	1/4"	1/4-20

- Deburring, cleaning, and polishing metal surfaces by hand
- Used on a turning part or on a split mandrel
- A necessity in machine and maintenance shops
- May be used with water, water-based, and oil-based coolants – eliminates costly degreasing of parts before polishing and deburring
- Maximum flexibility for extreme contour work
- Full resin bond material for wide range of applications and is longer lasting

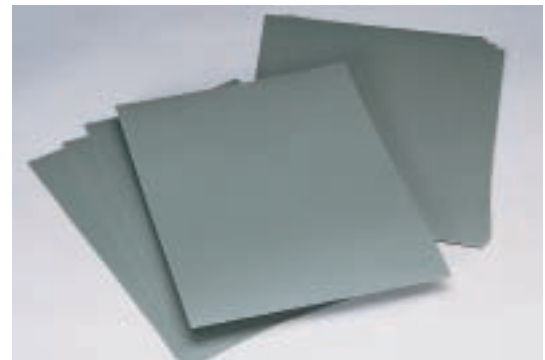


SIZE	50J GRIT	60J GRIT	80J GRIT	100J GRIT	120J GRIT	150J GRIT	180J GRIT	240J GRIT	320J GRIT
1"	704821	711199	706221	704023	713095	715212	713199	713200	713097
1 1/2"	700379	706818	706311	712149	713159	713160	713161	714179	713202
2"	705762	712207	707195	708744	713297	713448	713276	713205	713296
Min. Pkg.	1	1	1	1	1	1	1	1	1
Case Qty.	10	10	10	10	10	10	10	10	10

Sizes not listed are considered Slit Rolls. Call for delivery and minimums.

SHEETS – 9" x 11"

- Deburring, cleaning and polishing metal surfaces by hand.
- Used as a small sheet of abrasive cloth.
- Flexibility for extreme contour work



Cloth – A/O, Glue Bond, Metal Cloth

SIZE	80 GRIT	100 GRIT	120 GRIT	180 GRIT	240 GRIT	320 GRIT	400 GRIT
9" x 11"	713973	714094	713974	713976	714321	713975	713522
Weight	J	J	J	J	J	J	J
Min. Qty.	50	50	50	50	50	50	50

Paper – Silicon Carbide Waterproof

SIZE	80 GRIT	120 GRIT	180 GRIT	220 GRIT	240 GRIT	320 GRIT	400 GRIT	600 GRIT
9" x 11"	713314	715720	721508	713268	714504	713649	713626	713273
Weight	C	C	C	A	A	A	A	A
Min. Qty.	50	50	50	50	50	50	50	50

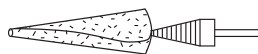
- Tapered for easy accessibility to close areas for more precise grinding
- Finish superior to carbide burs and less expensive
- Used in critical production and maintenance operations
- Blending, polishing, cleaning and deburring
- Used on all metals, composites, fiberglass and plastic



PART NO.	DESCRIPTION	DIAMETER	LENGTH	TAPER	GRIT	GRAIN	MIN. PKG.	CASE QTY.
704858	B-20	5/16"	1 1/2"	5°	100	A/O	100	1000
700773	B-20	5/16"	1 1/2"	5°	240	A/O	100	1000
711436	C-30	3/8"	2"	5°	60	A/O	100	1000
712768	C-30	3/8"	2"	5°	80	A/O	100	1000
710130	C-30	3/8"	2"	5°	120	A/O	100	1000
700613	F-60	5/8"	1 1/2"	18°	120	A/O	100	1000
707415	K-110	3/16"	1"	2 1/2°	80	A/O	100	1000
707508	K-110	3/16"	1"	2 1/2°	100	A/O	100	1000
708756	K-110	3/16"	1"	2 1/2°	120	A/O	100	1000
712644	K-110	3/16"	1"	2 1/2°	180	A/O	100	1000
703470	K-110	3/16"	1"	2 1/2°	240	A/O	100	1000
708559	K-110	3/16"	1"	2 1/2°	320	A/O	100	1000

All diameters available in 60 grit & finer. B-20 & C-30 available in 36 grit & finer. Call for delivery and minimums.

Mandrels for Tapered Cone Points



PART NO.	DESCRIPTION	SHANK DIA.
707861	B-20	1/4"
700293	C-30	1/4"
705750	D-40	1/4"
711209	E-50	1/4"
703660	F-60	1/4"
709106	G-70	1/4"
709675	K-110	1/8"

Standard Abrasives™ Cut-Off Wheels

Standard Abrasives bonded Cut-Off Wheels are used for the toughest tasks including high-speed grinding on metals, precision cutting of metal parts and removing, cutting or otherwise changing the dimension of a work piece. Bonded construction provides durability, high performance and fast cutting.



- Sharp cutting edge produces precise and rapid cutting action
- Popular sizes for variety of off-hand applications
- Aluminum Oxide (A/O) material for simple jobs; use on a variety of materials including stainless steel, mild steel and aluminum
- High Performance Ceramic for tougher jobs; use on a variety of materials including stainless steel and aerospace alloys
- Abrasive grain throughout with fiber reinforcement from the O.D. to the I.D. result in fewer wheel changes and longer life

General Purpose A/O Cut-Off Wheels

PART NO.	SIZE	GRAIN	MAX. R.P.M.	MIN. PKG.	CASE QTY.
646220	3" x 1/32" x 3/8"	Aluminum Oxide	25,000	50	50
646240	3" x 1/16" x 3/8"	Aluminum Oxide	25,000	50	50
646320	4" x 1/32" x 3/8"	Aluminum Oxide	21,000	50	50
646340	4" x 1/16" x 3/8"	Aluminum Oxide	21,000	50	50
646570	6" x .045" x 7/8"	Aluminum Oxide	10,200	50	50

High Performance Ceramic Cut-Off Wheels

PART NO.	SIZE	GRAIN	MAX. R.P.M.	MIN. PKG.	CASE QTY.
646215	3" x 1/32" x 1/4"	Ceramic Oxide	35,000	50	50
646225	3" x 1/32" x 3/8"	Ceramic Oxide	35,000	50	50
646245	3" x 1/16" x 3/8"	Ceramic Oxide	28,000	50	50
646325	4" x 1/32" x 3/8"	Ceramic Oxide	26,250	50	50
646345	4" x 1/16" x 3/8"	Ceramic Oxide	21,000	50	50

Standard Abrasives™ Surface Conditioning Products

Surface Conditioning products (formerly BriteRite™) provide a more compact structure of non-woven fibers than Buff & Blend products. Surface Conditioning products have a woven fabric (scrim) embedded in the nylon structure to provide additional strength and durability for edge work, deburring and efficient blending of all metal types.



Each of the three Standard Abrasives Surface Conditioning materials offers unique benefits for your application.

FE – Most durable with highest edge durability and very flexible. High initial and extended rate of cut. Best material when high contact pressure and stock removal are required. Most efficient on ferrous materials on both flat and contoured surfaces.

GP – Consistent rate of cut. Works especially well on flat surfaces and edges. Most efficient on aluminum and other soft metals. Resists loading.

RC – Highest initial rate of cut. Maintains high cut rate with light pressure. Best material for flat surface finishing. Most efficient on ferrous metals where final finish is important.

	SURFACE CONDITIONING MATERIAL		
	FE	GP	RC
PRODUCT APPLICATIONS			
DEBURR: Remove burrs, weld spatter, die cast flash and parting lines	•	•	•
BLEND: Blend mill marks, tool marks, mismatches, scratch patterns	•	•	•
CLEAN: Remove corrosion, paint, coatings, gaskets, adhesives, scale and rust	•	•	
FINISH: Cosmetic graining, polishing welds, reduce roughness, condition grind lines			•
MATERIALS			
FERROUS	•	•	•
NON-FERROUS	•	•	
ALUMINUM		•	
HIGH NICKEL/CHROME ALLOYS	•		•
STAINLESS STEEL	•		•
COMPOSITES	•	•	
PERFORMANCE			
DURABILITY	BEST	BETTER	GOOD
CONTACT FORCE REQUIRED	HEAVY	MEDIUM	LOW
FINISH	IRREGULAR	MODERATE	CONSISTENT
INITIAL RATE OF CUT	BETTER	GOOD	BEST
STOCK REMOVAL	BEST	GOOD	BETTER
FLEXIBILITY	BEST	BETTER	GOOD
GRADES			
EXTRA COARSE	–	–	DARK BROWN
COARSE (Approximately 60 Grit)	DARK BROWN	BROWN	BROWN
MEDIUM (Approximately 80 - 120 Grit)	DARK MAROON	MAROON	MAROON
VERY FINE (Approximately 180 - 240 Grit)	DARK BLUE	BLUE	BLUE



Quick Change Discs

			RC			FE			GP			REC. R.P.M.	MAX. R.P.M.
SIZE	GRADE	GRAIN	TS PART NO.	TR PART NO.	TP PART NO.	TS PART NO.	TR PART NO.	TP PART NO.	TS PART NO.	TR PART NO.	TP PART NO.		
3/4"	Coarse	A/O	840034	—	—	840031	—	—	840037	—	—	12,000	20,000
	Medium	A/O	840035	—	—	840032	—	—	840038	—	—	12,000	20,000
	Very Fine	A/O	840036	—	—	840033	—	—	840039	—	—	12,000	20,000
1"	Coarse	A/O	840134	840184	—	840131	840181	—	840137	840187	—	12,000	20,000
	Medium	A/O	840135	840185	—	840132	840182	—	840138	840188	—	12,000	20,000
	Very Fine	A/O	840136	840186	—	840133	840183	—	840139	840189	—	12,000	20,000
1 1/2"	Coarse	A/O	840234	840284	—	840231	840281	—	840237	840287	—	12,000	20,000
	Medium	A/O	840235	840285	—	840232	840282	—	840238	840288	840248	12,000	20,000
	Very Fine	A/O	840236	840286	—	840233	840283	—	840239	840289	840249	12,000	20,000
2"	Extra Coarse	A/O	840370	840354	—	—	—	—	—	—	—	12,000	20,000
	Coarse	A/O	840334	840384	840344	840331	840381	840341	840337	840387	840347	12,000	20,000
	Medium	A/O	840335	840385	840345	840332	840382	840342	840339	840388	840348	12,000	20,000
	Very Fine	A/O	840336	840386	840346	840333	840383	840343	840339	840389	840349	12,000	20,000
Min. Pkg.			50	50	50	50	50	50	50	50	50		
Case Qty.			500	500	500	500	500	500	500	500	500		
3"	Extra Coarse	A/O	840470	840454	—	—	—	—	—	—	—	10,000	18,000
	Coarse	A/O	840434	840484	840444	840431	840481	840441	840437	840487	840447	10,000	18,000
	Medium	A/O	840435	840485	840445	840432	840482	840442	840438	840488	840448	10,000	18,000
	Very Fine	A/O	840436	840486	840446	840433	840483	840443	840439	840489	840449	10,000	18,000
Min. Pkg.			25	25	25	25	25	25	25	25	25		
Case Qty.			250	250	250	250	250	250	250	250	250		

Additional sizes are available for Surface Conditioning Discs. Call for delivery and minimums.

TS Quick Change with 5/8-11 Threaded Hub

			RC			FE			GP			REC. R.P.M.	MAX. R.P.M.
SIZE	GRADE	GRAIN	TS PART NO.	TR PART NO.	TP PART NO.	TS PART NO.	TR PART NO.	TP PART NO.	TS PART NO.	TR PART NO.	TP PART NO.		
4 1/2"	Coarse	A/O	843533	—	—	843531	—	—	843537	—	—	3,000	6,000
	Medium	A/O	843535	—	—	843532	—	—	843538	—	—	3,000	6,000
	Very Fine	A/O	843536	—	—	843534	—	—	843539	—	—	3,000	6,000
5"	Coarse	A/O	843733	—	—	843731	—	—	843737	—	—	3,000	6,000
	Medium	A/O	843735	—	—	843732	—	—	843738	—	—	3,000	6,000
	Very Fine	A/O	843736	—	—	843734	—	—	843739	—	—	3,000	6,000
7"	Coarse	A/O	843933	—	—	843931	—	—	843937	—	—	5,000	7,000
	Medium	A/O	—	—	—	843932	—	—	843938	—	—	5,000	7,000
	Very Fine	A/O	—	—	—	843934	—	—	843939	—	—	5,000	7,000
Min. Pkg.			10			10			10				
Case Qty.			100			100			100				

Also available with 5/8" nominal hole. Call for delivery and minimums.

TS Quick Change with Vacuum Holes Discs

- For use on tools equipped with vacuum assist systems for the removal of dust and debris



SIZE	GRADE	GRAIN	HOLES	TS	TR	TP	REC. R.P.M.	MAX. R.P.M.	MIN. PKG.	CASE QTY.
2"	Coarse	A/O	4	840362	–	–	12,000	20,000	50	500
	Medium	A/O	4	840363	–	–	12,000	20,000	50	500
	Very Fine	A/O	4	840364	–	–	12,000	20,000	50	500
3"	Coarse	A/O	6	840462	–	–	10,000	18,000	25	250
	Medium	A/O	6	840463	–	–	10,000	18,000	25	250
	Very Fine	A/O	6	840464	–	–	10,000	18,000	25	250

HOLDER PADS FOR TS VACUUM HOLE DISCS

PART NO.	FOR USE WITH
541054	TS Style 2" Vacuum Hole Discs
541360	TS Style 3" Vacuum Hole Discs

TS Quick Change P.A.R.T. Discs

- For use in the removal of surface contaminants, paint or primer at electrical grounding contact points



DIA.	HOLE	GRADE	GRAIN	DESCR.	TS	TR	TP	REC. R.P.M.	MAX. R.P.M.	MIN. PKG.	CASE QTY.
5/8"	3/32"	Medium	A/O	#30	800072	–	–	6,000	12,000	50	500
	1/8"	Medium	A/O	#21	800069	–	–	6,000	12,000	50	500
	5/32"	Medium	A/O	#10	800068	–	–	6,000	12,000	50	500

MANDRELS FOR P.A.R.T. DISCS

PART NO.	DESCRIPTION	PIN DIA.	PIN LENGTH	SHANK DIA.	SHANK LENGTH	OVERALL LENGTH
541150	#10 Mandrel	3/16"	5/8"	1/4"	1 1/2"	3"
541151	#21 Mandrel	5/32"	5/8"	1/4"	1 1/2"	3"
541152	#30 Mandrel	1/8"	5/8"	1/4"	1 1/2"	3"
WITHOUT SHANK*						
541153	#10 Mandrel	3/16"	5/8"	–	–	–
541154	#21 Mandrel	5/32"	5/8"	–	–	–
541155	#30 Mandrel	1/8"	5/8"	–	–	–

*Not stock items.

Hook & Loop Style Discs

DIA.	GRADE	GRAIN	RC	FE	GP	REC. R.P.M.	MAX. R.P.M.	MIN. PKG.	CASE QTY.
2"	Coarse	A/O	842334	842331	842337	6,000	8,000	50	500
	Medium	A/O	842335	842332	842338	6,000	8,000	50	500
	Very Fine	A/O	842336	842333	842339	6,000	8,000	50	500
3"	Coarse	A/O	842434	842431	842437	6,000	8,000	25	250
	Medium	A/O	842435	842432	842438	6,000	8,000	25	250
	Very Fine	A/O	842436	842433	842439	6,000	8,000	25	250
4"	Coarse	A/O	845413	845411	845517	6,000	8,000	10	100
	Medium	A/O	845415	845412	845518	6,000	8,000	10	100
	Very Fine	A/O	845416	845414	845519	6,000	8,000	10	100
4 1/2"	Extra Coarse	A/O	845045	–	–	6,000	8,000	10	100
	Coarse	A/O	845513	845511	845417	6,000	8,000	10	100
	Medium	A/O	845515	845512	845418	6,000	8,000	10	100
	Very Fine	A/O	845516	845514	845419	6,000	8,000	10	100
5"	Extra Coarse	A/O	845050	–	–	5,000	7,000	10	100
	Coarse	A/O	845613	845611	845617	5,000	7,000	10	100
	Medium	A/O	845615	845612	845618	5,000	7,000	10	100
	Very Fine	A/O	845616	845614	845619	5,000	7,000	10	100
7"	Extra Coarse	A/O	845070	–	–	3,000	6,000	10	100
	Coarse	A/O	845813	845811	845817	3,000	6,000	10	100
	Medium	A/O	845815	845812	845818	3,000	6,000	10	100
	Very Fine	A/O	845816	845814	845819	3,000	6,000	10	100

Additional sizes are available for Surface Conditioning Discs. 4 1/2", 5" and 7" also available with 5/8" nominal hole. Call for delivery and minimums.

Holder Pads for Quick Change Discs

- Firm face style has molded phenolic face for improved and snag-free grinding
- Easy-on/easy-off attachment systems
- Soft density for fine finishing and contouring
- Medium density for general purpose work
- Firm density for heavy stock removal



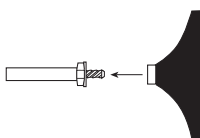
ATTACHMENT SYSTEM	PAD ONLY PART NO.	PAD w/TA4 MANDREL PART NO.	DIAMETER	DENSITY	DESCRIPTION	MAXIMUM R.P.M.
TS	541001	541051	3/4"	Medium	SM 3/4	40,000
	541002	541052	1"	Medium	SM 1	40,000
	541003	541053	1 1/2"	Soft	SS 1 1/2	20,000
	541004	541054	1 1/2"	Medium	SM 1 1/2	25,000
	541005	541055	1 1/2"	Firm	SF 1 1/2	30,000
	541006	541056	2"	Soft	SS 2	20,000
	541007	541057	2"	Medium	SM 2	25,000
	541008	541058	2"	Firm	SF 2	30,000
	541009	541059	3"	Soft	SS 3	12,000
	541010	541060	3"	Medium	SM 3	20,000
	541011	541061	3"	Firm	SF 3	20,000
	541012	541062	4"	Medium	SM 4	12,000
TR	541014	541064	5"	Medium	SM 5	8,000
	546002	546052	1"	Medium	LM 1	20,000
	546003	546053	1 1/2"	Soft	LS 1 1/2	20,000
	546004	546054	1 1/2"	Medium	LM 1 1/2	25,000
	546005	546055	1 1/2"	Firm	LF 1 1/2	30,000
	546006	546056	2"	Soft	LS 2	20,000
	546007	546057	2"	Medium	LM 2	25,000
	546008	546058	2"	Firm	LF 2	30,000
	546009	546059	3"	Soft	LS 3	12,000
	546010	546060	3"	Medium	LM 3	20,000
TP	546011	546061	3"	Firm	LF 3	20,000
	—	548054	1 1/2"	Medium	PM 1 1/2	30,000
	—	548057	2"	Medium	PM 2	30,000
	—	548060	3"	Medium	PM 3	20,000

See page 5 for attachment system descriptions.

All TS and TR holder pads have 1/4"-20 female thread.

TP holder pads only available with TA4 Mandrel attached.

1/4" TA4 Mandrel available separately, part number 540013.



PAD MANDRELS

PART NO.	DESCRIPTION	SIZE
540013	TA 4	1/4" Mandrel
440025	TA 6	6 MM Mandrel
541034	—	1/4" Mini Track Mandrel

Other adapters are available. Call for delivery and minimums.

TS Holder Pads Large Diameter

ATTACHMENT SYSTEM	PART NO.	DIAMETER	DENSITY	DESCRIPTION	MAXIMUM R.P.M.
TS	543630	4 1/2"	Medium	SM 45 F	18,000
	543632	5"	Medium	SM 55 F	18,000
	543602	7"	Soft	SS 7	8,600
	543603	7"	Medium	SM 7	8,600
	543604	7"	Firm	SF 7	8,600

Replacement retainer nut part number 542012.

Holder Pads have 5/8"-11 female thread.

PAD ADAPTERS

PART NO.	SIZE
547003	5/8-11M x 3/8-24F
547008	5/8-11M x 5/8-11F
547024	5/8-11M x 1/2-13F



Hook & Loop Style Holder Pads

SIZE	FOR PLAIN (VELCRO) STYLE DISCS	MAX. R.P.M.
2" x 1/4 Shank	840020	22,000
3" x 1/4 Shank	840030	18,000
4 1/2" with 5/8-11	840042	10,000
4" with 5/8-11	840040	10,000
5" with 5/8-11	840050	10,000
6" with 5/8-11	840060	10,000
7" with 5/8-11	727345	6,000

Edge Pro Quick Change Discs

Standard Abrasives™
Edge Pro Discs

Pre-formed 90°, bottle-cap shape adapts easily to corners, irregular shapes and inside radii of any part being finished. Unique shape prevents damaging, gouging or changing the work surface. Save time and eliminate steps in blending, removing micro-burrs, and reducing surface roughness for paint preparation. Available in TS and TR attachment styles for easy disc changes.



- Surface Conditioning material is durable and increases stock removal; resists loading on softer metals
- Flexible construction eliminates added finishing steps and the need to use hand and non-rotating products
- Provides consistent finish on flat and irregular surfaces

SIZE	GRADE	COLOR	GRAIN	REC. R.P.M.	TS	TR	MIN. PKG.	CASE QTY.
2"	Coarse	Brown	A/O	18,000	840351	840371	50	500
	Medium	Maroon	A/O	18,000	840352	840372	50	500
	Very Fine	Blue	A/O	18,000	840353	840373	50	500
3"	Coarse	Brown	A/O	12,000	840451	840471	25	250
	Medium	Maroon	A/O	12,000	840452	840472	25	250
	Very Fine	Blue	A/O	12,000	840453	840473	25	250

Edge Pro Holder Pads

PART NO.	DESC.	FOR USE WITH	MAX. R.P.M.
541357	CDS 2	TS Style 2" Edge Pro Discs	25,000
541360	CDS 3	TS Style 3" Edge Pro Discs	20,000
546357	CDL 2	TR Style 2" Edge Pro Discs	25,000
546360	CDL 3	TR Style 3" Edge Pro Discs	20,000

All holder pads for Edge Pro type discs include a 1/4" shank. Edge Pro type discs are designed to be run in conjunction with Edge Pro type holder pads only. Use with any other type of holder pad could result in the disc becoming detached during operating and result in injury.

Regarding R.P.M. ratings, please note that the maximum R.P.M. for holder pads are greater than the recommended R.P.M. of Edge Pro discs. **For safety considerations, please do not exceed the recommended R.P.M. stated for all Edge Pro discs.**

Use all appropriate face, hands and body safety equipment when using any abrasives.

SURFACE CONDITIONING FLAP DISCS

Standard Abrasives™ Surface Conditioning Flap Discs

Best disc for deburring, edge breaking, blending, cleaning, finishing, and polishing after traditional grinding is done with a Resin Fiber or Flap Disc on Aluminum, Steel, and Titanium. The overlapping flaps provide several layers of abrasives for increased durability and enhanced cut rate.



- Mounted on a firm phenolic plate produces cushioned effect for blending
- Type 29 shape with 6° taper increases stock removal
- Constructed for long life, flexibility, load-resistance and increased stock removal

GRADE	COLOR	MAX. R.P.M.	PLAIN CENTER HOLE PHENOLIC BACKED	5/8-11 QUICK CHANGE PHENOLIC BACKED	MIN. PKG.	CASE QTY.
			4 1/2" x 7/8"	4 1/2" x 5/8-11		
Coarse	Brown	13,300	821110	821150	5	50
Medium	Maroon	13,300	821210	821250	5	50
Very Fine	Blue	13,300	821310	821350	5	50

In general, non-wovens should always be run slower than their coated abrasive counterparts. To achieve the greatest amount of productivity and life from the Surface Conditioning Flap Discs, we recommend the following operating speeds: 3,000-5,000 R.P.M.

Also available in coated abrasive material. See page 15.

SURFACE CONDITIONING STARS

Standard Abrasives™ Surface Conditioning Stars

Surface Conditioning Stars are designed for deburring, cleaning and polishing I.D. of pipe or tubing. The constant pressure applied to the walls of Steel, Aluminum, or plastics provides quick consistent finishes without dimensional changes. The Aluminum Oxide construction maximizes flexibility and edge durability.



SIZE	PART NO.	EYELET	GRADE	COLOR	MAX. R.P.M.	MIN. PKG.	CASE QTY.
2"	724605	1/4-20	Coarse	Brown	20,000	50	50
	724606	1/4-20	Medium	Maroon	20,000	50	50
	724607	1/4-20	Very Fine	Blue	20,000	50	50
3"	724602	1/4-20	Coarse	Brown	12,000	25	25
	724603	1/4-20	Medium	Maroon	12,000	25	25
	724604	1/4-20	Very	Blue	12,000	25	25

To be run in conjunction with TM-4 Mandrel.

MANDREL				
PART NO.	DESCR.	SHANK LENGTH	THREAD DIA.	SIZE
707605	TM-4	3"	1/4"	1/4-20

Standard Abrasives™ Surface Conditioning Belts

Constructed of resin-reinforced non-woven fiber, these belts resist loading and avoid under-cutting or gouging of the work piece. The special design exhibits high initial and extended rates of cut, while maintaining superior edge durability. All belts may be used for "low stretch" applications.

- **Deburring:** removing large and micro burrs; edge radiusing; removing die cast flashings
- **Blending:** mill marks, tool marks and mismatches; reducing uneven edges between adjoining surfaces; reorienting surface scratch patterns; creating a smooth transition from one surface profile to another
- **Cleaning:** removing coatings, gaskets and surface discolorations from welds or other work surfaces
- **Finishing:** conditioning grind lines; reducing surface roughness; polishing welds prior to inspection; apply cosmetic grain finish



RECOMMENDED APPLICATION STARTING POINTS

TOOL/EQUIPMENT	APPLICATION			
Floor Mounted/ Platen Sanders Pneumatic Sanders Portable Sanders Back Stand Sanders	DEBURRING	BLENDING	CLEANING	FINISHING
MORE AGGRESSIVE	Coarse	Coarse	Coarse	Coarse
RECOMMENDED STARTING POINT	Medium	Medium	Medium	Medium
LESS AGGRESSIVE	Very Fine	Very Fine	Very Fine	Very Fine

Pneumatic Sander (Drum) Belts

SIZE	RC PART NO.	FE PART NO.	GRADE	MIN. PKG.
2 ³ / ₄ " x 15 ¹ / ₂ "	888000	885065	Very Fine	10
	888001	885066	Medium	10
	888002	885067	Coarse	10
3" x 10 ¹¹ / ₁₆ "	888003	885070	Very Fine	10
	888004	885071	Medium	10
	888005	885072	Coarse	10
3 ¹ / ₂ " x 15 ¹ / ₂ "	888006	885030	Very Fine	10
	888007	885031	Medium	10
	888008	885032	Coarse	10

Portable Belts

SIZE	RC PART NO.	FE PART NO.	GRADE	MIN. PKG.
1 ¹ / ₂ " x 12"	888081	885160	Very Fine	10
	888082	885161	Medium	10
	888083	885162	Coarse	10
1 ¹ / ₂ " x 18"	888048	885095	Very Fine	10
	888049	885096	Medium	10
	888050	885097	Coarse	10
1 ¹ / ₂ " x 24"	888051	885100	Very Fine	10
	888052	885101	Medium	10
	888053	885102	Coarse	10
3 ³ / ₄ " x 18"	888054	885090	Very Fine	10
	888055	885091	Medium	10
	888056	885092	Coarse	10
3 ³ / ₄ " x 20 ¹ / ₂ "	888057	885105	Very Fine	10
	888058	885106	Medium	10
	888059	885107	Coarse	10

Floor Mounted/Platen Belts

SIZE	RC PART NO.	FE PART NO.	GRADE	MIN. PKG.
1" x 42"	888009	885001	Very Fine	10
	888010	885002	Medium	10
	888011	885003	Coarse	10
2" x 48"	888012	885005	Very Fine	10
	888013	885006	Medium	10
	888014	885007	Coarse	10
2" x 60"	888015	885010	Very Fine	10
	888016	885011	Medium	10
	888017	885012	Coarse	10
2" x 72"	888018	885015	Very Fine	10
	888019	885016	Medium	10
	888020	885017	Coarse	10
2 ¹ / ₂ " x 60"	888021	885020	Very Fine	10
	888022	885021	Medium	10
	888023	885022	Coarse	10
6" x 48"	888030	885060	Very Fine	5
	888031	885061	Medium	5
	888032	885062	Coarse	5

Backstand Belts

SIZE	RC PART NO.	FE PART NO.	GRADE	MIN. PKG.
2" x 132"	888036	885040	Very Fine	5
	888037	885041	Medium	5
	888038	885042	Coarse	5
3" x 132"	888039	885045	Very Fine	5
	888040	885046	Medium	5
	888041	885047	Coarse	5
4" x 132"	888042	885050	Very Fine	5
	888043	885051	Medium	5
	888044	885052	Coarse	5
4" x 168"	888045	885055	Very Fine	5
	888046	885056	Medium	5
	888047	885057	Coarse	5

Belts available up to 50" wide. Additional belt sizes available. Call for delivery and minimums.

Standard Abrasives™ Surface Conditioning Bands

Ideal for applying cosmetic grain finish on Aluminum and Stainless Steel. Reduces surface roughness and uneven edges between adjoining surfaces. Conditions coated abrasive grind lines.

- Fast rate of cut from unique RC material
- Versatile sizes; use where belts cannot access
- Exhibits high finishing rate while maintaining consistent finish; reduction in finishing steps



BAND SIZE: INSIDE DIAMETER x WIDTH									
GRADE	1/2" x 1/2"	1/2" x 1"	1" x 1"	1 1/2" x 1"	1 1/2" x 1 1/2"	2" x 1"	2" x 2"	MIN. PKG.	CASE QTY.
Coarse	727117	727083	727086	727089	727092	727095	727098	10	100
Medium	727118	727084	727087	727090	727093	727096	727099	10	100
Very Fine	727119	727085	727088	727091	727094	727097	727100	10	100

The maximum allowable R.P.M. for bands is the same as the maximum R.P.M. of the rubber sanding drum used to drive the bands, provided the drum and the band are the same nominal diameter.

Rubber Drums for Bands

DIA.	FACE	SHANK	MAX. R.P.M.	PART NO.
1/2"	1/2"	1/8"	30,000	711456
1/2"	1/2"	1/4"	30,000	711429
1/2"	3/4"	1/4"	25,000	701248
1/2"	1"	1/4"	15,000	703077
1/2"	1 1/2"	1/4"	12,000	705354
3/4"	1/2"	1/8"	20,000	713388
3/4"	1/2"	1/4"	27,000	710243
3/4"	3/4"	1/4"	24,000	700085
3/4"	1"	1/4"	19,000	713653
3/4"	1 1/2"	1/4"	10,000	706040
3/4"	2"	1/4"	9,000	708200
1"	1/2"	1/4"	20,000	705648
1"	3/4"	1/4"	19,000	708489
1"	1"	1/4"	18,000	702816

DIA.	FACE	SHANK	MAX. R.P.M.	PART NO.
1"	1 1/2"	1/4"	10,000	702562
1"	2"	1/4"	8,000	704780
1"	3"	1/4"	6,000	706778
1 1/4"	1"	1/4"	14,000	703276
1 1/4"	1 1/2"	1/4"	10,000	708446
1 1/2"	1"	1/4"	14,000	704431
1 1/2"	1 1/2"	1/4"	10,000	700927
1 1/2"	2"	1/4"	7,000	706436
2"	1"	1/4"	11,000	708669
2"	1 1/2"	1/4"	8,000	702040
2"	2"	1/4"	6,000	710679
3"	1"	3/8"	7,000	702735
3"	2"	3/8"	4,000	704705
3"	3"	3/8"	3,000	706710



- Fabricated from rubber for controlled expansion and balance at high speeds
- Band locks on non-slip drum

Minimum Packaging for all Sizes: 1

Standard Abrasives™ Buff & Blend Products

Buff & Blend products are made from tough, resin-reinforced nylon fiber with abrasive grain. Each of the Standard Abrasives Buff & Blend materials offers unique benefits.

AP – Thinnest and most pliable, useful in tough metal removal where access is restricted due to part shape or channels.

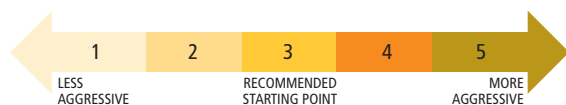
GP – Used for general duty applications, provides a high cut rate while producing consistent finishes.

HP – Stiff material produces an aggressive cut rate, designed for applications where metal removal is required.

HS REGULAR – High strength material has greater tear resistance, perfect for use on final finishing on irregular shaped parts.

HS COARSE – Best choice for tough applications that require a higher rate of cut or a coarser finish than HS Medium. It is ideal for satin and grain finishing applications, as well as blending and cleaning surface imperfections.

HS TYPE F – Thickest material, produces an excellent finish on contoured parts requiring critical dimension retention.



	BUFF & BLEND MATERIAL					
	AP	GP	HP	HS REG	HS COARSE	HS TYPE F
PRODUCT APPLICATIONS						
BLEND: Blend minor surface imperfections, handling marks, coated abrasives secondary burrs	2 (AP MED)	1 (GP VFINE) 4 (GP MED)		3 (HS MED)	5 (HS CRS)	
CLEAN: Remove minor surface oxidation, coatings and rust; surface preparation prior to coating	2 (AP MED)	1 (GP VFINE)		4 (HS MED)	5 (HS CRS)	3 (HS-F MED)
DEBURR: Remove part lines from small castings, small burrs from threaded pipes, flash from plastic molded parts	4 (AP MED)	1 (GP MED)	2 (HP VFINE)	3 (HS MED)	5 (HS CRS)	
FINISH: Grain finishing on Stainless Steel after weld removal, cosmetic finishing on Aluminum castings	2 (AP MED)			1 (HS VFINE) 4 (HS MED)	5 (HS CRS)	3 (HS-F MED)
PRODUCT FEATURES						
Center hole discs may be ganged on a shaft and used as a wheel	•	•	•	•	•	•
Resists loading: No metal contamination to work piece	•	•	•	•	•	•
Extended duration of cut				•		
Eliminates edge fraying and grain shedding	•		•	•	•	
Cool running	•	•	•	•	•	•
Long life			•	•	•	
Reduced cost resulting from product durability and increased productivity			•	•	•	•
MATERIALS						
FERROUS	•	•	•	•	•	•
NON-FERROUS	•	•	•	•	•	•
ALUMINUM	•	•	•	•	•	•
HIGH NICKEL/CHROME ALLOYS	•	•	•	•	•	•
STAINLESS STEEL	•	•	•	•	•	•
PLATED PLASTICS						•
BUILDERS HARDWARE				•	•	•
GRADES						
VERY FINE A/O		MAROON	RED	PINK		
FINE A/O		MAROON				
MEDIUM A/O	TAN	MAROON		BLUE		BLUE
COARSE A/O					GREEN	
VERY FINE S/C		GRAY				

- Flexible GP material conforms to contour, radius and I.D. areas
- Tough, resin-reinforced nylon fiber with abrasive grain provides a high rate of cut while producing consistent finishes
- Hook & Loop style available for random orbital sanding systems



GP Discs Quick Change Style

			3/4"		1"		1 1/2"		2"		3"	
GRADE	GRAIN	COLOR	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.
Medium	A/O	Maroon	840012	—	840112	—	840212	810212	840312	810312	840412	810412
Fine	A/O	Maroon	840013	—	840113	—	840213	810213	840313	810313	840413	810413
Very Fine	A/O	Maroon	840015	—	840115	—	840215	810215	840315	810315	840415	810415
Rec. R.P.M.			12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	8,000	8,000
Min. Pkg.			50	50	50	50	50	50	50	50	25	25
Case Qty.			500	500	500	500	500	500	500	500	250	250

Very Fine grade also available in Silicon Carbide. TP style discs also available. Call for delivery and minimums.

GP Discs with Center Hole

			5" x 1/2"	6" x 1/2"	7" x 1/2"	8" x 1/2"	10" x 1/2"	12" x 1 1/4"
GRADE	GRAIN	COLOR	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
Medium	A/O	Maroon	840610	840710	840810	840910	840110	849130
Fine	A/O	Maroon	840609	840709	840809	840909	840109	849129
Very Fine	A/O	Maroon	840608	840708	840808	840908	840108	849128
Rec. R.P.M.			4,000	3,600	3,000	2,700	2,000	1,800
Min. Pkg.			10	10	10	10	10	5
Case Qty.			100	100	100	100	100	50

Very Fine grade also available in Silicon Carbide. Call for additional sizes, grades, delivery and minimums.

Discs can be ganged to form a wheel.

GP Discs with Hook & Loop

			5" PLAIN	6" PLAIN	5" w/8 DUST HOLES	6" w/8 DUST HOLES
GRADE	GRAIN	COLOR	PART NO.	PART NO.	PART NO.	PART NO.
Medium	A/O	Maroon	831610	831710	831620	831720
Very Fine	A/O	Maroon	831608	831708	831618	831718
Rec. R.P.M.			10,000	10,000	10,000	10,000
Min. Pkg.			10	10	10	10
Case Qty.			100	100	100	100

Very Fine grade also available in Silicon Carbide. Additional sizes are available. Call for delivery and minimums.

GP P.A.R.T. Discs, TS Style

DIA.	HOLE	GRADE	GRAIN	DESCR.	TS	TR	TP	REC. R.P.M.	MAX. R.P.M.	MIN. PKG.	CASE QTY.
5/8"	1/16"	Fine	A/O	#30	800075	—	—	6,000	12,000	50	500
	5/64"	Fine	A/O	#21	800067	—	—	6,000	12,000	50	500
	3/32"	Fine	A/O	#10	800066	—	—	6,000	12,000	50	500
MANDRELS FOR P.A.R.T. DISCS											
PART NO.	DESCRIPTION			PIN DIA.	PIN LENGTH		SHANK DIA.	SHANK LENGTH		OVERALL LENGTH	
541150	#10 Mandrel			3/16"	5/8"		1/4"	1 1/2"		3"	
541151	#21 Mandrel			5/32"	5/8"		1/4"	1 1/2"		3"	
541152	#30 Mandrel			1/8"	5/8"		1/4"	1 1/2"		3"	
WITHOUT SHANK*											
541153	#10 Mandrel			3/16"	5/8"		—	—		—	
541154	#21 Mandrel			5/32"	5/8"		—	—		—	
541155	#30 Mandrel			1/8"	5/8"		—	—		—	

*Not stock item.

- High Strength is the best material for light deburring and finishing applications
- Very fine high luster and decorative finishes
- Final finishing on non-ferrous die cast molded parts
- Finishing on brass, steel, bronze, pewter, Stainless Steel, and plated plastics
- Polishing pipe threads and edges of molded glass containers
- High Strength Medium Type F Discs produce consistent satin finishes on Brass, Stainless Steel, Aluminum, Chrome and Nickel plated fixtures



HS Discs Quick Change Style

GRADE	GRAIN	COLOR	2"		3"		4 1/2"		5"	
			TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.
Coarse	A/O	Green	840314	840319	840414	840419	846821	—	846921	—
Medium	A/O	Blue	840357	840358	840457	840458	846822	—	846922	—
Very Fine	A/O	Maroon	840322	—	—	—	—	—	—	—
Rec. R.P.M.			12,000	12,000	8,000	8,000	10,000	10,000	10,000	10,000
Min. Pkg.			50	50	25	25	5	5	5	5
Case Qty.			500	500	250	250	50	50	50	50

HS Discs with Center Hole

GRADE	GRAIN	COLOR	5" x 1/2"	6" x 1/4"	6" x 1/2"	7" x 1/2"	8" x 1/2"	10" x 1/2"	12" x 1 1/4"
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
Coarse	A/O	Green	—	—	860706	—	860906	—	869126
Medium	A/O	Blue	—	813710	810710	—	810910	—	819130
Very Fine	A/O	Maroon	860608	—	860708	860808	860908	860108	869128
Rec. R.P.M.			4,000	3,600	3,600	3,000	2,700	2,000	1,800
Min. Pkg.			10	10	10	10	10	10	5
Case Qty.			100	100	100	100	100	100	50

Additional sizes available. Call for delivery and minimums.

HS Medium Type F with Center Hole

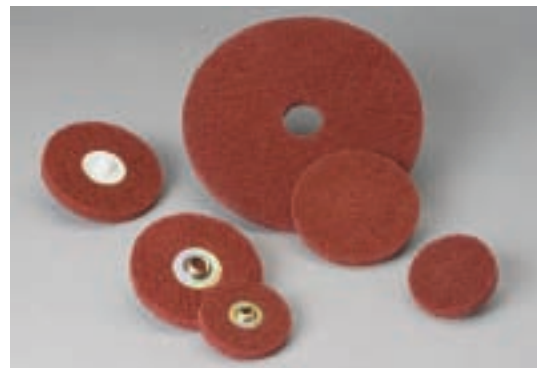
PART NO.	SIZE	GRADE	GRAIN	COLOR	REC. R.P.M.	MIN. PKG.	CASE QTY.
860710	6" x 1/2"	Medium	A/O	Blue	3,600	5	50
860910	8" x 1/2"	Medium	A/O	Blue	2,700	5	50
869130	12" x 1 1/4"	Medium	A/O	Blue	1,800	5	50

HS Type 27 Discs

PART NO.	SIZE	GRADE	GRAIN	COLOR	REC. R.P.M.	MIN. PKG.	CASE QTY.
811030	4 1/2" x 7/8"	Coarse	A/O	Green	8,000	5	50
811031	4 1/2" x 7/8"	Medium	A/O	Blue	8,000	5	50

BUFF & BLEND HP DISCS

- HP material's durable construction is aggressive and withstands heavy edge work while deburring
- Edge deburring on Aluminum extrusions
- Deburring Aluminum die cast flashing
- Removing heavy surface oxidation



HP Discs Quick Change Style

GRADE	GRAIN	COLOR	2"		3"	
			TS PART NO.	TR PART NO.	TS PART NO.	TR PART NO.
Very Fine	A/O	Red	850315	850325	850415	850425
Rec. R.P.M.			12,000	12,000	8,000	8,000
Min. Pkg.			50	50	25	25
Case Qty.			500	500	250	250

HP Discs with Center Hole

GRADE	GRAIN	COLOR	5" x 1/2"	6" x 1/2"	7" x 1/2"	8" x 1/2"	10" x 1/2"	12" x 1 1/4"
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
Very Fine	A/O	Red	850608	850708	850808	850908	850108	859128
Rec. R.P.M.			4,000	3,600	3,000	2,700	2,000	1,800
Min. Pkg.			10	10	10	10	10	5
Case Qty.			100	100	100	100	100	50

BUFF & BLEND AP DISCS

- AP is tough cutting and aggressive for medium duty cleaning, yet soft and pliable to conform to irregular surfaces



GRADE	GRAIN	COLOR	6" x 1/2"	8" x 1/2"	12" x 1 1/4"
			PART NO.	PART NO.	PART NO.
Medium	A/O	Tan	870710	870910	879130
Rec. R.P.M.			3,600	2,700	1,800
Min. Pkg.			10	10	5
Case Qty.			100	100	50

Additional sizes and grades available. Call for delivery and minimums.

BUFF & BLEND DISC ACCESSORIES

Holder Pads for Quick Change Discs

- Hard-face style has molded phenolic face for improved and snag-free grinding
- Cool running
- Easy-on/easy-off attachment systems
- Soft grade for fine finishing and contouring; Medium grade for general purpose work; Firm grade for heavy stock removal



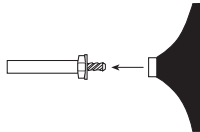
ATTACHMENT SYSTEM	PAD ONLY PART NO.	PAD w/TA4 MANDREL PART NO.	DIAMETER	DENSITY	DESCRIPTION	MAXIMUM R.P.M.
TS	541001	541051	3/4"	Medium	SM 3/4	40,000
	541002	541052	1"	Medium	SM 1	40,000
	541003	541053	1 1/2"	Soft	SS 1 1/2	20,000
	541004	541054	1 1/2"	Medium	SM 1 1/2	25,000
	541005	541055	1 1/2"	Firm	SF 1 1/2	30,000
	541006	541056	2"	Soft	SS 2	20,000
	541007	541057	2"	Medium	SM 2	25,000
	541008	541058	2"	Firm	SF 2	30,000
	541009	541059	3"	Soft	SS 3	12,000
	541010	541060	3"	Medium	SM 3	20,000
	541011	541061	3"	Firm	SF 3	20,000
	541012	541062	4"	Medium	SM 4	12,000
	541014	541064	5"	Medium	SM 5	8,000
TR	546002	546052	1"	Medium	LM 1	20,000
	546003	546053	1 1/2"	Soft	LS 1 1/2	20,000
	546004	546054	1 1/2"	Medium	LM 1 1/2	25,000
	546005	546055	1 1/2"	Firm	LF 1 1/2	30,000
	546006	546056	2"	Soft	LS 2	20,000
	546007	546057	2"	Medium	LM 2	25,000
	546008	546058	2"	Firm	LF 2	30,000
	546009	546059	3"	Soft	LS 3	12,000
	546010	546060	3"	Medium	LM 3	20,000
	546011	546061	3"	Firm	LF 3	20,000
TP	—	548054	1 1/2"	Medium	PM 1 1/2	30,000
	—	548057	2"	Medium	PM 2	30,000
	—	548060	3"	Medium	PM 3	20,000

See page 5 for attachment system descriptions.

All TS and TR holder pads have 1/4-20 female thread.

TP holder pads only available with TA4 Mandrel attached.

1/4" TA4 Mandrel available separately, part number 540013.



PAD MANDRELS

PART NO.	DESCRIPTION	SIZE
540013	TA 4	1/4" Mandrel
440025	TA 6	6 MM Mandrel
541034	—	1/4" Mini Track Mandrel

Other adapters are available. Call for delivery and minimums.

TS Holder Pads Large Diameter

ATTACHMENT SYSTEM	PART NO.	DIAMETER	DENSITY	DESCRIPTION	MAXIMUM R.P.M.
TS	543630	4 1/2"	Medium	SM 45 F	18,000
	543632	5"	Medium	SM 55 F	18,000

Replacement retainer nut part number 542012.

Holder Pads have 5/8"-11 female thread.

PAD ADAPTERS

	PART NO.	SIZE
	547003	5/8-11M x 3/8-24F
	547008	5/8-11M x 5/8-11F
	547024	5/8-11M x 1/2-13F

Hook & Loop Style Holder Pads for GP Discs

SIZE	FOR HOOK & LOOP SYSTEM PLAIN PAD WITH 5/16-24M THREAD VELOUR	FOR HOOK & LOOP SYSTEM DUST HOLES WITH 5/16-24M THREAD VELOUR	MAX. R.P.M.
5"	840052	840053	10,000
6"	840062	—	10,000

BUFF & BLEND WHEELS

GP Wheels

- Permanently affixed 1/4" shank eliminates "ganging" of individual discs
- Waterproof; may be used with lubricants
- Choice of 1, 2, or 3-ply for best utilization
- For use on small, straight grinders
- Fast removal of rust, oxidation and scale
- Cleaning, polishing, and high luster finishing



		2"			3"			4"			5"		
GRADE	GRAIN	1-PLY PART NO.	2-PLY PART NO.	3-PLY PART NO.	1-PLY PART NO.	2-PLY PART NO.	3-PLY PART NO.	1-PLY PART NO.	2-PLY PART NO.	3-PLY PART NO.	1-PLY PART NO.	2-PLY PART NO.	3-PLY PART NO.
Medium	A/O	880213	880215	880216	880413	880415	880416	880613	880615	880616	—	880815	880816
Very Fine	A/O	880313	880315	880316	880513	880515	880516	880713	880715	880716	880913	880915	880916
Max. R.P.M.		12,000	12,000	12,000	8,000	8,000	8,000	6,000	6,000	6,000	4,000	4,000	4,000
Min. Pkg.		10	10	10	10	10	10	5	5	5	5	5	5
Case Qty.		100	100	100	100	100	100	5	5	5	5	5	5

3" and 5" wheels are also available in 4 and 5-ply. Call for delivery and minimums.

HS Medium Wheels

PART NO.	SIZE	PLY	GRADE	GRAIN	MAX. R.P.M.	MIN. PKG.	CASE QTY.
880475	3"	2	Medium	A/O	8,000	10	100
880476	3"	3	Medium	A/O	8,000	10	100

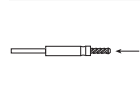
GP Circle Buffs

- Plies are held together with a threaded eyelet
- 2" have 8-32 eyelet; 3" through 5" have 1/4-20 eyelet



		2"			3"			4"			5"		
GRADE	GRAIN	1-PLY PART NO.	2-PLY PART NO.	3-PLY PART NO.	1-PLY PART NO.	2-PLY PART NO.	3-PLY PART NO.	1-PLY PART NO.	2-PLY PART NO.	3-PLY PART NO.	1-PLY PART NO.	2-PLY PART NO.	3-PLY PART NO.
Medium	A/O	724274	724276	724278	724280	724282	724284	724286	—	724290	—	—	724296
Very Fine	A/O	724275	724277	724279	724281	—	724285	—	724289	724291	—	—	724297
Eyelet		8-32	8-32	8-32	1/4-20	1/4-20	1/4-20	1/4-20	1/4-20	1/4-20	1/4-20	1/4-20	1/4-20
Max. R.P.M.		12,000	12,000	12,000	8,000	8,000	8,000	6,000	6,000	6,000	4,000	4,000	4,000
Min. Pkg.		25	25	25	25	25	25	25	25	25	25	25	25
Case Qty.		250	250	250	—	—	—	—	—	—	—	—	—

Due to manufacturing variations inherent to non-woven nylon abrasives, the total thickness of the wheels may vary. 1 ply of Very Fine is approximately .40" thick. 1 ply of Medium is approximately .33" thick.



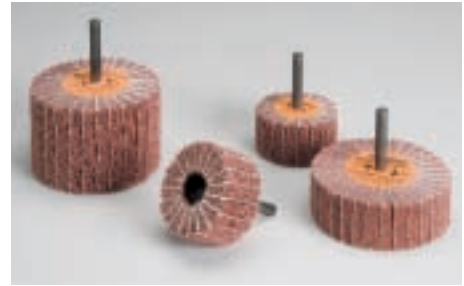
MANDRELS FOR CIRCLE BUFFS

PART NO.	DESCR.	O.A. LENGTH	SHANK DIA.	THREAD SIZE
703946	TM-2	2 1/2"	1/4"	3-48
700143	TM-3	3"	1/4"	8-32
707605	TM-4	3"	1/4"	1/4-20

Buff & Blend Combi-Wheels

Standard Abrasives™ Buff & Blend Combi-Wheels

Designed with alternating flaps of Buff & Blend GP and coated abrasive A/O resin bond materials, Combi-Wheels provide blending action while leaving a consistent and final finish on the work piece. They are durable and resist smearing. Used on small straight pneumatic and electric grinders, the permanently affixed 1/4" shank provides smooth running and ease of control for "off hand" operations.



LESS AGGRESSIVE ← → MORE AGGRESSIVE		
Flap Brushes	Combi-Wheels	Flap Wheels

- Removes heavy oxidation prior to painting and/or plating
- Deburr and grain finishing Stainless Steel sheets after coated abrasives
- Finishes stamped or extruded Aluminum parts
- Satin finishing large surfaces
- Blending, cleaning, and finishing on ferrous and non-ferrous materials when a linear scratch pattern is required and final finish is a primary concern

GRIT	GRAIN	GRADE	2" x 1" x 1/4"	3" x 1" x 1/4"	3" x 2" x 1/4"
60	A/O	Medium	898000	898004	898008
80	A/O	Medium	898001	898005	898009
80	S/C	Very Fine	—	—	898015
120	A/O	Very Fine	898002	898006	898010
180	A/O	Very Fine	898003	898007	898011
Max. R.P.M.			15,000	12,000	12,000
Min. Pkg.			10	10	5
Case Qty.			100	100	50

BUFF & BLEND FLAP BRUSHES

Mounted Flap Brushes

Standard Abrasives™ Buff & Blend Mounted Flap Brushes

Mandrel Mounted Flap Brushes are soft and conformable. The Buff & Blend GP material allows removing surface contaminants without eliminating critical detail or gouging the work piece. Its design utilizes the "face" of the material rather than the "edge," resulting in fine finishes without leaving "lines" associated with ganged arbor hole discs. They are waterproof and may be used with lubricants.



- Decorative satin and matte finishing on Stainless Steel, Brass and Aluminum
- In-line brush finish for Stainless Steel and Aluminum cookware; high luster finishes
- Removes surface contaminants such as rust, grease and oils
- Finishing Aluminum extrusions
- Load-resistant; no metal contamination of work piece

		2" x 2" x 1/4"		3" x 2" x 1/4"	
GRADE	GRAIN	GP PART NO.	AP PART NO.	GP PART NO.	AP PART NO.
Medium	A/O	875500	875510	875501	875511
Color		Maroon	Tan	Maroon	Tan
Rec. R.P.M.		15,000	15,000	12,000	12,000
Min. Pkg.		10	10	5	5
Case Qty.		100	100	50	50

BUFF & BLEND FLAP BRUSHES – continued

Buff & Blend Flap Brushes

Standard Abrasives™ Buff & Blend Flap Brushes

Conformable flap brushes allow for controlled wheel action, maximizing removal of surface contaminants without removing critical detail or gouging the work piece. They produce a consistent finish which does not reflect lines commonly attributed with ganged arbor hole discs. Density, pressure and angle determine the ability of the Flap Brush to remove burrs, oxidation and handling marks. The abrasive material provides ventilation which helps dissipate heat and, therefore, runs cooler. This provides consistent finishes without smearing or otherwise discoloring the work piece. Minimal vibration can reduce chattermarks on the work piece and can lead to less operator and machine fatigue. Use on the following tools: Straight Shaft Portable Grinder, Bench Motor, Backstand, Floor Lathe, Rotary, Straight Line, and Robotic.



- Uniform and long line brushes finishes on Aluminum, Brass and Stainless Steel
- Grain finish on brass strike plates for door hardware
- Satin finish on builders' hardware (cabinet handles, door knobs, and more)
- Satin finishes on soft metals
- Highlighting and finishing Aluminum extrusions (used as a quality control tool to identify defects)
- Inline brushed finish on Aluminum and Stainless cookware (pots and pans)
- Produce fine scratch pattern on utensils and cutlery prior to cotton buff and compound polishing
- Remove oxide from precious metals
- Blending flash and parting lines on Aluminum die cast

			6" x 1" x 2"	8" x 1" x 3"	12" x 1" x 5"	12" x 2" x 5"
DENSITY	GRADE	COLOR	PART NO.	PART NO.	PART NO.	PART NO.
Medium	Very Fine	Maroon	875000	875002	875004	875006
	Medium	Maroon	875001	875003	875005	875007
	HS Medium	Blue	875143	875176	875144	875145
Hard	Very Fine	Maroon	875008	875010	875012	875014
	Medium	Maroon	875009	875011	875013	875015
	HS Medium	Blue	875139	–	875205	875140
Rec. R.P.M.			3,400	3,200	2,500	2,500
Min. Pkg.			1	1	1	1
Case Qty.			3	3	4	2

HS Buff & Blend Flap Brushes are also available in coarse grade in hard and medium densities. Choose from 6", 8", 12" and 14" diameters. Additional sizes are available. Call for delivery and minimums.

Flange Adapters for Flap Brushes

PART NO.	USE WITH	MIN. PKG.
850071	6" diameter Flap Brush with 2" center hole	1
850077	8" diameter Flap Brush with 3" center hole	1
850087	12" diameter Flap Brush with 5" center hole	1
850081	14" diameter Flap Brush with 8" center hole	1

These flange adapters are made to order and machined for extra durability. To ensure size accuracy of flanges, when ordering, please specify Flap Brush outside diameter dimension and flange arbor hole size.

SPECIAL ORDER NOTICE: Call for standard hole sizes. Non-standard hole sizes available as Made-To-Order items; call for additional pricing, minimums and delivery.

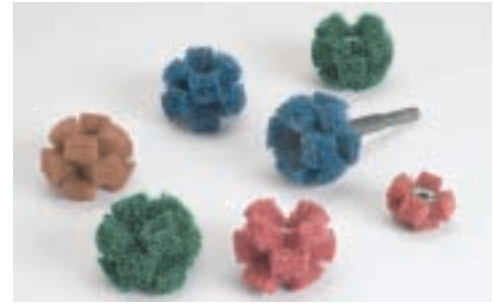


Standard Abrasives™ Buff & Blend Cross Buffs

Cross Buffs are ideal for polishing and cleaning inside diameters and hard-to-reach areas on metal surfaces. Its unique design conforms to I.D.s. Perfect for automotive and other applications including:

Cleaning: Removing surface oxidation, rust and surface coatings for part inspection; surface preparation prior to coating; removing corrosion on Steel Rule and Kirksite dies.

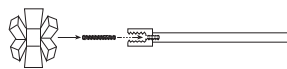
Polishing: Polishing round and square tubing, valve spools, molds, dies and inside diameters of lifter bores, valve bodies and brake cylinders.



- Durable construction withstands heavy edge work while blending and polishing; long life
- Extended duration and rate of cut
- Cool running
- Satin finishes on soft metals
- Eliminates changing critical tolerances
- Quick change

The Original Cross Buffs

PART NO.	SIZE x WIDTH	PLY	EYELET	GRADE	COLOR	GRAIN	MAX. R.P.M.	MIN. PKG.	CASE QTY.
725019	3/4" x 3/8"	2	8-32	HS Medium	Blue	A/O	20,000	50	500
725011		2	8-32	HP Very Fine	Maroon	A/O	20,000	50	500
727334	1" x 3/8"	2	8-32	HS Coarse	Green	A/O	20,000	50	500
725007		2	8-32	HS Medium	Blue	A/O	20,000	50	500
725008		2	8-32	HP Very Fine	Maroon	A/O	20,000	50	500
725000	1 1/2" x 1/2"	2	8-32	GP Very Fine	Gray	S/C	20,000	50	500
725004		2	8-32	GP Coarse	Brown	A/O	20,000	50	500
725012		2	8-32	HS Medium	Blue	A/O	20,000	50	500
725013		2	8-32	HP Very Fine	Maroon	A/O	20,000	50	500
727333		3	8-32	HS Coarse	Green	A/O	20,000	50	500
725005		3	8-32	HS Medium	Blue	A/O	20,000	50	500
725006		3	8-32	HP Very Fine	Maroon	A/O	20,000	50	500
727395		2	8-32	HS Coarse	Green	A/O	12,000	50	500
727396	2" x 1/2"	2	8-32	HS Medium	Blue	A/O	12,000	50	500
727397		2	8-32	HP Very Fine	Red	A/O	12,000	50	500
727398	2" x 3/4"	2	1/4-20	HS Coarse	Green	A/O	12,000	50	500
727399		2	1/4-20	HS Medium	Blue	A/O	12,000	50	500
727400		2	1/4-20	HP Very Fine	Red	A/O	12,000	50	500
727401	3" x 3/4"	2	1/4-20	HS Coarse	Green	A/O	8,000	50	500
727402		2	1/4-20	HS Medium	Blue	A/O	8,000	50	500
727403		2	1/4-20	HP Very Fine	Red	A/O	8,000	50	500



MANDRELS FOR CROSS BUFFS & COMBI CROSS BUFFS

PART NO.	SIZE	SHANK DIA.	THREAD SIZE
869201*	4"	1/4"	1/4-20 F
700143	3"	1/4"	8-32
707605	3"	1/4"	1/4-20

*Includes 8-32 M Adapter.

Combi Cross Buffs

- Incorporating both Buff & Blend and Coated Abrasive materials for greater stock removal
- Very flexible and provides clean burr-free finishes
- Grit ranges from 60 to 320



PART NO.	SIZE x WIDTH	PLY	EYELET	GRADE	COLOR	GRAIN	MAX. R.P.M.	MIN. PKG.	CASE QTY.
727404	2" x 1/2"	2	8-32	GP Medium 60	Maroon	A/O	12,000	25	250
727405		2	8-32	GP Medium 80	Maroon	A/O	12,000	25	250
727406		2	8-32	HP Very Fine 120	Red	A/O	12,000	25	250
727407		2	8-32	HP Very Fine 240	Red	A/O	12,000	25	250
727408	3" x 3/4"	2	1/4-20	GP Medium 60	Maroon	A/O	8,000	25	250
727409		2	1/4-20	GP Medium 80	Maroon	A/O	8,000	25	250
727410		2	1/4-20	HP Very Fine 120	Red	A/O	8,000	25	250
727411		2	1/4-20	HP Very Fine 240	Red	A/O	8,000	25	250

BUFF & BLEND ROLLS

Standard Abrasives™ Buff & Blend Rolls

Used with vibratory orbital and straight-line sanders, to produce matte and satin finishes. Rolls are also cut to size and used by hand or to finish a part turning on a lathe or spindle.

Deburring: Edge deburring on Aluminum extrusions; deburring Aluminum die cast flashing, radius edges on precision machined parts, and contoured parts; removing micro burrs.

Cleaning: Removing heavy surface oxidation and surface coatings for part inspection; surface preparation prior to coating; removing rust.

Blending: Blending mill marks, tool marks, mismatches, and coated abrasive disc scratch patterns; reducing uneven edges.

Finishing: Matte finish on Aluminum and Steel enclosures; satin finish on large Stainless Steel surfaces.



- Width fits most power sanders
- Waterproof; may be used with lubricants
- Resists loading; no metal contamination to work piece

GRADE	GRAIN	COLOR			GP		HS		HP	
		GP	HS	HP	4" x 30'	6" x 30'	4" x 30'	6" x 30'	4" x 30'	6" x 30'
Medium	A/O	Maroon	Blue	—	830010	830011	830270	830271	—	—
Fine	A/O	Maroon	—	—	830015	830016	—	—	—	—
Very Fine	A/O	Maroon	Maroon	Red	830020	830021	830170	830171	830070	830071
Very Fine	S/C	Gray	—	—	830025	830026	—	—	—	—
Min. Pkg.					1	1	1	1	1	1

Other sizes available. Call for delivery and minimums.

Standard Abrasives recommends "Very Fine" grade for most "Fine" grade applications. For medium grade material, Standard Abrasives recommends its HS material.

FELT POLISHING DISCS

Standard Abrasives™ Felt Polishing Discs

Felt Discs are designed for the final polishing process. When used on a scratched or rough piece of metal, first remove scratches with Surface Conditioning & Deburring Discs. Begin polishing with a Buff & Blend Disc, and use Felt Discs for the final finish.

Final Finishing: On Aluminum, Brass and Chrome, when used with a metal polish.

Polishing: On small or tight areas, using small diameter discs or on large, open areas, using large diameter discs.



- Instant disc changes with Quick Change TS or TR fastening systems; disc is centered for smooth running
- Cool running; reduces risk of loading
- Flexible; conforms to contours, radius and I.D. areas; prevents undercutting or gouging of the work piece

Holder Pads for Felt Polishing Discs

TS PAD ONLY	TS PAD w/TA4 MANDREL	DIA.	DENSITY	DESCR.	MAX. R.P.M.
541002	541052	1"	Medium	SM 1	40,000
541006	541056	2"	Soft	SS 2	20,000
541007	541057	2"	Medium	SM 2	25,000
541008	541058	2"	Firm	SF 2	30,000
541009	541059	3"	Soft	SS 3	12,000
541010	541060	3"	Medium	SM 3	20,000
541011	541061	3"	Firm	SF 3	20,000

TR PAD ONLY	TR PAD w/TA4 MANDREL	DIA.	DENSITY	DESCR.	MAX. R.P.M.
546006	546056	2"	Soft	LS 2	20,000
546007	546057	2"	Medium	LM 2	25,000
546008	546058	2"	Firm	LF 2	30,000
546009	546059	3"	Soft	LS 3	12,000
546010	546060	3"	Medium	LM 3	20,000
546011	546061	3"	Firm	LF 3	20,000

All TS and TR holder pads have 1/4-20 female thread.

1/4" TA4 Mandrel available separately, part number 540013.

Standard Abrasives™ Hand Pads

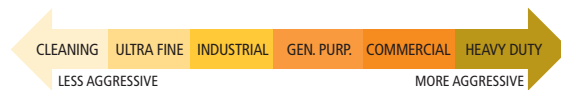
Designed for hand applications such as deburring, polishing, cleaning, finishing, and surface preparation on metal composite or plastic surfaces. They can replace steel wool, files, scrapers, wire brushes and sandpaper sheets.



PRODUCT APPLICATIONS	HAND PAD MATERIALS						
	Heavy Duty	Gen. Purpose	Ultra Fine	Cleaning	Industrial	Commercial	Power Pad
Deburr	•	•	•	•			•
Clean	•	•	•	•	•	•	•
Polish	•	•	•	•			•
Finish	•	•	•	•	•		
Surface Preparation	•	•	•	•			•
PRODUCT FEATURES							
Non-rusting; will not contaminate work piece	•	•	•	•	•	•	•
Waterproof; may be used with solvents	•	•	•	•	•		•
Flexible, conforms to work piece	•	•	•	•	•	•	•
Uniform distribution of grain; consistent finish	•	•	•	•	•	•	•
Pre-cut 6" x 9" size eliminates need to cut rolls	•	•	•	•	•	•	•
Non-Rusting	•	•	•	•	•	•	•

General Hand Pads

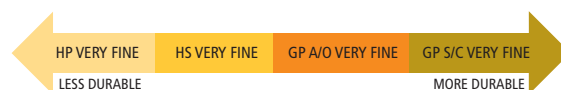
- Washable; reusable and rust proof
- Various grades adapt to specific jobs



PART NO.	DESCRIPTION	GRAIN	COLOR	SIZE	MIN. PKG.
827510	Heavy Duty	A/O	Tan	6" x 9"	1 Case = 40 Pads
827505	General Purpose	A/O	Maroon	6" x 9"	1 Case = 60 Pads
827500	Ultra Fine	S/C	Gray	6" x 9"	1 Case = 60 Pads
827525	Cleaning	—	White	6" x 9"	1 Case = 60 Pads

Power Pads

- Designed for power applications; used with Jitterbug, orbital and straight line sanders
- Added strength, toughness and power

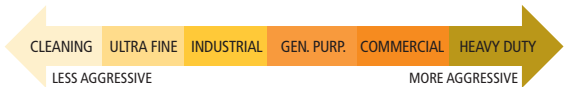


PART NO.	DESCRIPTION	GRAIN	COLOR	SIZE	MIN. PKG.
827600	GP Very Fine	A/O	Maroon	6" x 9"	1 Case = 50 Pads
827605	GP Very Fine	S/C	Gray	6" x 9"	1 Case = 50 Pads
827620	HP Very Fine	A/O	Red	6" x 9"	1 Case = 50 Pads
827630	HS Very Fine	A/O	Pink	6" x 9"	1 Case = 50 Pads

SCOURING HAND PADS

Industrial Scouring Hand Pads

- Tough cleaning and scouring applications in the food service industry
- Light duty cleaning; removing light oxidation and rust
- Tough and durable high grade resin system
- May be used dry or with solvents or water-based detergents



PART NO.	DESCRIPTION	GRAIN	COLOR	SIZE	MIN. PKG.
827520	Industrial Grade	A/O	Green	6" x 9"	1 Case = 60 Pads

Hand Pad Holder

PART NO.	DESCRIPTION	COLOR	MIN. PKG.
827000	Hand Pad Holder	Orange	1



Standard Abrasives™ Cleaning Discs

Cleaning Discs are ideal for cleaning welds, removing corrosion, rust, scale, paints, varnishes and sealants from difficult to reach surfaces. Constructed of large nylon filament, they are an open, non-loading structure that performs rapid removal of surface contaminants, while producing fine finishes. Also used for blending.



Cleaning Discs, Standard

- Coarse Silicon Carbide grain for rapid removal of surface contaminants

PART NO.	SIZE	DESCRIPTION	COLOR	MAX. R.P.M.	MIN. PKG.	CASE QTY.
840397	2"	Quick Change TS	Black	12,000	25	250
840497	3"	Quick Change TS	Black	8,500	10	100
843890	4 1/2"	Quick Change TS	Black	6,000	5	50
843990	5"	Quick Change TS	Black	6,000	5	50
840398	2"	Quick Change TR	Black	12,000	25	250
840498	3"	Quick Change TR	Black	8,500	10	100
811027	4 1/2" x 7/8"	Type 27 Disc	Black	10,000	5	50
843401	4" x 1/4"	Arbor Hole Disc	Black	6,000	10	100
840701	6" x 1/2"	Arbor Hole Disc	Black	4,000	5	50
840901	8" x 1/2"	Arbor Hole Disc	Black	3,000	5	50
880493	3" x 1 Ply	Spindle Mounted Wheel	Black	10,000	5	50
880495	3" x 2 Ply	Spindle Mounted Wheel	Black	10,000	5	50

Additional sizes are available. Call for delivery and minimums.

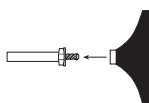
Cleaning Discs Pro

- Additional grain and resin reinforcement for aggressiveness, fast and even material removal, and increased durability on edges

PART NO.	SIZE	DESCRIPTION	COLOR	MAX. R.P.M.	MIN. PKG.	CASE QTY.
840396	2"	Quick Change TS - SocAtt	Blue	12,000	25	250
840496	3"	Quick Change TS - SocAtt	Blue	8,500	10	100
840399	2"	Quick Change TR - Lockit	Blue	12,000	25	250
840499	3"	Quick Change TR - Lockit	Blue	8,500	10	100
811127	4 1/2" x 7/8"	Type 27 Disc	Blue	10,000	5	50
843402	4x1/4"	Arbor Hole Disc	Blue	6,000	10	100
840702	6x1/2"	Arbor Hole Disc	Blue	4,000	5	50
840902	8x1/2"	Arbor Hole Disc	Blue	3,000	5	50

Additional sizes are available. Call for delivery and minimums.

Holder Pads for Cleaning Discs



PAD MANDRELS

PART NO.	DESCRIPTION	SIZE
540013	TA 4	1/4" Mandrel
440025	TA 6	6 MM Mandrel

ATTACHMENT SYSTEM	PAD ONLY PART NO.	PAD w/TA4 MANDREL PART NO.	DIAMETER	DENSITY	DESCRIPTION	MAXIMUM R.P.M.
TS	541006	541056	2"	Soft	SS 2	20,000
	541007	541057	2"	Medium	SM 2	25,000
	541008	541058	2"	Firm	SF 2	30,000
	541009	541059	3"	Soft	SS 3	12,000
	541010	541060	3"	Medium	SM 3	20,000
	541011	541061	3"	Firm	SF 3	20,000
TR	546006	546056	2"	Soft	LS 2	20,000
	546007	546057	2"	Medium	LM 2	25,000
	546008	546058	2"	Firm	LF 2	30,000
	546009	546059	3"	Soft	LS 3	12,000
	546010	546060	3"	Medium	LM 3	20,000
	546011	546061	3"	Firm	LF 3	20,000

All TS and TR holder pads have 1/4-20 female thread.

TS HOLDER PADS FOR DISCS WITH 5/8-11 HUB

SYSTEM	PART NO.	DIA.	DENSITY	DESCR.	MAX. R.P.M.	SYSTEM	PART NO.	DIA.	DENSITY	DESCR.	MAX. R.P.M.
TS	543630	4 1/2"	Medium	SM 45 F	18,000	BD*	543629	4 1/2"	Medium	BD 45 F	18,000
	543632	5"	Medium	SM 55 F	18,000		543629	5"	Medium	BD 55 F	18,000

PAD ADAPTERS

PART NO.	SIZE
547003	5/8-11M x 3/8-24F
547008	5/8-11M x 5/8-11F
547024	5/8-11M x 1/2-13F

*BD – Low Profile Holder Pad fits Black & Decker. Replacement pad part number 542012. Holder Pads have 5/8"-11 female thread.

Standard Abrasives™ Convolute Wheels

Used for deburring, blending, finishing, polishing and cleaning applications that will not break edges or remove metal, these wheels are used on automated equipment, straight shaft stationary and portable tools and feed-through machines.

GP Plus Wheels – These wheels provide the highest durability for the toughest edge and flat surface deburring applications, producing a smear resistant finish, while maintaining wheel shape in the most aggressive applications.

Deburring Wheels – They provide an excellent starting point for medium to heavy precision deburring, blending and polishing, especially where seams and welds require smoothing.

LDW (Light Deburring Wheel) – These are the ideal wheels for light deburring of parts with critical tolerances. Maintain a smear resistant, bright polished finish from part to part. Softer densities provide greater control.

Metal Finishing Wheels – The “Red” Wheels’ durable construction provides users with a long-lasting finishing wheel for decorative satin and antique finishing of Stainless Steel, Brass and Aluminum.

Multi-Finish Wheels – These low density, durable wheels are used primarily for applications requiring a linear scratch and final finish on surfaces where no edges or burrs are present.



WHAT THE NUMBERS REPRESENT IN “SPEC” DESCRIPTIONS:

Density

2 = Extra Soft
5 = Soft
6 = Soft/Medium
7 = Medium/Hard
8 = Hard
9 = Extra Hard
10 = Hardest

Grain

A = A/O
S = S/C

Grade

F = Fine
M = Medium
C = Coarse

Example: 8AM Wheel =

8

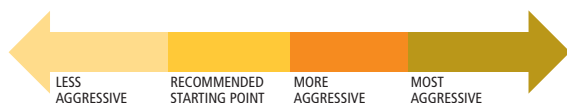
Hard
Density

A

A/O
Grain

M

Medium
Grade



	CONVOLUTE WHEEL LINE				
	MULTI-FINISH	GP PLUS	DEBURRING	LDW	METAL FINISH
PRODUCT APPLICATIONS					
DEBURR		10SF 9SF 8SF		7SF	
CLEAN		8AM 8SF		8SF 7SF	
BLEND		10SF 9SF 8SF		7SF	
FINISH		8AM			6AM 5AM
Burr Removal		•	•	•	
Machine and Belt Mark Blending		•		•	•
Final Finishing	•			•	•
FEATURES					
Edge Durability - Maintains wheel integrity even with additional pressure		•	•	•	
Smooth Running - Less operator fatigue	•	•	•	•	•
Non-Metallic - No contamination of work piece	•	•	•	•	•
Fast Cut Rate - More parts per time reducing labor cost and increasing capacity		•			•
Conforms to Work Piece - Prevents undercutting and gouging the work piece	•	•	•	•	•
Smear Resistant	•	•	•	•	•
GRADES					
Coarse	•				
Medium	•	•	•		•
Very Fine		•	•	•	

GP Plus Convolute Wheels

- Best wheel for deburring, blending and cleaning when a consistent cut rate and wheel durability are a primary requirement
- Fast, effortless (high cut rate even at lower pressures); fast removal of burrs and edge breaking
- Remove medium to heavy burrs, deburr turbine blades and heavy edges
- Blend machine, tool and belt marks
- Fine finishing on surgical tools; final finishing
- Provides best durability, stock removal and finest finish

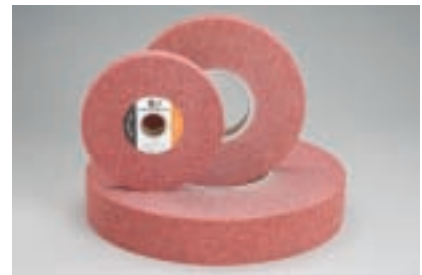


SPEC.	GRADE	GRAIN	6" x 1 1/2" x 1"	6" x 1" x 1"	6" x 2" x 1"	8" x 1 1/2" x 3"	8" x 1" x 3"	8" x 2" x 3"	12" x 1 1/2" x 5"	12" x 1" x 5"	12" x 2" x 5"	14" x 2" x 8"	14" x 2" x 8"
Medium	8AM	A/O	853042	853142	—	853742	853342	—	850286	853942	—	—	—
Fine	8SF	S/C	853053	853153	—	853753	853353	853453	850256	853953	853853	—	—
Medium	8SM	S/C	853052	853152	853252	853752	853352	853452	850344	853952	—	—	—
Fine	9SF	S/C	854053	854153	854253	854753	854353	854453	850257	854953	854853	850285	850268
Fine	10SF	S/C	855053	855153	—	855753	855353	—	—	—	—	—	—
Max. R.P.M.			6,000	6,000	—	4,500	4,500	4,500	3,000	3,000	3,000	2,550	2,550
Min. Pkg.			1	1	1	1	1	1	1	1	1	1	1
Case Qty.			4	3	2	4	3	2	2	2	1	1	1

Additional sizes are available. Same specifications available in 14" diameter. Call for delivery and minimums.

Metal Finishing Convolute Wheels

- Ideal for imparting decorative satin and antique finishes
- Blend scratches while applying a burr-free finish for coating and polishing
- Can be dressed to fit a specific part geometry
- Durable; withstands greater contact pressures and speed variations



GRADE	SPEC.	GRAIN	6" x 1 1/2" x 1"	6" x 1" x 1"	6" x 2" x 1"	8" x 1" x 3"	8" x 2" x 3"	12" x 1 1/2" x 5"	12" x 1" x 5"	12" x 2" x 5"
Medium	5AM	A/O	858082	858182	858282	858382	858482	850171	858982	858882
Medium	6AM	A/O	—	859182	859282	859382	859482	—	—	—
Max. R.P.M.			6,000	6,000	6,000	4,500	4,500	3,000	3,000	3,000
Min. Pkg.			1	1	1	1	1	1	1	1
Case Qty.			4	3	2	3	2	2	2	1

Additional sizes and grades available. Call for specific product information regarding your request.

Multi-Finish Convolute Wheels

- Blending coated abrasive scratches and surfaces to match #4 mill finish
- Applying burr free satin finish to architectural hardware and grain finish prior to anodizing; consistent and clean smear resistant grain finishes
- Low Density produces large "footprint" on the work piece
- Even attrition; does not "chunk" or dust.



GRADE	SPEC.	GRAIN	6" x 1" x 1"	6" x 2" x 1"	6" x 3" x 1"	8" x 1" x 3"	8" x 2" x 3"	12" x 1" x 5"	12" x 2" x 5"
Medium	2SM	S/C	856192	856292	850306	856392	856492	856992	856892
Coarse	2SC	S/C	856191	856291	850307	856391	856491	856991	856891
Max. R.P.M.			6,000	6,000	6,000	4,500	4,500	3,000	3,000
Min. Pkg.			1	1	1	1	1	1	1
Case Qty.			3	2	2	3	2	2	1

Multi-Finish Convolute Wheels are also recommended for most final finishing applications.

Additional sizes and grades available. Call for specific product information regarding your request.

CONVOLUTE WHEELS – continued

Deburring Convolute Wheels

- Excellent starting point for medium to heavy deburring and polishing
- Remove medium to heavy burrs and parting lines from castings and forgings; deburr Aluminum die cast flashing, Stainless Steel pipe threads, punched holes on machined parts; smooth radius on stamped metal parts
- Polish welds and small casted parts prior to coating; blend and polish handling marks



GRADE	DENSITY	SPEC.	GRAIN	6" x 1/2" x 1"	6" x 1" x 1"	6" x 2" x 1"	8" x 1/2" x 3"	8" x 1" x 3"	8" x 2" x 3"
Fine	Medium	8SF	S/C	853093	853193	–	853793	853393	853493
Fine	Hard	9SF	S/C	854093	854193	854293	854793	854393	854493
Fine	Hard	10SF	S/C	855093	855193	–	–	–	–
Max. R.P.M.				6,000	6,000	6,000	4,500	3,000	3,000
Min. Pkg.				1	1	1	1	1	1
Case Qty.				4	3	2	4	3	2

Additional sizes are available. Call for delivery and minimums.

LDW (Light Deburring Convolute Wheel)

- Best wheel for light deburring, blending machine and belt marks and finishing of small parts
- Softer wheel has greater flexibility
- Fast finish rate with less effort than competitive wheels; bright smear resistant finishes
- Polishing molds, dies and surgical tools
- Finishing prior to polishing



GRADE	SPEC.	GRAIN	6" x 1/2" x 1"	6" x 1" x 1"	8" x 1/2" x 3"	8" x 1" x 3"	8" x 2" x 3"	12" x 1/2" x 5"	12" x 1" x 5"	12" x 2" x 5"	14" x 2" x 8"
Fine	6SF	S/C	851033	851133	851733	851333	–	–	851933	851833	–
Fine	7SF	S/C	852033	852133	852733	852333	852433	850258	852933	852833	850274
Fine	8SF	S/C	853033	853133	853733	853333	–	850259	853933	853833	–
Max. R.P.M.			6,000	6,000	4,500	4,500	4,500	3,000	3,000	3,000	2,550
Min. Pkg.			1	1	1	1	1	1	1	1	1
Case Qty.			4	3	4	3	2	2	2	1	1

Additional sizes are available. Same specifications available in 14" diameter. Call for delivery and minimums.

Flange Adapters for Convolute Wheels

PART NO.	USE WITH	MIN. PKG.
850088*	6" diameter Convolute Wheel with 1" center hole	1
850077	8" diameter Convolute Wheel with 3" center hole	1
850087	12" diameter Convolute Wheel with 5" center hole	1
850081	14" diameter Convolute Wheel with 8" center hole	1

*Also used to drive 6" diameter Unitized Wheels with 1" center hole

These flange adapters are made to order and machined for extra durability. To ensure size accuracy of flanges, when ordering, please specify Convolute Wheel outside diameter dimension and flange arbor hole size.

SPECIAL ORDER NOTICE: Call for standard hole sizes. Non-standard hole sizes available as Made-To-Order items; call for additional pricing, minimums and delivery.



Standard Abrasives™ Unitized Wheels

Used for tough deburring, blending, finishing and polishing on ferrous and non-ferrous materials. Unitized Wheels are bi-directional and can be mounted on a tool or pedestal grinder without regard to the spindle rotation direction.

500 Series – Soft density with exceptional conformability while maintaining durability, cut and consistent finish. For applications with strict dimension tolerances.

600 Series – Soft/Medium density with increased edge durability and life for tough blending and polishing applications.

700 Series – Medium/Hard density with increased edge durability and life for tough deburring and cleaning applications.

800 Series – Hard density with increased edge durability and life for tough deburring and polishing applications.

900 Series – Extra hard density with the highest edge durability, increasing productivity and capable of deburring and polishing harder metals.



WHAT THE NUMBERS REPRESENT IN “TYPE” DESCRIPTIONS:

Density

5 = Soft
6 = Soft/Medium
7 = Medium/Hard
8 = Hard
9 = Extra Hard

Grade

1 = Coarse
2 = Medium
3 = Fine

Grain

1 = A/O
2 = S/C
4 = S/C
Firm*

*Available only as a Type 524

Example: 521 Wheel =

5

Soft
Density

2

Medium
Grade

1

A/O
Grain



UNITIZED WHEEL LINE

	500 SERIES	600 SERIES	700 SERIES	800 SERIES	900 SERIES
PRODUCT APPLICATIONS					
DEBURR		631	731	821	911
CLEAN	521	631	731		921
BLEND	524	631		821	921
FINISH	532	632	732		921
PERFORMANCE CHARACTERISTICS					
Increased Durability - More productivity and longer lasting	•	•	•	•	•
Increased Edge Durability		•	•	•	•
Non-woven Construction - Resists loading	•	•	•	•	•
Non-metallic - No contamination of work piece	•	•	•	•	•
Smear Resistant Formula	•	•	•	•	•
Conforms to Work Piece - Prevents undercutting/gouging; less operator fatigue	•	•	•	•	•
MATERIALS					
FERROUS	•	•	•	•	•
NON-FERROUS	•	•	•	•	•
ALUMINUM	•	•	731	821	
STAINLESS STEEL	•	•	•	•	•
HIGH NICKEL/CHROME ALLOYS	•	•	•	•	•
TITANIUM	532	632	732		
COMPOSITES	•	•	•		
GRADES					
Coarse				•	•
Medium	•			•	•
Fine	•	•	•		

UNITIZED WHEELS – continued

500 Series Unitized Wheels

CLEANING

- General purpose cleaning; cleaning prior to painting
- Removing rust, discoloration from welds, minor pits and scratches, resins/adhesives overspray and coating

POLISHING

- Polishing fillet areas on jet blades
- Polishing soft metals prior to coating process

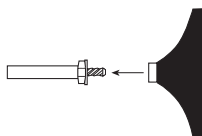


PART NO.	SIZE	TYPE	DENSITY	GRAIN	GRADE	MAX. R.P.M.	MIN. PKG.	CASE QTY.
852105	1" x 1" x 3/16"	521	Soft	A/O	Medium	20,000	10	10
852405		524	Soft	S/C	Medium	20,000	10	10
853205		532	Soft	S/C	Fine	20,000	10	10
852110	2" x 1/4" x 1/4"	521	Soft	A/O	Medium	18,000	10	10
852410		524	Soft	S/C	Medium	18,000	10	10
853210		532	Soft	S/C	Fine	18,000	10	10
852115	2" x 1/2" x 1/4"	521	Soft	A/O	Medium	18,000	10	10
853215		532	Soft	S/C	Fine	18,000	10	10
852135	3" x 1/4" x 1/4"	521	Soft	A/O	Medium	12,000	10	10
852435		524	Soft	S/C	Medium	12,000	10	10
853235		532	Soft	S/C	Fine	12,000	10	10
852140	3" x 1/2" x 1/4"	521	Soft	A/O	Medium	12,000	10	10
853240		532	Soft	S/C	Fine	12,000	10	10
852473	6" x 1/4" x 1/2"	524	Soft	S/C	Medium	6,000	1	10
853273		532	Soft	S/C	Fine	6,000	1	10
853274	6" x 1/4" x 1"	532	Soft	S/C	Fine	6,000	1	10
853271	6" x 1/2" x 1/2"	532	Soft	S/C	Fine	6,000	1	4
853275	6" x 1/2" x 1"	532	Soft	S/C	Fine	6,000	1	4
852178	6" x 1" x 1"	521	Soft	A/O	Medium	6,000	1	3
852478		524	Soft	S/C	Medium	6,000	1	3
853278		532	Soft	S/C	Fine	6,000	1	3
890094	12" x 1/2" x 1 1/4"	524	Soft	S/C	Medium	2,300	1	1
TR QUICK CHANGE STYLE								
852199	2" x 1/4"	521	Soft	A/O	Medium	18,000	10	10
852499		524	Soft	S/C	Medium	18,000	10	10
853299		532	Soft	S/C	Fine	18,000	10	10
853298	3" x 1/4"	532	Soft	S/C	Fine	12,000	10	10
852198		521	Soft	A/O	Medium	12,000	10	10

1" through 3" Unitized Wheels consist of arbor hole with steel bushing.

Additional sizes and grades for Unitized Wheels are available. Call for specific product information regarding your request.

Holder Pads for Quick Change Style



PAD MANDRELS						
PART NO.	DESCRIPTION	SIZE				
540013	TA 4	1/4" Mandrel				
440025	TA 6	6 MM Mandrel				
541034	–	1/4" Mini Track Mandrel				

ATTACHMENT SYSTEM	PAD ONLY PART NO.	PAD w/TA4 MANDREL PART NO.	DIAMETER	DENSITY	DESCRIPTION	MAXIMUM R.P.M.
TS	541006	541056	2"	Soft	SS 2	20,000
	541007	541057	2"	Medium	SM 2	25,000
	541008	541058	2"	Firm	SF 2	30,000
	541009	541059	3"	Soft	SS 3	12,000
	541010	541060	3"	Medium	SM 3	20,000
	541011	541061	3"	Firm	SF 3	20,000
TR	546006	546056	2"	Soft	LS 2	20,000
	546007	546057	2"	Medium	LM 2	25,000
	546008	546058	2"	Firm	LF 2	30,000
	546009	546059	3"	Soft	LS 3	12,000
	546010	546060	3"	Medium	LM 3	20,000
	546011	546061	3"	Firm	LF 3	20,000

All TS and TR holder pads have 1/4-20 female thread.

1/4" TA4 Mandrel available separately, part number 540013.

600 Series Unitized Wheels

BLENDING

- Blending and refining surfaces of jet blade airfoils
- Blending parting lines from cast turbine blades and vanes
- Blending Stainless Steel surgical instruments, mill marks and machine mismatches
- Removing minor pits, scratches, resins/adhesive overspray, coating and plastic mold flashing

POLISHING

- Polishing fillet areas on jet blades and aircraft parts
- Polishing after weld removal
- Polishing mold and die, Cast Aluminum, Brass and Copper
- Polishing and finishing of surgical instruments and prosthetics

PART NO.	SIZE	TYPE	DENSITY	GRAIN	GRADE	MAX. R.P.M.	MIN. PKG.	CASE QTY.
863105	1" x 1" x 3/16"	631	Soft/Medium	A/O	Fine	20,000	10	10
863205		632	Soft/Medium	S/C	Fine	20,000	10	10
863110	2" x 1/4" x 1/4"	631	Soft/Medium	A/O	Fine	18,000	10	10
863210		632	Soft/Medium	S/C	Fine	18,000	10	10
863115	2" x 1/2" x 1/4"	631	Soft/Medium	A/O	Fine	18,000	10	10
863215		632	Soft/Medium	S/C	Fine	18,000	10	10
863135	3" x 1/4" x 1/4"	631	Soft/Medium	A/O	Fine	12,000	10	10
863235		632	Soft/Medium	S/C	Fine	12,000	10	10
863140	3" x 1/2" x 1/4"	631	Soft/Medium	A/O	Fine	12,000	10	10
863240		632	Soft/Medium	S/C	Fine	12,000	10	10
863175	6" x 1/2" x 1"	631	Soft/Medium	A/O	Fine	6,000	1	4
863275		632	Soft/Medium	S/C	Fine	6,000	1	4
863178	6" x 1" x 1"	631	Soft/Medium	A/O	Fine	6,000	1	3
863278		632	Soft/Medium	S/C	Fine	6,000	1	3
890194	12" x 1/4" x 1 1/4"	632	Soft/Medium	S/C	Fine	3,600	1	1
890192	12" x 1" x 1 1/4"	632	Soft/Medium	S/C	Fine	2,600	1	1
TR QUICK CHANGE STYLE								
863199	2" x 1/4"	631	Soft/Medium	A/O	Fine	18,000	10	10
863299		632	Soft/Medium	S/C	Fine	18,000	10	10
863198	3" x 1/4"	631	Soft/Medium	A/O	Fine	12,000	10	10
863298		632	Soft/Medium	S/C	Fine	12,000	10	10

See page 55 for Quick Change Style holder pads.

700 Series Unitized Wheels

DEBURRING

- Deburring gears, trailing and leading edge on turbine blades
- Removing punched hole burrs on Stainless Steel, 80 grit grind lines on Nickel Alloys, 120 grit grind lines on Aluminum, heavy flashing and medium-sized pits and scratches
- Edge radiusing

CLEANING

- Removing heavy scale, light oxidation from Aluminum, brazing on Steel tubing, weld discoloration
- Removing handling marks prior to coating or plating

PART NO.	SIZE	TYPE	DENSITY	GRAIN	GRADE	MAX. R.P.M.	MIN. PKG.	CASE QTY.
873105	1" x 1" x 3/16"	731	Medium/Hard	A/O	Fine	30,000	10	10
873205		732	Medium/Hard	S/C	Fine	30,000	10	10
873108	2" x 1/8" x 1/4"	731	Medium/Hard	A/O	Fine	22,000	10	10
873110	2" x 1/4" x 1/4"	731	Medium/Hard	A/O	Fine	22,000	10	10
873133	3" x 1/8" x 1/4"	731	Medium/Hard	A/O	Fine	18,000	10	10
873135	3" x 1/4" x 1/4"	731	Medium/Hard	A/O	Fine	18,000	10	10
873235		732	Medium/Hard	S/C	Fine	18,000	10	10
873140	3" x 1/2" x 1/4"	731	Medium/Hard	A/O	Fine	18,000	10	10
873240		732	Medium/Hard	S/C	Fine	18,000	10	10
873150	3" x 1" x 1/4"	731	Medium/Hard	A/O	Fine	18,000	10	10
890177	6" x 1/4" x 1/4"	731	Medium/Hard	A/O	Fine	6,000	1	10
890213		732	Medium/Hard	S/C	Fine	6,000	1	10
873275	6" x 1/2" x 1"	732	Medium/Hard	S/C	Fine	6,000	1	4
873178	6" x 1" x 1"	731	Medium/Hard	A/O	Fine	6,000	1	3
873278		732	Medium/Hard	S/C	Fine	6,000	1	3
TR QUICK CHANGE STYLE								
873198	3" x 1/4"	731	Medium/Hard	A/O	Fine	12,000	10	10
873298		732	Medium/Hard	S/C	Fine	12,000	10	10

1" through 3" Unitized Wheels consist of arbor hole with steel bushing.

Additional sizes and TS Quick Change style are available. Call for delivery and minimums.

See page 55 for Quick Change Style holder pads.

UNITIZED WHEELS – continued

800 Series Unitized Wheels

DEBURRING

- Deburring Stainless Steel pipe thread, wire edges from surgical instruments, Stainless Steel sinks, tanks and other equipment for the food service industry
- Deburring gears and aircraft wing spars
- Breaking edges on Aluminum extrusions

POLISHING

- Polishing Stainless Steel rule dies
- Polishing welds on Stainless Steel sinks
- Polishing machined surfaces and hand tools
- Polishing round tubing

PART NO.	SIZE	TYPE	DENSITY	GRAIN	GRADE	MAX. R.P.M.	MIN. PKG.	CASE QTY.
881105	1" x 1" x 3/16"	811	Hard	A/O	Coarse	30,000	10	10
882105		821	Hard	A/O	Medium	30,000	10	10
882108	2" x 1/8" x 1/4"	821	Hard	A/O	Medium	22,000	10	10
881110	2" x 1/4" x 1/4"	811	Hard	A/O	Coarse	22,000	10	10
882110		821	Hard	A/O	Medium	22,000	10	10
882115	2" x 1/2" x 1/4"	821	Hard	A/O	Medium	22,000	10	10
882133	3" x 1/8" x 1/4"	821	Hard	A/O	Medium	18,000	10	10
881135	3" x 1/4" x 1/4"	811	Hard	A/O	Coarse	18,000	10	10
882135		821	Hard	A/O	Medium	18,000	10	10
881140	3" x 1/2" x 1/4"	811	Hard	A/O	Coarse	18,000	10	10
882140		821	Hard	A/O	Medium	18,000	10	10
882173	6" x 1/4" x 1/2"	821	Hard	A/O	Medium	6,000	1	10
882174	6" x 1/4" x 1"	821	Hard	A/O	Medium	6,000	1	10
882175	6" x 1/2" x 1"	821	Hard	A/O	Medium	6,000	1	4
881178	6" x 1" x 1"	811	Hard	A/O	Coarse	6,000	1	3
882178		821	Hard	A/O	Medium	6,000	1	3
TR QUICK CHANGE STYLE								
882199	2" x 1/4"	821	Hard	A/O	Medium	18,000	10	10
881197	3" x 1/8"	811	Hard	A/O	Coarse	12,000	10	10
882197		821	Hard	A/O	Medium	12,000	10	10
882198	3" x 1/4"	821	Hard	A/O	Medium	12,000	10	10

Additional sizes and TS Quick Change style are available. Call for delivery and minimums.

See page 55 for Quick Change Style holder pads.

900 Series Unitized Wheels

DEBURRING

- Removal of heavy flash and parting lines
- Deburring sharp edges to a clean radius
- Removal of coarse coated abrasives grind lines
- Removal of heavy machine tool marks

BLENDING

- Blending of pits on cast parts
- Blending and surface refinement on high Nickel Alloys
- Blending machined surfaces where wheel rigidity is necessary

PART NO.	SIZE	TYPE	DENSITY	GRAIN	GRADE	MAX. R.P.M.	MIN. PKG.	CASE QTY.
891108	2" x 1/8" x 1/4"	911	Extra Hard	A/O	Coarse	18,000	10	10
892108		921	Extra Hard	A/O	Medium	18,000	10	10
891110	2" x 1/4" x 1/4"	911	Extra Hard	A/O	Coarse	18,000	10	10
892110		921	Extra Hard	A/O	Medium	18,000	10	10
891133	3" x 1/8" x 1/4"	911	Extra Hard	A/O	Coarse	12,000	10	10
892133		921	Extra Hard	A/O	Medium	12,000	10	10
891135	3" x 1/4" x 1/4"	911	Extra Hard	A/O	Coarse	12,000	10	10
892135		921	Extra Hard	A/O	Medium	12,000	10	10
891174	6" x 1/4" x 1"	911	Extra Hard	A/O	Coarse	6,000	1	10
892174		921	Extra Hard	A/O	Medium	6,000	1	10
TS QUICK CHANGE STYLE								
891125	3" x 1/4"	911	Extra Hard	A/O	Coarse	12,000	10	10
892125		921	Extra Hard	A/O	Medium	12,000	10	10
TR QUICK CHANGE STYLE								
892197	3" x 1/8"	921	Extra Hard	A/O	Medium	12,000	10	10
891198	3" x 1/4"	911	Extra Hard	A/O	Coarse	12,000	10	10
892198		921	Extra Hard	A/O	Medium	12,000	10	10

1" through 3" Unitized Wheels consist of arbor hole with steel bushing.

Additional sizes are available. Call for delivery and minimums.

See page 55 for Quick Change Style holder pads.

Mandrels for Unitized Wheels



PART NO.	DESCRIPTION	SHANK LENGTH	SHANK DIAMETER	FOR USE WITH WHEEL DIAMETER	FOR USE WITH WHEEL THICKNESS
850034	Steel (A)	7/8"	1/4"	1"	1"
850030	Regular (B)	1 1/4"	1/4"	6"	1/2" - 1"
850029	Unitized Mandrel Combination (C)		1/4"	1 1/4" - 4"	1/8" - 1"

*Combination features 4 screws (1/8", 1/4", 1/2", 1") and 1 mandrel base.

Standard Abrasives™ Type 27 Unitized Discs

Manufactured from the highest quality Unitized material. Unique design offers material removal while imparting a final finish. Used in conjunction with, and sometimes in lieu of, a coated abrasive Resin Fiber Disc or Flap Disc. Applications include deburring, cleaning, edge breaking, final finishing, blending and polishing.



SERIES 524

- Similar to Series 532, but with extra layer for durability.
- Provides greater rigidity than Series 532, for more precise finishing applications.
- Higher cut and finishing rate than Series 532.
- Ideal for high contact pressure applications where cut rate and durability are important.

SERIES 532

- Requires light pressure for fine finishing and polishing.
- Highly conformable.
- Provides clean, bright surface finish on Stainless Steel.
- Best when run at slower speeds for fine finishes.

SERIES 632

- Requires light pressure for fine finishing and polishing.
- Highly conformable.
- Provides clean, bright surface finish on Stainless Steel.
- Great product for blending tool marks and removing surface imperfections.

SERIES 732

- Requires light pressure for blending and finishing.
- High edge durability.
- High degree of stock removal, while maintaining a bright finish.
- Smaller contact area than Series 632.

SERIES 811

- Highest stock removal and edge breaking capability.
- Most aggressive for deburring.
- Capable of replacing 80 & 120 grit coated abrasive discs.

SERIES 821

- Hard density and medium grade provides high stock removal, while maintaining disc life and productivity.
- Very durable on an edge.
- Capable of replacing 100 & 120 grit coated abrasive discs.

SERIES 822

- Rapid stock removal, while providing a clean, bright surface.
- Most effective on Stainless Steel.
- High cut rate, with long life.

PART NO.	SIZE	SERIES	DENSITY	GRADE	GRAIN	MAX. R.P.M.	MIN. PKG.	CASE QTY.
811524	4 1/2"	524	Soft	Medium	S/C Firm	10,000	5	50
811532	4 1/2"	532	Soft	Fine	S/C	10,000	5	50
811632	4 1/2"	632	Soft/Medium	Fine	S/C	10,000	5	50
811732	4 1/2"	732	Medium/Hard	Fine	S/C	10,000	5	50
811811	4 1/2"	811	Hard	Coarse	A/O	10,000	5	50
811821	4 1/2"	821	Hard	Medium	A/O	10,000	5	50
811822	4 1/2"	822	Hard	Medium	S/C	10,000	5	50

5/8-11 thread also available. Call for delivery and minimums.

Standard Abrasives™ Unitized Mounted Points

Unitized Mounted Points are made from the high durability Unitized material and are available in standard ANSI shapes for varying work piece dimensions and applications.

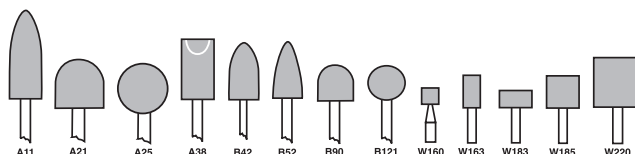
High R.P.M.: Deburring and blending

Low R.P.M.: Decorative finishing

High Speed and Low Pressure: Polishing



- Smearing greatly reduced
- Conforms to work piece; prevents undercutting, gouging or changing the work piece
- Available in Silicon Carbide; produces finer, brighter finishes than Aluminum Oxide
- Self dressing; fresh grain exposed through the life cycle
- Color-coded for quick and easy identification



PART NO.	SHAPE	SIZE	I.D. COLOR	SERIES	MAX. OPERATING SPEED	MIN. PKG.	CASE QTY.
877061	A11	7/8" x 2" x 1/4"	Black	732	19,860	5	50
877062	A11	7/8" x 2" x 1/4"	Blue	821	19,860	5	50
877011	A21	1" x 1" x 1/4"	Gold	631	34,500	5	50
877012	A21	1" x 1" x 1/4"	Light Gray	731	34,500	5	50
877013	A21	1" x 1" x 1/4"	Blue	821	34,500	5	50
877014	A21	1" x 1" x 1/4"	Dark Gray	811	34,500	5	50
877015	A21	1" x 1" x 1/4"	Red	632	34,500	5	50
877016	A21	1" x 1" x 1/4"	Black	732	34,500	5	50
877017	A25	1" x 1" x 1/4"	Blue	821	35,600	5	50
877018	A25	1" x 1" x 1/4"	Dark Gray	811	35,600	5	50
877063	A38	1" x 1" x 1/8"	Black	732	35,600	5	50
877064	A38	1" x 1" x 1/8"	Blue	821	35,600	5	50
877065	B42	1/2" x 3/4" x 1/8"	Black	732	33,750	5	50
877066	B42	1/2" x 3/4" x 1/8"	Blue	821	33,750	5	50
877000	B52	3/8" x 3/4" x 1/8"	Light Gray	731	45,300	5	50
877001	B52	3/8" x 3/4" x 1/8"	Blue	821	45,300	5	50
877002	B52	3/8" x 3/4" x 1/8"	Dark Gray	811	45,300	5	50
877003	B52	3/8" x 3/4" x 1/8"	Black	732	45,300	5	50
877038	B90	1/2" x 1/2" x 1/8"	Gold	631	34,500	5	50
877004	B90	1/2" x 1/2" x 1/8"	Light Gray	731	34,500	5	50
877005	B90	1/2" x 1/2" x 1/8"	Blue	821	34,500	5	50
877006	B90	1/2" x 1/2" x 1/8"	Dark Gray	811	34,500	5	50
877007	B90	1/2" x 1/2" x 1/8"	Black	732	34,500	5	50
877039	B121	1/2" x 1/2" x 1/8"	Red	632	45,300	5	50
877008	B121	1/2" x 1/2" x 1/8"	Light Gray	731	45,300	5	50
877009	B121	1/2" x 1/2" x 1/8"	Blue	821	45,300	5	50
877010	B121	1/2" x 1/2" x 1/8"	Dark Gray	811	45,300	5	50
877019	W160	1/4" x 1/4" x 1/8"	Blue	821	81,300	5	50
877020	W160	1/4" x 1/4" x 1/8"	Dark Gray	811	81,300	5	50
877021	W163	1/4" x 1/2" x 1/8"	Blue	821	60,000	5	50
877022	W163	1/4" x 1/2" x 1/8"	Dark Gray	811	60,000	5	50
877023	W183	1/2" x 1/4" x 1/8"	Light Gray	731	51,700	5	50
877024	W183	1/2" x 1/4" x 1/8"	Blue	821	51,700	5	50
877025	W183	1/2" x 1/4" x 1/8"	Dark Gray	811	51,700	5	50
877026	W183	1/2" x 1/4" x 1/8"	Red	632	51,700	5	50
877027	W183	1/2" x 1/4" x 1/8"	Black	732	51,700	5	50
877028	W185	1/2" x 1/2" x 1/8"	Gold	631	34,500	5	50
877029	W185	1/2" x 1/2" x 1/8"	Light Gray	731	34,500	5	50
877030	W185	1/2" x 1/2" x 1/8"	Blue	821	34,500	5	50
877031	W185	1/2" x 1/2" x 1/8"	Dark Gray	811	34,500	5	50
877032	W185	1/2" x 1/2" x 1/8"	Red	632	34,500	5	50
877033	W185	1/2" x 1/2" x 1/8"	Black	732	34,500	5	50
877034	W220	1" x 1" x 1/4"	Blue	821	25,500	5	50
877035	W220	1" x 1" x 1/4"	Dark Gray	811	25,500	5	50

Additional shapes/series combinations are available. Call for minimums and delivery.

Quick Change TR Variety Kit (QCD-V)

Part #517007

Kit includes an assortment of Standard Abrasives discs that utilize the TR system. The TR attachment style features a common nylon threaded male (screw type) hub. It easily mounts to the holder pad with a half turn, and stays securely in place for the life of the disc, providing maximum performance with safety and convenience.

QTY.	DESCRIPTION
2	2" 36, 60 & 80 Grit, Aluminum Oxide Discs
2	2" 36 & 60 Grit, Zirconia Pro Discs
2	2" 36 & 60 Grit, Ceramic Pro Discs
2	2" Coarse, Medium & Very Fine RC Surface Conditioning Discs
2	2" Coarse & Medium, High Strength Buff & Blend Discs
2	2" Cleaning Discs



Cartridge Roll Kit (CR-1)

PART NO. 714438

Kit includes products selected to cut freely, smoothly and softly, without gouging or digging into work surface. Kit includes the following Cartridge Rolls and Mandrels:

QTY.	DESCRIPTION	QTY.	DESCRIPTION
15	1/4"x1"x1/8" 80 A/O	6	3/8"x1 1/2"x1/8" 120 A/O
15	1/4"x1"x1/8" 120 A/O	6	1/2"x1"x1/8" 80 A/O
10	1/4"x1 1/2"x1/8" 80 A/O	4	1/2"x1 1/2"x1/8" 60 A/O
10	1/4"x1 1/2"x1/8" 120 A/O	4	1/2"x1 1/2"x1/8" 80 A/O
10	3/8"x1"x1/8" 80 A/O	4	1/2"x1 1/2"x1/8" 120 A/O
6	3/8"x1 1/2"x1/8" 80 A/O	1	CM8, CM9 Mandrels



Quick Change Discs A/O 2-Ply (LD-2)

PART NO. 517000

Perfect flexibility for contours, stock removal, blending, and polishing. Kit includes a variety of discs and holder pads.



Quick Change & Non-Woven Disc Variety (LDC-1)

PART NO. 517003

Value, convenience, maximum safety and durability for a variety of applications. Kit includes a variety of discs and holder pads.



Miniature Flap Wheels (FW-1)

PART NO. 610000

Includes a variety of miniature Flap Wheels for fast cutting, polishing, blending, and surface preparations on Steel, Aluminum, Rubber, Wood, and Plastics. Excellent for contoured surfaces and hard-to-reach areas.



Mini Laminated Disc Kit (LD-S2)

Part #510006

QTY.	DESCRIPTION
3	2" 36 & 80 Grit, A/O Pro 2 ply, A/O 2 ply, S/C 2 ply, A/O Extra 2 ply
3	2" 36 & 60 Grit, Zirconia Pro 2 ply, Zirconia 2 ply, Ceramic 2 ply, Ceramic Pro 2 Ply
1	SM2 TA4 Holder Pad
1	6"x9" General Purpose Hand Pad

Mini Cross Buff Kit (CB-2)

Part #800025

QTY.	DESCRIPTION
2	1 1/2" 2 ply, 8-32, Very Fine A/O
2	1 1/2" 2 ply, 8-32, Medium A/O
2	1 1/2" 2 ply, 8-32, Very Fine S/C
2	1 1/2" 3 ply, 8-32, Very Fine A/O
2	1 1/2" 3 ply, 8-32, Medium A/O
1	TM-3 Mandrel
1	6"x9" General Purpose Hand Pad

Mini Track Cleaning Kit

Part #810005

QTY.	DESCRIPTION
10	3/4" 60 A/O 2 ply
10	3/4" 120 A/O 2 ply
5	3/4" Very Fine FE Surface Conditioning & Deburring
5	1" Coarse, Medium & Very Fine, FE Surface Conditioning & Deburring
5	1" Very Fine & Medium GP Buff & Blend
1	Track Mandrel*
1	6"x9" General Purpose Hand Pad

*541034 – Mini Track Mandrel

Edge Pro TR (Lockit) Promo Kit (EP-2)

Part #800016

QTY.	DESCRIPTION
1	2" Coarse, Edge Pro Surface Conditioning Disc
2	2" Medium, Edge Pro Surface Conditioning Discs
1	2" Very Fine, Edge Pro Surface Conditioning Disc
1	2" Back Up Pad

Hook & Loop Glove Kit

Part #800805 (Medium)

Part #800800 (Large)

QTY.	DESCRIPTION
1	Terry-style Glove (can be worn left or right hand)
1	4" x 5" Hook and Loop Swatch*
1	6"x9" General Purpose Hand Pad

*800802 – Replacement 4" x 5" Hook and Loop Swatch

Surface Conditioning Mini FE Disc Kit (BR-4)

Part #800001

QTY.	DESCRIPTION
2	2" Coarse, Medium & Very Fine FE Surface Conditioning & Deburring Disc
2	2" Very Fine & Medium GP Buff & Blend
1	SM2 TA4 Holder Pad
1	6"x9" General Purpose Hand Pad

Unitized Wheel Variety Kit (UW-1)

Part #800030

QTY.	DESCRIPTION	QTY.	DESCRIPTION
1	3"x1/4"x1/4" 524	1	3"x1/4"x1/4" 811
1	3"x1/4"x1/4" 532	1	3"x1/4"x1/4" 821
1	3"x1/4"x1/4" 632	1	3"x1/4"x1/4" 911
1	3"x1/4"x1/4" 731	1	3"x1/4"x1/4" 921
1	Mandrel		
1	6"x9" General Purpose Hand Pad		

Unitized Mounted Points (UMP-1)

Part #800031

QTY.	DESCRIPTION	QTY.	DESCRIPTION
1	B90 1/8" Shank	631	Fine A/O
1	B52 1/8" Shank	731	Fine A/O
1	W183 1/8" Shank	821	Medium A/O
1	W163 1/8" Shank	811	Coarse A/O
1	B121 1/8" Shank	632	Fine S/C
1	W160 1/8" Shank	732	Fine S/C

Paint & Anodized Removal Tools Kit (P.A.R.T.)

Part #800076

QTY.	DESCRIPTION
20	5/8" x 3/32" #30 GP Surface Conditioning Medium Discs
20	5/8" x 1/8" #21 GP Surface Conditioning Medium Discs
20	5/8" x 5/32" #10 GP Surface Conditioning Medium Discs
20	5/8" x 1/16" #30 GP Buff & Blend Fine Discs
20	5/8" x 5/64" #21 GP Buff & Blend Fine Discs
20	5/8" x 3/32" #10 GP Buff & Blend Fine Discs
1	1/8" Pin x 1/4" Shank #30 P.A.R.T. Mandrel
1	5/32" Pin x 1/4" Shank #21 P.A.R.T. Mandrel
1	3/16" Pin x 1/4" Shank #10 P.A.R.T. Mandrel
1	6" x 9" General Purpose Hand Pad

Individual items also sold separately. See page 32 for GP Surface Conditioning Discs, page 39 for GP Buff & Blend Discs, and page 32 and 39 for P.A.R.T. Mandrels.

COMPETITOR CROSS-OVER COMPARISON CHART

Standard Abrasives	Merit	Norton	Arc	Superior	Carborundum
ATTACHMENTS					
TS (SocAtt) - Metal	Power Lock Type II	Speed - Lok TS	Type S	Type "S"	Flex-Loc TS
TR (Lockit) - Plastic	Power Lock Type III	Speed - Lok TR	Type R	Type "R"	Flex-Loc TR
TP (Clickon) - Plastic	Power Lock Type I	Speed - Lok TP	Type P	-	-
QUICK CHANGE DISCS					
A/O	A/O	Metalite R228	AO/X	Premium A/O	A/O
A/O Pro	A/O	-	AO/Y	Rigid Kut A/O	-
A/O Extra	A/O Plus	-	AO/X Plus	A/O Grinding Aid	-
S/C	S/C	R422	S/C	S/C	-
Zirconia	Zirc	Norzon 821	ZA	Premium Zirc	-
Zirconia Pro	Zirc Plus R801 / R203	R801	ZA/Y Plus	Zirc Grinding Aid	Premier Red Zirconia
Ceramic	Ceramic Blend	SG R981	Ceramic	Ceramic G.A.	Medalist Ceramic w/Grinding Aid
Ceramic Pro	Ultra Ceramic Plus	SG Blaze R980	-	-	-
RESIN FIBER					
A/O	A/O	Gemini F226	-	Premium A/O	A/O
A/O Extra	-	-	AO Plus	-	Cora A/O with Grinding Aid
Zirconia	Z/A	NorZon Plus F826	ZA Plus	Premium Zirc	Premier Red Zirconia
Ceramic	C/O	SG Blaze F980 / GreenLyte F986	Ceramic	Ceramic G.A.	Medalist Ceramic
A/O	A/O	-	AO Plus	Aluminum Oxide	A/O
Z/A	Merit Z/A	ZA	Zirconia Alumina	Premier Red Zirconia	DLF Zirconium
Z/A Plus	Z/A Plus R801	Charger Z/A	ZA Plus	Zirconia G.A.	-
C/O	Ultra Ceramic Plus	SG Blaze R980	-	-	-
FLAP WHEELS					
A/O	A/O Grind-O-Flex	A/O R265	AO Standard	A/O	A/O
A/O Flexible	A/O Super Finish Grind-O-Flex	-	AO Premium	-	-
SPECIALTIES					
A/O	A/O	A/O R228	AO	A/O	-
S/C	S/C	-	-	-	-
Z/A	-	-	-	-	-
C/O	C/O	SG Blaze R980	-	-	-
PSA					
A/O	A/O	R228	AO X-Weight	A/O	A/O
Zirconia Pro	Zirconia Plus	R821	ZA Y - Weight	Zirc G.A.	-
HANDY ROLLS					
A/O	A/O	A/O K225 & K227	AO	A/O	A/O
CUT-OFF WHEELS					
A/O	-	Gemini	Reinforced Cut-Off Wheels	Cut-Off Wheels	A/O
C/O	-	NorZon Plus	-	-	Premier Red
SURFACE CONDITIONING DISCS					
Rapid Cut	Surface Prep XC	SCF - NP	ZK	CC	LP
FE Surface Prep AG	STE & SCF	ZK Heavy	FD	HP	Heavy Duty CRS & MED
GP Surface Prep GD	-	-	GD	GD	-
SURFACE CONDITIONING BELTS					
Rapid Cut	Abrasotex Belts	SCF - NP	ZK	Flex Belts A/O	LP
FE AG Belts	STE & SCF	ZK Heavy	-	HP	Low Stretch
BUFF & BLEND					
High Strength A/O Coarse	-	-	-	HD A/O CRS	-
High Strength A/O Medium	High-Strength Buffing Discs Medium	High Strength A/O Medium	-	HS A/O MED	HS MED
High Strength A/O Very Fine	High-Strength Buffing Discs Very Fine	High Strength A/O Very Fine	-	HS A/O VFN	HS VFN
GP A/O Medium	Buffing Discs A/O Medium	Clean & Finish A/O M	Finishing Discs A MED	HD A/O MED	-
GP S/C Medium	-	Clean & Finish S/C M	-	HD S/C MED	-
GP A/O Fine	Buffing Discs A/O Fine	Clean & Finish A/O F	Finishing Discs A FINE	HD A/O FINE	-
GP A/O Very Fine	Buffing Discs A/O Very Fine	Clean & Finish A/O VF	Finishing Discs A VFN	HD A/O VFN	-
GP S/C Very Fine	-	Clean & Finish S/C M	-	HD S/C VFN	-
HP A/O Very Fine	-	-	-	-	-
AP A/O Medium	-	Fast Cut Tan A/O M	-	-	-
CONVOLUTE WHEELS					
GP Plus 11SF	-	Series 4000 9SF	-	-	-
GP Plus 10SF	-	Series 1000 Long Life 9SF	-	XE Deburring 10SF	Heavy Deburring 9-FS
GP Plus 9SF	Deburring & Finishing 9SF	Series 2000 8SF	9S FIN	Deburring 9SF	Deburr & Finish 9-FS
GP Plus 8AM	-	Series 1000 Long Life 8AM	-	Deburring 8AM	Deburr & Finish 8-MA
GP Plus 8SF	Deburring & Finishing 8SF	Series 1000 Long Life 8SF	8S FIN	Deburring 8SF	Deburr & Finish 8-FS
LDW 8SF	-	Series 1000 8SF	-	-	-
LDW 7SF	Deburring & Finishing 7SF	Series 1000 7SF	7S FIN	Light Deburring 7SF	Deburr & Finish 7-FS
LDW 6SF	Deburring & Finishing 6SF	Series 1000 6SF	-	Light Deburring 6SF	Deburr & Finish 6-FS
Metal Finishing 4AM	-	Metal Finishing 4AM	-	-	-
Metal Finishing 5AM	-	Metal Finishing 5AM	-	Metal Finishing 6AM	Metal Finishing 5-MA
Metal Finishing 6AM	-	Metal Finishing 6AM	-	-	-
Multi Finish 2SM	-	Surface Finish Medium S/C	-	Multi Cleaning 5SM	-
Multi Finish 2SCRS	-	Surface Finish Coarse S/C	-	Multi Cleaning 5ACRS	-
Final Finish Med S/C Med	Clean & Finish SMED	Clean & Finish Med S/C Med	-	-	Clean & Finish MED S/C
UNITIZED WHEELS					
521	NEX-2AM	-	XL 2AM	CFX-2MA	BUH 2A M
532 & 524 2SF	NEX-2SF	2S FIN	XL 2SF	CFX-2FS	BUH 2S F
631 4AF	NEX-4AF	-	-	CFX-4FA	-
632 4SF	NEX-4SF	-	-	CFX-4FS	BUH 3S F
731 6AM	NEX-6AF	-	XL 6AM	CFX-6FA	BUH 6A M
732 6SF	NEX-6SF	-	XL 6SF	CFX-6FS	BUH 6S F
811 8ACRS	NEX-8AC	8A CRS	XL 8AC	CFX-8CA	BUH 8A C
821 8AM	NEX-8AM	8A MED	XL 8AM	CFX-8MA	-
911	-	-	-	-	-
921	-	-	-	-	-
CLEANING DISC					
Cleaning Disc	PowerStrip	Rapid Strip S/C Extra Coarse	ARC Strip	Striping Discs	Surface Strip
Cleaning Disc Pro	-	-	ARC Strip Red Extra Duty	-	-
HAND PADS					
General Purpose	General Purpose	#747 General Purpose	A VERY FINE	General Purpose A/O	747 General Purpose Pad
Heavy Duty	Heavy Duty	#740 Heavy Duty	A MEDIUM	Heavy Duty A/O	740 Heavy Duty Pad
Ultra Fine	Super Finishing	#748 Final Shine	S ULTRA FINE	Ultra Fine A/O	748 Final Shine Pad
Cleaning	White	#456 Light Duty Cleaning	Non -abrasive White	Cleaning - Non Abrasive	456 Light Duty Cleaning Pad
Industrial	General Purpose Scouring	#796 Scouring	Green Heavy Duty	Industrial Scouring	796 Scouring Pad
Commercial	-	#696 Food Pro	Green General Purpose	-	-
FLAP BRUSHES					
Hard A/O Med	-	Hard A/O Med	-	A/O MED	Hard A/O Med
Hard A/O VFN	-	Hard A/O VFN	-	A/O VFN	Hard A/O VFN
Med A/O Med	-	Med A/O Med	-	A/O MED	Med A/O Med
Med A/O VFN	-	Med A/O VFN	-	A/O VFN	Med A/O VFN
Hard A/O High Strength Coarse	-	-	-	-	-
Hard A/O High Strength Med.	-	Hard A/O High Strength Medium	-	HS A/O MED	Hard A/O High Strength Med.
Med A/O High Strgth. Med. Type F	-	-	-	-	-
COMBI WHEELS					
Mandrel Mounted Combi Wheels Interleafed Mandrel Mounted	-	Interleafed Flap Wheels	Interleafed Mounted Flap Wheels	MTD. Duplex Flap Wheels	Interleaf Wheels
MANDREL MOUNTED FLAP BRUSHES					
Mandrel Mounted Flap Brushes	Bear-tex Flap Wheels	Nonwoven Mounted Flap Wheels	Mtd. Satin Flap Brushes	Non Woven Flap Wheels	RGB Non Woven Wheels

SAFETY WARNING—Coated Abrasives are cutting tools and most of them are affixed to a drive member (holder pads, rubber drum, mandrel, etc.) and rotated at high speeds with a power tool. They should not be operated at higher than safe operating speeds. When using coated abrasives, safety glasses and gloves should be worn. Protective clothing may be required for continuous high speed grinding operations.

PRODUCT USE—All statements, technical information and recommendations contained in this document are based upon tests or experience that seller believes are reliable. However, many factors beyond seller's control can effect the use and performance of a seller's product in a particular application, including the conditions under which the product is used and the time and environments conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the seller's product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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