



SA **STANDARD
ABRASIVES™**

**Coated, Non-Woven and Bonded
Product Catalog and Reference Guide**

Table of Contents

Coated Abrasives

Quick Change Discs	3–7	Flap Wheels	14–15
Aluminum Oxide	4–5	Flexible Flap Wheels	16
Silicon Carbide	5	Cartridge Rolls	17–19
Zirconia Pro	6	Precision Cartridge Rolls	20
Ceramic Oxide	6–7	Tapered Cone Points	20
Small Diameter	7	Spiral Bands	21
PSA Discs	8	Abrasive Square Pads	22
File Belts	9	Abrasive Cross Pads	23
Resin Fiber Discs	10–11	Handy Rolls	24
Flap Discs	12–13		

Bonded Abrasives

General Purpose Aluminum Oxide Cut-Off Wheels	25	High Performance Ceramic Cut-Off Wheels	25
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Non-Woven Abrasives

Surface Conditioning Products	26–32	Hand Pads and Holder	44–45
Discs	27–29	Cleaning Discs	46
Stars	30	Convolute Wheels	47–50
Belts	30–31	GP Plus	48
Bands	32	Metal Finishing	48
Bristle Discs	32	Multi-Finish	49
Buff & Blend Products	33–43	General Purpose	49
GP Discs	34	Deburring	50
High Strength (HS) Discs	35–37	LDW (Light Deburring)	50
HP Discs	37	Unitized Wheels	51–59
AP Discs	37	500 Series	52–53
Wheels	38	600 Series	54
Circle Buffs	39	700 Series	55–56
Combi-Wheels	39	800 Series	57–58
Flap Brushes	40–41	900 Series	58–59
Cross Buffs	42	Type 27 Unitized Discs	60
Combi Cross Buffs	43	Unitized Mounted Points	61–62
Rolls	43	Kits and Mini Kits	62
Felt Polishing Discs	38		

Hardware

Holder Pads, Pad Mandrels and Pad Adapters	63–64	Rubber Drums for Spiral Bands and Surface Conditioning Bands	66
Flap Wheel Adapter	64	Mandrels for Abrasive Pads, Stars, Circle Buffs and Cross Buffs	66
Mandrels for Cartridge Rolls	65	Mandrels for P.A.R.T. Discs	66
Mandrels for Unitized Wheels	65		

Index Listings

Part Number Index	67–72	UPC Index	73–78
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Standard Abrasives™ Quick Change Discs

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.

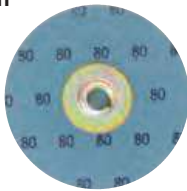
Variety of Abrasive Grains

Standard Abrasives Quick Change Discs 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 Extra** – High stock removal on difficult to grind and heat-sensitive metals.
- **Silicon Carbide** – Sharp cutting points provide rapid cutting action; best on non-ferrous metals.
- **Zirconia Pro** – Cool running on stainless for extended stock removal; best performance when medium to heavy pressure is applied; very durable.
- **Ceramic** – Cool cutting action reduces loading risk and discoloration, best on stainless and high nickel alloys.
- **Ceramic Pro** – Great stock removal on flat surfaces; best on flat and contoured surfaces.
- **A/O Resin Fiber** – General purpose disc for weld removal, grinding and blending; resin bond Aluminum Oxide provides durability and aggressive stock removal.
- **Zirconia Resin Fiber** – General purpose for use on a wide variety of metals; good option for both stainless and mild steel applications.

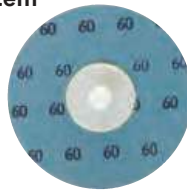
Quick Change TS System

remains one of the most popular styles for safety, productivity and fast disc changes. Change discs by simply twisting to unlock the disc from the holder pad.



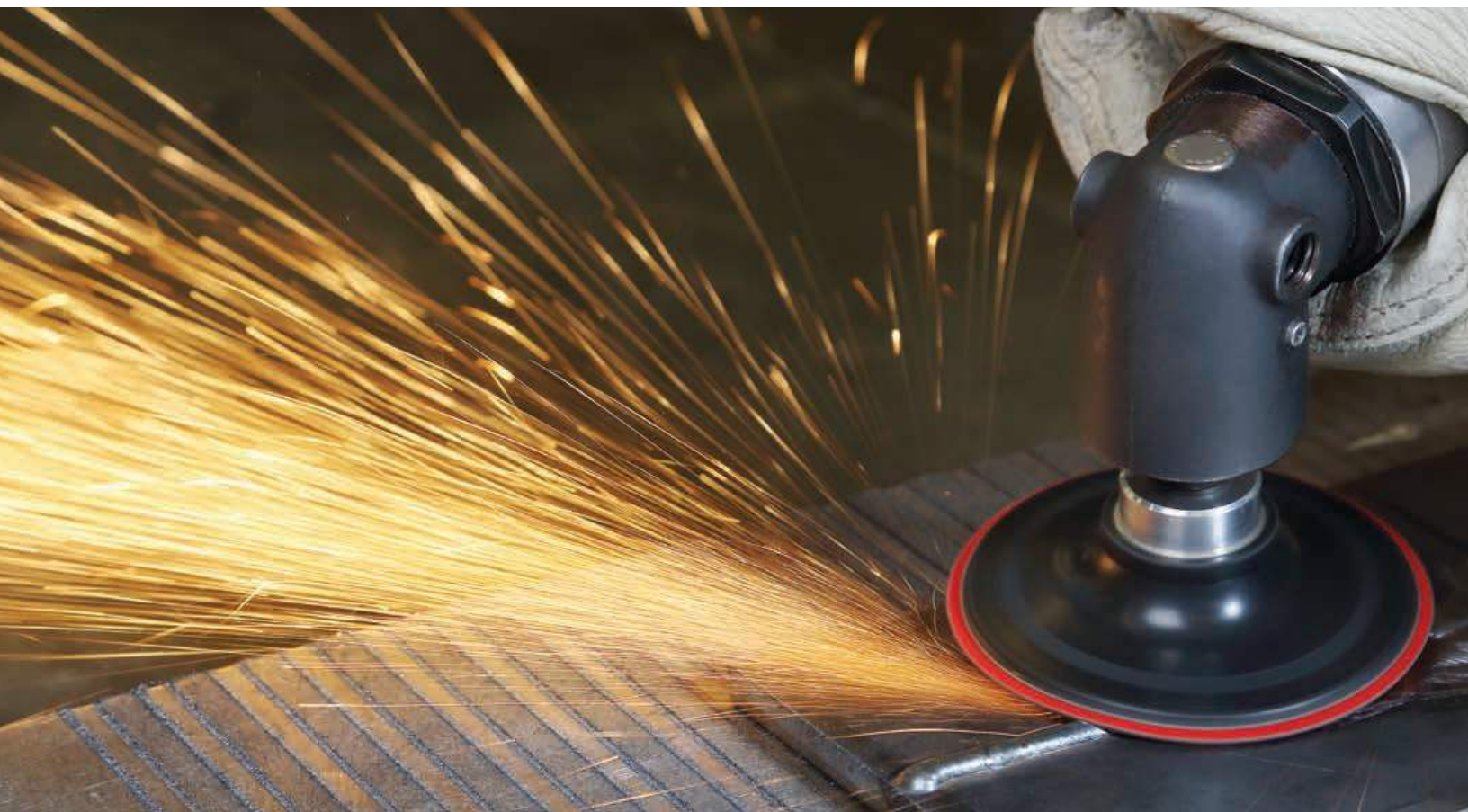
Quick Change TR System

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



Quick Change TP System

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 Resin Fiber	Zirconia Resin Fiber
	A/O	A/O Extra	Silicon Carbide	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	Low	Low	Medium-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 and finishing on ferrous metals



Grade	3/4"		1"		1-1/2"		2"		3"		4"
	TS	TR	TS	TR	TS	TR	TS	TR	TS	TR	TS
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
24	522101	522201	592201		522301	592301	522401	592401	522501	592501	522601
	051115-34487-9	051115-34492-3	051115-34516-6		051115-32562-5	051115-34523-4	051115-32578-6	051115-32738-4	051115-32588-5	051115-32750-6	051115-34494-7
36	522102	522202	592202		522302	592302	522402	592402	522502	592502	522602
	051115-34488-6	051115-32545-8	051115-32723-0		051115-34493-0	051115-34524-1	051115-32408-6	051115-32739-1	051115-32418-5	051115-32751-3	051115-34495-4
40	522103	522203	592203		522303	592303	522403	592403	522503	592503	522603
	051115-32538-0	051115-32546-5	051115-34517-3		051115-32563-2	051115-34525-8	051115-32409-3	051115-32740-7	051115-32589-2	051115-32752-0	051115-34496-1
50	522104	522204	592204		522304	592304	522404	592404	522504	592504	—
	051115-32539-7	051115-32547-2	051115-34518-0		051115-32564-9	051115-34526-5	051115-32410-9	051115-32741-4	051115-32419-2	051115-32753-7	—
60	522105	522205	592205		522305	592305	522405	592405	522505	592505	522605
	051115-32540-3	051115-32402-4	051115-32724-7		051115-32405-5	051115-32731-5	051115-32411-6	051115-32742-1	051115-32420-8	051115-34535-7	051115-34498-5
80	522106	522206	592206		522306	592306	522406	592406	522506	592506	522606
	051115-32400-0	051115-32403-1	051115-34519-7		051115-32406-2	051115-32732-2	051115-32412-3	051115-32424-6	051115-32421-5	051115-32754-4	051115-34499-2
100	522107	522207	592207		522307	592307	522407	592407	522507	592507	522607
	051115-34489-3	051115-32548-9	051115-32725-4		051115-32565-6	051115-34527-2	051115-32413-0	051115-32743-8	051115-32590-8	051115-32755-1	051115-34500-5
120	522108	522208	592208		522308	592308	522408	592408	522508	592508	522608
	051115-32401-7	051115-32404-8	051115-32726-1		051115-32407-9	051115-34528-9	051115-32414-7	051115-32425-3	051115-32422-2	051115-32756-8	051115-34501-2
150	522109	522209	—		522309	592309	522409	592409	522509	592509	—
	051115-34490-9	051115-32549-6	—		051115-32566-3	051115-34529-6	051115-32415-4	051115-34533-3	051115-32591-5	051115-34536-4	—
180	522110	522210	592210		522310	592310	522410	592410	522510	592510	522610
	051115-34491-6	051115-32550-2	051115-34520-3		051115-32567-0	051115-34530-2	051115-32416-1	051115-32744-5	051115-32423-9	051115-34537-1	051115-34502-9
240	522111	522211	592211		522311	592311	522411	592411	522511	592511	—
	051115-32541-0	051115-32551-9	051115-34521-0		051115-32568-7	051115-34531-9	051115-32417-8	051115-34534-0	051115-32592-2	051115-32757-5	—
320	522112	522212	592212		522312	592312	522412	592412	522512	592512	—
	051115-32542-7	051115-32552-6	051115-34522-7		051115-32569-4	051115-34532-6	051115-32579-3	051115-32745-2	051115-32593-9	051115-34538-8	—
Min. Pkg.	50	50	50		50	50	50	50	50	50	25
Case Qty.	200	200	200		200	200	200	200	200	200	250

4" and 5" sizes available. Also available in TP style attachment. Call for delivery and minimums. See page 63 for holder pads.

Quick Change Aluminum Oxide Discs (cont.)

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 and heat-sensitive metal
- Includes grinding aid



Grade	3/4"			1"		1-1/2"		2"		2" with 4 Vacuum Holes		3"	
	TS	TS	TR	TS	TR	TS	TR	TS	TR	TS	TR	TS	TR
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
36	522152	522252	592252	522352	592352	522452	592452	—	594452	522552	592552	—	—
	051115-42213-3	051115-32558-8	051115-32436-9	051115-32573-1	051115-32729-2	051115-32429-1	051115-34599-9	—	051115-34594-4	051115-32435-2	051115-32760-5	—	—
40	—	522253	—	522353	—	522453	592453	—	—	522553**	592553**	—	—
	—	051115-32543-4	—	051115-32730-8	—	051115-34596-8	051115-34595-1	—	—	051115-32598-4	051115-34605-7	—	—
50	522154	522254	592254	—	—	522454	592454	—	—	522554	592554	—	—
	051115-34634-7	051115-32587-8	051115-32574-8	—	—	051115-32430-7	051115-32749-0	—	—	051115-35097-9	051115-34606-4	—	—
60	522155	522255	592255	522355	592355	522455	592455	—	594455	522555	592555	—	—
	051115-42214-0	051115-32426-0	051115-32612-7	051115-32427-7	051115-32735-3	051115-32431-4	051115-34601-9	—	051115-34600-2	051115-32537-6	051115-34607-1	—	—
80	522156	522256	592256	522356	592356*	522456	592456	524456	594456	522556	592556	—	—
	051115-32544-1	051115-32559-5	051115-32626-4	051115-32428-4	051115-32736-0	051115-32432-1	051115-34602-6	051115-34632-3	051115-34635-4	051115-32438-3	051115-34608-8	—	—
100	522157	522257	—	522357	—	522457	592457*	—	—	522557	592557**	—	—
	051115-42215-7	051115-32560-1	—	051115-32576-2	—	051115-32433-8	051115-34603-3	—	—	051115-32599-1	051115-34609-5	—	—
120	522158	522258	592258	522358	592358*	522458	592458	—	594458	522558	592558	—	—
	051115-34636-1	051115-32561-8	051115-32728-5	051115-32577-9	051115-32737-7	051115-32434-5	051115-34604-0	—	051115-34637-8	051115-32600-4	051115-34610-1	—	—
Min. Pkg.	50	50	50	50	50	50	50	50	50	50	50	50	50
Case Qty.	200	200	200	200	200	200	200	200	200	200	200	200	200

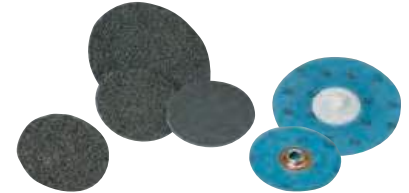
*Min. Pkg. 100; Case Qty. 1000 **Min. Pkg. 50; Case Qty. 500

Also available in TP style attachment. Call for delivery and minimums.
See page 63 for holder pads.

Quick Change Silicon Carbide Discs

Quick Change Silicon Carbide Discs, 2 Ply

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



Grade	1"		1-1/2"		2"		3"	
	TS	TR	TS	TR	TS	TR	TS	TR
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
36	522214	592214	522314*	592314	522414	592414	522514	592514
	051115-34781-8	051115-34549-4	051115-34789-4	051115-34557-9	051115-34799-3	051115-34567-8	051115-34806-8	051115-34578-4
40	522215	592215	522315	592315	522415*	592415	522515	592515
	051115-34782-5	051115-34550-0	051115-34790-0	051115-34558-6	051115-34800-6	051115-34568-5	051141-43517-6	051115-34579-1
50	—	592216	—	592316	522416	592416	522516	592516
	—	051115-34551-7	—	051115-34559-3	051141-43487-2	051115-34569-2	051115-34807-5	051115-34580-7
60	522217	592217	522317	592317**	522417	592417**	522517	592517
	051115-43488-9	051115-34552-4	051141-43489-6	051141-43491-9	051141-43490-2	051115-34570-8	051141-43492-6	051115-34581-4
80	522218	—	522318	592318***	522418	592418***	522518	—
	051115-34783-2	—	051115-34792-4	051115-34561-6	051115-32582-3	051115-34571-5	051115-34809-9	—
100	522219	—	522319	—	522419	592419***	522519	—
	051115-34784-9	—	051115-34793-1	—	051115-32583-0	051115-34572-2	051115-34810-5	—
120	522220	—	522320	—	522420	592420	522520	—
	051115-34785-6	—	051115-34794-8	—	051115-34801-3	051115-34573-9	051115-34811-2	—
180	522222	—	522322*	—	522422	592422	522522	592522
	051141-53499-2	—	051141-53502-9	—	051141-53504-3	051141-53492-3	051141-53506-7	051141-53495-4
240	522223	592223	522323*	592323	522423	592423**	522523	592523
	051141-53500-5	051141-53488-6	051141-53503-6	051141-53490-9	051141-53505-0	051141-53493-0	051141-53507-4	051141-53496-1
Min. Pkg.	100	100	50	100	50	100	50	50
Case Qty.	200	200	200	200	200	200	200	200

*Min. Pkg. 100; Case Qty. 200 **Min. Pkg. 50; Case Qty. 200 ***Min. Pkg. 100; Case Qty. 1000

4" and 5" sizes available. Also available in TP style attachment. Call for delivery and minimums.
See page 63 for holder pads.

Quick Change Zirconia Pro Discs

Quick Change Zirconia Pro Discs, 2 Ply

- Better choice for rapid stock removal on Stainless Steel, High Nickel Alloys and Aluminum
- Features a grinding aid on a Y-weight backing
- Best performance under medium-to-heavy pressure



Grade	1"		1-1/2"		2"		3"	
	TS	TR	TS	TR	TS	TR	TS	TR
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
36	528222*	598222	528322	598322	528422	598422	528522	598522
	051115-32627-1	051115-34822-8	051115-33632-2	051115-34826-6	051115-32439-0	051115-32768-1	051115-32444-4	051115-34834-1
40	528223*	—	528323	598323*	528423	598423	528523	598523
	051115-32628-8	—	051115-34919-5	051115-34827-3	051115-32636-3	051115-34832-7	051115-34924-9	051115-34835-8
50	528224*	598224*	528324	598324	528424	598424	528524	598524
	051115-32629-5	051115-34823-5	051115-34920-1	051115-34828-0	051115-32440-6	051115-32769-8	051115-32445-1	051115-32773-5
60	528225	598225*	528325	598325	528425	598425	528525	598525
	051115-32630-1	051115-34824-2	051115-32634-9	051115-34829-7	051115-32441-3	051115-32770-4	051115-32637-0	051115-34836-5
80	528226	598226*	528326	598326	528426	598426	528526	598526
	051115-32631-8	051115-32767-4	051115-32635-6	051115-34830-3	051115-32442-0	051115-32771-1	051115-32638-7	051115-32774-2
100	—	—	—	—	528427	—	528527	—
	—	—	—	—	051115-34923-2	—	051115-34925-6	—
120	528228	598228	528328	598328	528428	598428	528528	598528
	051115-32632-5	051115-34825-9	051115-34922-5	051115-34831-0	051115-32443-7	051115-32772-8	051115-32446-8	051115-34838-9
Min. Pkg.	50	50	50	50	50	50	50	50
Case Qty.	200	200	200	200	200	200	200	200

*Min. Pkg. 100; Case Qty. 1000

4" and 5" sizes available. Also available in TP style attachment. Call for delivery and minimums. See page 63 for holder pads.

Quick Change Ceramic Oxide Discs

Quick Change Ceramic Discs, 2 Ply

- Best choice for rapid stock removal on Stainless Steel and High Nickel Alloys
- Features a grinding aid for cooler operation
- Heavy pressure required



Grade	1"		1-1/2"		2"		3"	
	TS	TR	TS	TR	TS	TR	TS	TR
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
36	525212	—	525312	595312*	525412	595412	525512	595512
	051115-35036-8	—	051115-35042-9	051115-35057-3	051115-32459-8	051115-35062-7	051115-35048-1	051115-35066-5
50	525214	—	525314	595314	525414	595414	525514	595514
	051115-35037-5	—	051115-32620-2	051115-35058-0	051115-35045-0	051115-35063-4	051115-35049-8	051115-35067-2
60	525215*	—	525315	595315	525415	595415	525515	595515
	051115-35038-2	—	051115-32621-9	051115-35059-7	051115-32623-3	051115-32765-0	051115-32625-7	051115-35068-9
80	525216	595216	525316	595316	525416	595416	525516	595516
	051115-35039-9	051115-35054-2	051115-32622-6	051115-35060-3	051115-32624-0	051115-35064-1	051115-35050-4	051115-35069-6
100	—	—	525317*	—	525417	—	525517	595517
	—	—	051115-35043-6	—	051115-35046-7	—	051115-35051-1	051115-35070-2
120	525218	595218*	525318	595318	525418	595418	525518	595518
	051115-35041-2	051115-35056-6	051115-35044-3	051115-35061-0	051115-35047-4	051115-32766-7	051115-35052-8	051115-35071-9
Min. Pkg.	50	50	50	50	50	50	50	50
Case Qty.	200	200	200	200	200	200	200	200

*Min. Pkg. 100; Case Qty. 1000

Also available in TP style attachment. Call for delivery and minimums. See page 63 for holder pads.

Quick Change Ceramic Oxide Discs (cont.)

Quick Change Ceramic Pro Discs, 2 Ply

- Our fastest cutting Quick Change Disc
- Best choice for rapid stock removal on Stainless Steel, High Nickel Alloys and Aluminum
- Great stock removal on flat surfaces
- Features a grinding aid for cooler operation



Grade	1-1/2"		2"		3"		4"	
	TS	TR	TS	TR	TS	TR	TS	TR
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
40	527313	597313	527413	597413	527513	597513	527613	597613
	051141-43654-8	076308-63635-7	076308-63623-4	076308-63639-5	076308-63627-2	076308-63643-2	076308-63631-9	076308-63647-0
60	527315	597315	527415	597415	527515	597515	527615	597615
	076308-63620-3	076308-63636-4	076308-63624-1	076308-63640-1	076308-63628-9	076308-63644-9	076308-63632-6	076308-63648-7
80	527316	597316	527416	597416	527516	597516	527616	597616
	076308-63621-0	076308-63637-1	076308-63625-8	076308-63641-8	076308-63629-6	076308-63645-6	076308-63633-3	076308-63649-4
120	527318	597318	527418	597418	527518	597518	527618	597618
	076308-63622-7	076308-63638-8	076308-63626-5	076308-63642-5	076308-63630-2	076308-63646-3	076308-63634-0	076308-63650-0
Min. Pkg.	50	50	50	50	50	50	25	25
Case Qty.	200	200	200	200	200	200	100	100

5" sizes available. Also available in TP style attachment. Call for delivery and minimums.
See page 63 for holder pads.

Small Diameter Quick Change Fiber Discs

Quick Change A/O Resin Fiber Discs

Constructed using a quality Aluminum Oxide mineral.

- Firm resin fiber backing increases contact pressure
- Good value general purpose disc for weld removal, grinding and blending
- Resin bond Aluminum Oxide provides durability and aggressive stock removal



Grade	2"		3"
	TS	TR	TS
	Part # UPC	Part # UPC	Part # UPC
36	525402	595402	525502
	051115-35075-7	051115-35091-7	051115-35079-5
60	525405	595405	525505
	051115-35077-1	051115-35092-4	051115-35080-1
80	525406	—	525506
	051115-35078-8	—	051115-35081-8
Min. Pkg.	100	100	50
Case Qty.	1000	1000	500

See page 63 for holder pads.

Quick Change Zirconia Resin Fiber Discs

Alumina Zirconia disc constructed on a fiber backing.

Provides a good option for both stainless and mild steel applications.

- Firm resin fiber backing increases contact pressure
- Good value general purpose disc
- Versatile for use on a wide variety of metals



Grade	2"		3"	
	TS	TR	TS	TR
	Part # UPC	Part # UPC	Part # UPC	Part # UPC
36	525492	595492	525592	595592
	051141-53743-6	051141-53742-9	051141-53751-1	051141-53750-4
50	525494	595494	525594	595594
	051141-53749-8	051141-53748-1	051141-53757-3	051141-53756-6
60	525495	595495	525595	595595
	051141-53745-0	051141-53744-3	051141-53753-5	051141-53752-8
80	525496	595496	525596	—
	051141-53747-4	051141-53746-7	051141-53755-9	—
Min. Pkg.	100	100	50	50
Case Qty.	1000	1000	500	500

See page 63 for holder pads.

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

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

Grade	4"	5"	6"	8"	9"	10"	12"	16"	20"	24"
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
36	702484	701412*	704948	713907	713983	713377	709823	713255	706830	—
	051115-32871-8	051115-37338-1	051115-37348-0	051115-37358-9	051115-37363-3	051115-37370-1	051115-37377-0	051115-37392-3	051115-37400-5	—
40	—	712123	702639	—	—	—	707505	713566	704474	709469
	—	051115-37339-8	051115-32873-2	—	—	—	051115-37378-7	051115-32980-7	051115-37401-2	051115-37411-1
50	—	706242	709739	713313	—	—	701616	713155	711613	703612
	—	051115-37365-7	051115-37349-7	051115-32979-1	—	—	051115-37379-4	051115-37393-0	051115-37402-9	051115-37412-8
60	701351	700346	703857	713066	713088	713079	708751	713312	705752	—
	051115-32855-8	051115-32836-7	051115-32880-0	051115-32965-4	051115-37366-4	051115-37372-5	051115-32926-5	051115-32978-4	051115-37403-6	—
80	702701	701657	705169	713062	713059	713987	710056	713158	707045	—
	051115-37335-0	051115-37341-1	051115-32891-6	051115-32963-0	051115-37367-1	051115-37373-2	051115-32934-0	051115-32968-5	051115-37404-3	—
100	712248	707246	—	713511	713152	—	—	—	—	—
	051115-37336-7	051115-37342-8	—	051115-37360-2	051115-37368-8	—	—	—	—	—
120	—	708503	708027	713063	714855	714680	700811	715984	—	—
	—	051115-37343-5	051115-32920-3	051115-32964-7	051115-37369-5	051115-37375-6	051115-37380-0	051115-37394-7	—	—
180	704341	712374	711853	714863	—	—	704680	—	719648	—
	051115-42246-1	051115-37344-2	051115-32952-4	051115-37361-9	—	—	051115-37381-7	—	051115-37407-4	—
240	708186	703197	702743	716087	—	—	708512	—	—	—
	051115-37337-4	051115-37345-9	051115-37351-0	051115-37362-6	—	—	051115-37382-4	—	—	—
400	—	722624	—	—	—	—	—	—	—	—
	—	051115-37347-3	—	—	—	—	—	—	—	—
Min. Pkg.	50	50	50	10	10	10	10	10	10	10
Case Qty.	500	500	500	50	50	10	10	10	10	10

*Min. Pkg. 25; Case Qty. 250

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 Zirconia Pro Discs

- Durable cloth backing
- Better choice for rapid stock removal on Stainless Steel, High Nickel Alloys and Aluminum



Grade	5"	6"	12"	20"
	Part # UPC	Part # UPC	Part # UPC	Part # UPC
36	727305*	—	724921	724964
	051115-37291-7	—	051115-37333-6	051115-37321-3
40	—	724655	—	—
	—	051115-37301-5	—	—
50	730453	—	727025	724923
	051141-43229-8	—	051115-37308-4	051115-37323-7
60	730454	730469	727180	730494
	051141-43230-4	051141-43348-6	051115-37309-1	051141-43515-2
80	724738	730470	727317	727133
	051115-37298-8	051141-43347-9	051115-37310-7	051115-37324-4
120	727047	—	727026	—
	051115-37299-5	—	051115-37311-4	—
Min. Pkg.	50	50	10	—
Case Qty.	500	500	10	10

*Min. Pkg. 25; Case Qty. 250

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.

Coated Abrasive File Belts

Zirconia Belts

- Better choice for rapid stock removal on Stainless Steel, High Nickel Alloys and Aluminum
- Alumina Zirconia on a polyester weight cloth backing
- Resin bonded for heat resistance
- Features a grinding aid for cooler grinding
- Can be run wet or dry



Grade	1/2" x 18"	1/2" x 24"	3/4" x 18"	3/4" x 20-1/2"
	Part # UPC	Part # UPC	Part # UPC	Part # UPC
36	580001	580002	580003	580004
	051141-53890-7	051141-53891-4	051141-53892-1	051141-53893-8
60	580005	580006	580007	580008
	051141-53894-5	051141-53895-2	051141-53896-9	051141-53897-6
80	580009	580010	580011	580012
	051141-53898-3	051141-53899-0	051141-53900-3	051141-53901-0
120	—	—	580015	—
	—	—	051141-53904-1	—
Min. Pkg.	50	50	50	50
Case Qty.	50	50	50	50

Ceramic Belts

- Ceramic Aluminum Oxide blend abrasive grain on a polyester weight cloth backing
- Contains grinding aid which enhances performance on stainless steel and other exotic alloys
- Can be run wet or dry



Grade	1/2" x 18"	1/2" x 24"	3/4" x 18"	3-1/2" x 15-1/2"
	Part # UPC	Part # UPC	Part # UPC	Part # UPC
36	—	580018	—	—
	—	051141-53907-2	—	—
60	580021	580022	580023	580038
	051141-53910-2	051141-53911-9	051141-53912-6	051141-43630-2
80	580025	580026	—	—
	051141-53914-0	051141-53915-7	—	—
120	—	—	580031	—
	—	—	051141-53920-1	—
Min. Pkg.	50	50	50	50
Case Qty.	50	50	50	50

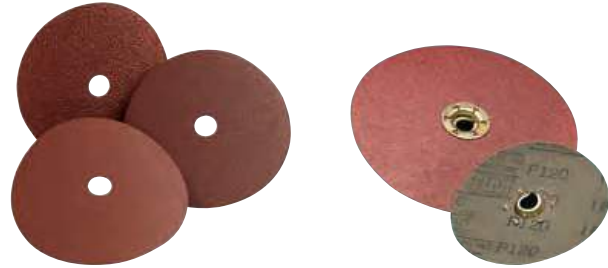
Resin Fiber Discs

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 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



Grade	4-1/2"		5"		7"	
	5/8-11 Hub	7/8" Hole	5/8-11 Hub	7/8" Hole	5/8-11 Hub	7/8" Hole
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
24	531002	530002	531102	530102	531202	530202
	051115-33394-1	051115-33414-6	051115-33399-6	051115-32662-2	051115-33406-1	051115-33425-2
36	531003	530003	531103	530103	531203	530203
	051115-33395-8	051115-32658-5	051115-33400-9	051115-33418-4	051115-33407-8	051115-33426-9
50	531004	530004	531104	530104	531204	530204
	051115-33396-5	051115-33415-3	051115-33401-6	051115-33419-1	051115-33408-5	051115-33427-6
60	531005	530005	531105	530105	531205	530205
	051115-32673-8	051115-32659-2	051115-33402-3	051115-33420-7	051115-33409-2	051115-33428-3
80	531006	530006	531106	530106	531206	530206
	051115-32674-5	051115-32660-8	051115-33403-0	051115-33421-4	051115-33410-8	051115-32668-4
120	531008	530008	531108	530108	531208	530208
	051115-33397-2	051115-32661-5	051115-32676-9	051115-33423-8	051115-33412-2	051115-33430-6
Min. Pkg.	25	25	25	25	25	25
Case Qty.	100	100	100	100	100	100

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. See page 64 for holder pads.

Zirconia Resin Fiber Discs

- 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



Grade	4-1/2"		5"		7"	
	5/8-11 Hub	7/8" Hole	5/8-11 Hub	7/8" Hole	5/8-11 Hub	7/8" Hole
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
24	531091	530091	—	530191	531291	530291
	051115-33370-5	051115-33450-4	—	051115-33455-9	051115-33388-0	051115-33460-3
36	531092	530092	531192	530192	531292	530292
	051115-33371-2	051115-33451-1	051115-33385-9	051115-33456-6	051115-33389-7	051115-32672-1
50	531093	530093	531193	530193	531293	530293
	051115-33372-9	051115-33452-8	051115-33386-6	051115-33457-3	051115-33390-3	051115-33461-0
60	531094	530094	531194	530194	531294	530294
	051115-33373-6	051115-33453-5	051115-33387-3	051115-33458-0	051115-33391-0	051115-33462-7
80	531095	530095	531195	530195	531295	530295
	051115-33374-3	051115-33454-2	051115-32678-3	051115-33459-7	051115-33392-7	051115-33463-4
Min. Pkg.	25	25	25	25	25	25
Case Qty.	100	25	100	100	100	100

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. See page 64 for holder pads.

Resin Fiber Discs (cont.)

Ceramic Pro Resin Fiber Discs

- Premium ceramic disc excels at cutting on carbon steel
- Stiff, durable fiber backing supports heavy stock removal and high-pressure weld leveling
- Heavy backing and resin bond provide superior grain support for prolonged operations
- Extra fast cut-rate suits heavy-duty edge work, deburring, blending, cleaning and finishing



Grade	4-1/2"		5"		7"	
	5/8-11 Hub	7/8" Hole	5/8-11 Hub	7/8" Hole	5/8-11 Hub	7/8" Hole
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
24	—	530052	—	530152	—	530252
	—	051141-54011-5	—	051141-43616-6	—	051141-54015-3
36	531053	530053	531153	530153	531253	530253
	051141-54020-7	051141-54009-2	051141-54018-4	051141-54013-9	051141-54019-1	051141-54007-8
50	—	530055	—	530155	—	530255
	—	051141-54010-8	—	051141-54014-6	—	051141-54008-5
80	—	530057	—	530157	—	530257
	—	051141-54012-2	—	051141-54017-7	—	051141-54016-0
Min. Pkg.	25	25	25	25	25	25
Case Qty.	100	100	100	100	100	100

See page 64 for holder pads.

Ceramic Resin Fiber Discs

- A great disc for cool grinding on heat-sensitive metals
- Extremely durable ceramic grain can stand up to repeated wear
- Ideal for prolonged stock removal due to durable fiber backing
- Swiftly removes heavy flash and parting lines on castings



Grade	4-1/2"		5"		7"	
	5/8-11 Hub	7/8" Hole	5/8-11 Hub	7/8" Hole	5/8-11 Hub	7/8" Hole
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
24	531032	530032	—	—	531321	530232
	051141-53782-5	051141-53769-6	—	—	051141-53790-0	051141-53777-1
36	531033	530033	531312	530133	531322	530233
	051141-53783-2	051141-53770-2	051141-53786-3	051141-53774-0	051141-53791-7	051141-53765-8
50	531035	530035	531314	530135	531324	530235
	051141-53784-9	051141-53771-9	051141-53788-7	051141-53776-4	051141-53793-1	051141-53767-2
60	531036	530036	531315	530136	531325	530236
	051141-53785-6	051141-53772-6	051141-53789-4	051141-53764-1	051141-53794-8	051141-53778-8
80	531037	530037	531316	530031	531326	530326
	051141-53758-0	051141-53773-3	051141-53759-7	051141-53781-8	051141-53760-3	051141-53779-5
120	531039	530029	531318	530318	531328	530327
	051141-53761-0	051141-53768-9	051141-53762-7	051141-53796-2	051141-53763-4	051141-53780-1
Min. Pkg.	25	25	25	25	25	25
Case Qty.	100	100	100	100	100	100

See page 64 for holder pads.

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.

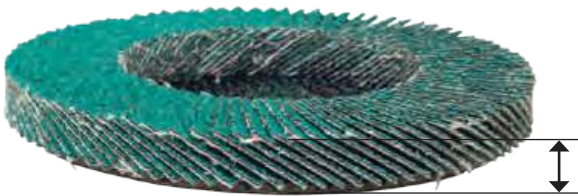
- Aggressive stock removal on a variety of metal fabrication applications
- Ideal for grinding, blending, and high stock removal on corners and flats
- Removes cutting torch slag from steel plates



Pick the right flap disc for the job.

All of the Standard Abrasives™ Flap Discs deliver exceptional cut and life. But pairing the right Flap Disc with your unique application will ensure you're getting peak performance and market-leading value.

Flap Disc	Best Application	Mineral	Backing	Wheel Type	Sizes	Benefit
Ceramic Pro: Stainless / High Tensile Alloys						
	Low to medium-high pressure grinding, weld removal, deburring and finishing	Ceramic Aluminum Oxide	Y-wt. poly cotton	Type 27 Type 29	4-1/2" x 7/8" 4-1/2" x 5/8-11 7" x 7/8" 7" x 5/8-11	Cuts faster and lasts longer for one-step grinding and finishing
GP: Low Pressure / Flat Surfaces						
	Low pressure grinding: small welds, splatter, surface prep, finishing	Alumina Zirconia	X-wt. cotton	Type 27 Type 29	4-1/2" x 7/8" 4-1/2" x 5/8-11 7" x 7/8" 7" x 5/8-11	Consistent flap wear exposes fresh mineral to maximize speed of cut
AP: All Purpose / Multi-Applications						
	Versatile disc perform well on all applications	Alumina Zirconia	YF-wt. poly cotton	Type 27 Type 29	4-1/2" x 7/8" 4-1/2" x 5/8-11 7" x 7/8" 7" x 5/8-11	Most versatile flap disc performs well when you need one disc for a variety of applications
HP: High Pressure / Edges						
	High pressure grinding: beveling, deburring, edge chamfering	Alumina Zirconia	YF-wt. polyester	Type 27 Type 29	4-1/2" x 7/8" 4-1/2" x 5/8-11 7" x 7/8" 7" x 5/8-11	Durable flaps hold up in tough applications to maximize disc life



High Density Flap Discs

When you need more cutting power, select a “High Density” construction. Standard Abrasives™ High Density Flap Discs offer approximately 25% more abrasive material for added durability, cut and life to tackle your toughest grinding applications. Added thickness and flaps of High Density Flap Discs mean fewer disc changes and longer life.



Type 27

Ideal for generating a smooth finish on flat areas or outside edges.



Type 29

The angle allows for more aggressive cutting action, making this option ideal for stock removal and faster cutting on flats or contours.

Flap Discs (cont.)

	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
	ZIRCONIA GP: Type 27				ZIRCONIA GP: Type 29 (6° Taper)			
Grade	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
36	645922	645932	645982	645992	645902	645912	645962	645972
	051115-43243-9	051115-43249-1	051115-43279-8	051115-43285-9	051115-43231-6	051115-43237-8	051115-43267-5	051115-43273-6
40	645923	645933	645983	645993	645903	645913	645963	645973
	051115-43244-6	051115-43250-7	051115-43280-4	051115-43286-6	051115-43232-3	051115-43238-5	051115-43268-2	051115-43274-3
60	645924	645934	645984	645994	645904	645914	645964	645974
	051115-43245-3	051115-43251-4	051115-43281-1	051115-43287-3	051115-43233-0	051115-43239-2	051115-43269-9	051115-43275-0
80	645925	645935	645985	645995	645905	645915	645965	645975
	051115-43246-0	051115-43252-1	051115-43282-8	051115-43288-0	051115-43234-7	051115-43240-8	051115-43270-5	051115-43276-7
120	645926	645936	645986	645996	645906	645916	645966	645976
	051115-43247-7	051115-43253-8	051115-43283-5	051115-43289-7	051115-43235-4	051115-43241-5	051115-43271-2	051115-43277-4
	ZIRCONIA HP: Type 27				ZIRCONIA HP: Type 29 (6° Taper)			
Grade	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
36	645927	645937	645987	645997	645907	645917	645967	645977
	051141-42875-8	051141-42879-6	051141-42883-3	051141-42887-1	051141-42891-8	051141-42895-6	051141-42899-4	051141-42903-8
40	645928	645938	645988	645998	645908	645918	645968	645978
	051141-42876-5	051141-42880-2	051141-42884-0	051141-42888-8	051141-42892-5	051141-42896-3	051141-42900-7	051141-42904-5
60	645929	645939	645989	645999	645909	645919	645969	645979
	051141-42877-2	051141-42881-9	051141-42885-7	051141-42889-5	051141-42893-2	051141-42897-0	051141-42901-4	051141-42905-2
80	645930	945940	645990	645000	645910	645920	645970	645980
	051141-42878-9	051141-42882-6	051141-42886-4	051141-42890-1	051141-42894-9	051141-42898-7	051141-42902-1	051141-42906-9
	ZIRCONIA HP - HIGH DENSITY: Type 27				ZIRCONIA HP - HIGH DENSITY: Type 29 (6° Taper)			
Grade	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
36	645947	645957	645867	645877	645887	645897	645707	645717
	051141-42907-6	051141-53303-2	051141-53307-0	051141-53311-7	051141-53315-5	051141-53319-3	051141-53323-0	051141-53327-8
40	645948	645958	645868	645878	645888	645898	645708	645718
	051141-53300-1	051141-53304-9	051141-53308-7	051141-53312-4	051141-53316-2	051141-53320-9	051141-53324-7	051141-53328-5
60	645949	645959	645869	645879	645889	645899	645709	645719
	051141-53301-8	051141-53305-6	051141-53309-4	051141-53313-1	051141-53317-9	051141-53321-6	051141-53325-4	051141-53329-2
80	645950	645960	645870	645880	645890	645900	645710	645720
	051141-53302-5	051141-53306-3	051141-53310-0	051141-53314-8	051141-53318-6	051141-53322-3	051141-53326-1	051141-53330-8
	ZIRCONIA AP: Type 27				ZIRCONIA AP: Type 29 (6° Taper)			
Grade	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
40	648928	648938	648988	648998	648908	648918	648968	648978
	051141-53642-2	051141-53668-2	051141-53672-9	051141-53676-7	051141-53704-7	051141-53708-5	051141-53712-2	051141-53716-0
60	648929	648939	648989	648999	648909	648919	648969	648979
	051141-53651-4	051141-53669-9	051141-53673-6	051141-53677-4	051141-53705-4	051141-53709-2	051141-53713-9	051141-53717-7
80	648930	648940	648990	648000	648910	648920	648970	648980
	051141-53660-6	051141-53670-5	051141-53674-3	051141-53678-1	051141-53706-1	051141-53710-8	051141-53714-6	051141-53718-4
	ZIRCONIA AP - HIGH DENSITY: Type 27				ZIRCONIA AP - HIGH DENSITY: Type 29 (6° Taper)			
Grade	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
40	648948	648958	648868	648878	648888	648898	648708	648718
	051141-53680-4	051141-53684-2	051141-53688-0	051141-53692-7	051141-53720-7	051141-53724-5	051141-53728-3	051141-53732-0
60	648949	648959	648869	648879	648889	648899	648709	648719
	051141-53681-1	051141-53685-9	051141-53689-7	051141-53693-4	051141-53721-4	051141-53725-2	051141-53729-0	051141-53733-7
80	648950	648960	648870	648880	648890	648900	648710	648720
	051141-53682-8	051141-53686-6	051141-53690-3	051141-53694-1	051141-53722-1	051141-53726-9	051141-53730-6	051141-53734-4
	CERAMIC PRO: Type 27				CERAMIC PRO: Type 29 (6° Taper)			
Grade	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
40	645109	645103	645121	645115	645133	645127	645145*	645139*
	051115-78512-2	051115-78509-2	051115-78518-4	051141-54022-1	051115-78524-5	051115-78521-4	051115-78530-6	051115-78527-6
60	645110	645104	645122	645116	645134	645128	645146*	645140*
	051115-78513-9	051115-78510-8	051115-78519-1	051115-78516-0	051115-78525-2	051115-78522-1	051115-78531-3	051115-78528-3
80	645111	645105	645123	645117	645135	645129	645147*	645141*
	051115-78514-6	051115-78511-5	051115-78520-7	051115-78517-7	051115-78526-9	051115-78523-8	051115-78532-0	051115-78529-0
	CERAMIC PRO - HIGH DENSITY: Type 27				CERAMIC PRO - HIGH DENSITY: Type 29 (6° Taper)			
Grade	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
40	645159	645153	645171	645165	645183	645177	645195*	645189**
	051115-78536-8	051115-78533-7	051115-78542-9	051115-78539-9	051115-78548-1	051115-78545-0	051115-78554-2	051115-78551-1
60	645160	645154	645172	645166	645184	645178	645196*	645190*
	051115-78537-5	051115-78534-4	051115-78543-6	051115-78540-5	051115-78549-8	051115-78546-7	051115-78555-9	051115-78552-8
80	645161	645155	645173	645167	645185	645179	645197*	645191*
	051115-78538-2	051115-78535-1	051115-78544-3	051115-78541-2	051115-78550-4	051115-78547-4	051115-78556-6	051115-78553-5
Max. R.P.M.	13,300	13,300	8,600	8,600	13,300	13,300	8,600	8,600
Min. Pkg.	10	10	5	5	10	10	5	5
Case Qty.	10	10	5	5	10	10	5	5

*Min. Pkg. 10; Case Qty. 10 **10 per case

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.



Small Flap Wheels, Aluminum Oxide

- 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



Grade	1" x 1/2"		1" x 1"		1-1/2" x 1/2"		1-1/2" x 1"	
	1/4" Shank	1/4-20 Shank	1/4" Shank	1/4-20 Shank	1/4" Shank	1/4-20 Shank	1/4" Shank	1/4-20 Shank
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
36	—	—	611402	—	—	—	612402	—
	—	—	051115-42563-9	—	—	—	051115-42570-7	—
40	—	—	611403	621403	—	—	612403	622403
	—	—	051115-42564-6	051115-42619-3	—	—	051115-42571-4	051115-42635-3
60	611105	621105	611405	621405	612105	622105	612405	622405
	051115-42558-5	051115-42610-0	051115-42487-8	051115-42620-9	051115-42498-4	051115-42630-8	051115-42488-5	051115-42636-0
80	611106	621106	611406	621406	612106	622106	612406	622406
	051115-42490-8	051115-42524-0	051115-42492-2	051115-42621-6	051115-42499-1	051115-42525-7	051115-42501-1	051115-42637-7
120	611108	621108	611408	621408	612108	622108	612408	622408
	051115-42491-5	051115-42611-7	051115-42493-9	051115-42623-0	051115-42500-4	051115-42631-5	051115-42502-8	051115-42638-4
180	611110	621110	611410	621410	612110	622110	612410	—
	051115-42559-2	051115-42612-4	051115-42494-6	051115-42624-7	051115-42567-7	051115-42632-2	051115-42572-1	—
240	611111	—	611411	621411	612111	622111	612411	—
	051115-42560-8	—	051115-42495-3	051115-42625-4	051115-42568-4	051115-42633-9	051115-42573-8	—
320	611112	—	611412	621412	612112	—	612412	—
	051115-42561-5	—	051115-42565-3	051115-42626-1	051115-42569-1	—	051115-42504-2	—
Max. R.P.M.	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Min. Pkg.	10	10	10	10	10	10	10	10
Case Qty.	100	100	100	100	100	100	100	100

Grade	2" x 1/2"		2" x 3/4"	2" x 1"		2-1/2" x 1/2"	
	1/4" Shank	1/4-20 Shank	1/4" Shank	1/4" Shank	1/4-20 Shank	1/4" Shank	1/4-20 Shank
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
36	—	—	—	613442	—	—	—
	—	—	—	051115-42583-7	—	—	—
40	—	—	—	613443	623403	—	—
	—	—	—	051115-42584-4	051115-42646-9	—	—
60	613105	—	613305	613445	623405	614105	624105
	051115-42507-3	—	051115-42509-7	051115-42489-2	051115-42647-6	051115-42516-5	051115-42651-3
80	613106	623106	613306	613446	623406	614106	624106
	051115-42577-6	051115-42642-1	051115-42580-6	051115-42512-7	051115-42526-4	051115-42589-9	051115-42652-0
120	613108	623108	—	613448	623408	614108	624108
	051115-42508-0	051115-42643-8	—	051115-42513-4	051115-42648-3	051115-42590-5	051115-42653-7
180	—	623110	—	613450	623410	614110	624110
	—	051115-42644-5	—	051115-42514-1	051115-42527-1	051115-42591-2	051115-42654-4
240	613111	—	—	—	623411	614111	—
	051115-42579-0	—	—	—	051115-42528-8	051115-42592-9	—
Max. R.P.M.	23,000	23,000	23,000	23,000	23,000	23,000	23,000
Min. Pkg.	10	10	10	10	10	10	10
Case Qty.	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 # 600000. Also available are several sizes of female threaded, spindle-mounting adapters.

Flap Wheels (cont.)

Small Flap Wheels, Aluminum Oxide (cont.)

Grade	2-1/2" x 1"		3" x 1/2"		3" x 3/4"	3" x 1"	
	1/4" Shank	1/4-20 Shank	1/4" Shank	1/4-20 Shank	1/4" Shank	1/4" Shank	1/4-20 Shank
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
36	—	—	—	—	—	615442	—
40	614443	—	615103	—	—	051115-42606-3	—
	051115-42593-6	—	051115-42600-1	—	—	615443	—
60	614445	624405	615105	625105	—	615445	625405
	051115-42517-2	051115-42529-5	051115-42518-9	051115-42658-2	—	051115-42520-2	051115-42663-6
80	614446	624406	615106	625106	615306	615446	625406
	051115-42594-3	051115-42655-1	051115-42601-8	051115-42659-9	051115-42605-6	051115-42521-9	051115-42664-3
120	614448	624408	615108	625108	—	615448	625408
	051115-42595-0	051115-42656-8	051115-42602-5	051115-42660-5	—	051115-42608-7	051115-42665-0
180	—	624410	—	625110	—	615450	625410
	—	051115-42657-5	—	051115-42661-2	—	051115-42522-6	051115-42666-7
240	—	—	—	—	—	—	—
	—	—	—	—	—	—	—
Max. R.P.M.	23,000	23,000	20,000	20,000	20,000	20,000	20,000
Min. Pkg.	10	10	10	10	10	10	10
Case Qty.	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 # 600000. Also available are several sizes of female threaded, spindle-mounting adapters.

Large Flap Wheels, Aluminum Oxide

Grade	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"
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
40	—	640603	661403	—	661603	—	—
	—	051115-42729-9	051115-42732-9	—	051115-42745-9	—	—
60	640405	640605	661405	661505	661605	681405	681605
	051115-42531-8	051115-42730-5	051115-42532-5	051115-42742-8	051115-42536-3	051115-42749-7	051115-42753-4
80	640406	640606	661406	661506	661606	681406	681606
	051115-42726-8	051115-42731-2	051115-42733-6	051115-42743-5	051115-42537-0	051115-42750-3	051115-42754-1
100	—	—	661407	—	—	—	—
	—	—	051115-42734-3	—	—	—	—
150	—	—	661409	—	—	—	—
	—	—	051115-42736-7	—	—	—	—
120	—	—	661408	661508	661608	681408	—
	—	—	051115-42735-0	051115-42744-2	051115-42747-3	051115-42751-0	—
180	—	—	661410	—	661610	681410	—
	—	—	051115-42737-4	—	051115-42748-0	051115-42752-7	—
240	—	—	661411	—	—	—	—
	—	—	051115-42738-1	—	—	—	—
320	640412	—	—	—	—	—	—
	051115-42728-2	—	—	—	—	—	—
Max. R.P.M.	12,000	12,000	6,200	6,200	6,200	4,700	4,700
Min. Pkg.	10	10	5	5	5	5	3
Case Qty.	10	10	5	5	5	5	3

See page 64 for adapters.

Small Flap Wheels, Silicon Carbide

- Fine finishing

Grade	1" x 1"		1-1/2" x 1/2"	2" x 1"	3" x 1/2"		3" x 1"
	1/4" Shank	1/4" Shank	1/4" Shank	1/4" Shank	1/4-20 Shank	1/4-20 Shank	1/4" Shank
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
80	611486	612186	613486	615186	625166	—	615486
	051141-43352-3	051141-43354-7	051141-43356-1	051115-42553-0	051115-42556-1	—	051141-43358-5
120	611488	612188	—	615188	—	—	615488
	051141-43353-0	051141-43355-4	—	051115-42554-7	—	—	051141-43359-2
Max. R.P.M.	30,000	30,000	23,000	20,000	20,000	—	20,000
Min. Pkg.	10	10	10	10	10	—	10
Case Qty.	100	100	100	100	100	—	100

Adapter: 1/4-20 female adapter. (Converts 1/4-20 threaded shank to straight 1/4" shank.) Part # 600000. Also available are several sizes of female threaded, spindle-mounting adapters.

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, Aluminum Oxide

Grade	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"
	1/4" Shank		1/4" Shank		1/4" Shank	1/4" Shank	1/4" Shank		1/4" Shank
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
40	—	—	—	—	—	612423	—	—	—
	—	—	—	—	—	051115-42676-6	—	—	—
60	611125	611425	621425	612125	612425	613125	623125	—	—
	051115-42668-1	051115-42496-0	051115-42698-8	051115-42673-5	051115-42505-9	051115-42678-0	051115-42707-7	—	—
80	611126	611426	621426	612126	612426	613126	—	613326	—
	051115-42669-8	051115-42497-7	051115-42699-5	051115-42674-2	051115-42506-6	051115-42679-7	—	051115-42681-0	—
120	611128	611428	621428	612128	612428	613128	—	613328	—
	051115-42670-4	051115-42671-1	051115-42700-8	051115-42675-9	051115-42677-3	051115-42680-3	—	051115-42682-7	—
Max. R.P.M.	30,000	30,000	30,000	30,000	30,000	30,000	23,000	23,000	23,000
Min. Pkg.	10	10	10	10	10	10	10	10	10
Case Qty.	100	100	100	100	100	100	100	100	100

Grade	2" x 1"		2-1/2" x 1/2"		2-1/2" x 1"		3" x 1/2"		3" x 1"	
	1/4" Shank		1/4" Shank		1/4" Shank		1/4" Shank		1/4" Shank	
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
40	—	—	—	—	—	—	—	—	615423	—
	—	—	—	—	—	—	—	—	051115-42693-3	—
60	613425	623425	614125	—	614425	—	615125	625125	615425	625425
	051115-42510-3	051115-42709-1	051115-42684-1	—	051115-42687-2	—	051115-42690-2	051115-42716-9	051115-42694-0	051115-42720-6
80	613426	623426	614126	624126	614426	624426	615126	625126	615426	625426
	051115-42511-0	051115-42710-7	051115-42685-8	051115-42713-8	051115-42688-9	051115-42715-2	051115-42691-9	051115-42717-6	051115-42519-6	051115-42721-3
120	613428	—	614128	—	614428	—	615128	625128	615428	625428
	051115-42683-4	—	051115-42686-5	—	051115-42689-6	—	051115-42692-6	051115-42718-3	051115-42695-7	051115-42722-0
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 # 600000. Also available are several sizes of female threaded, spindle-mounting adapters.

Large Flexible Flap Wheels

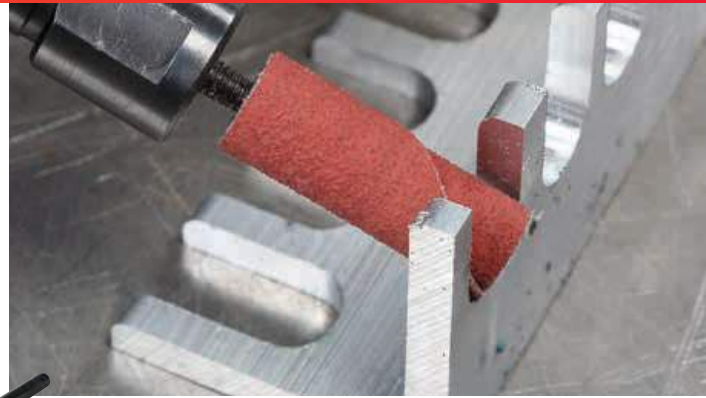
Grade	3-1/2" x 1" x 5/8"	6" x 1" x 1"	6" x 1-1/2" x 1"	6" x 2" x 1"		6" x 3" x 1"	8" x 1" x 1"	8" x 2" x 1"
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
40	—	661423	—	—	—	—	—	—
	—	051115-42763-3	—	—	—	—	—	—
50	—	—	661524	—	—	—	—	—
	—	—	051115-42534-9	—	—	—	—	—
60	635425	661425	—	661625	661825	681425	681625	—
	051115-42756-5	051115-42533-2	—	051115-42538-7	051115-42773-2	051115-42779-4	051115-42785-5	—
80	635426	661426	—	661626	—	681426	—	—
	051115-42757-2	051115-42764-0	—	051115-42772-5	—	051115-42780-0	—	—
100	—	661427	—	—	—	681427	—	—
	—	051115-42765-7	—	—	—	051115-42781-7	—	—
120	—	661428	—	—	—	681428	—	—
	—	051115-42766-4	—	—	—	051115-42782-4	—	—
180	—	661430	—	—	—	—	—	—
	—	051115-42767-1	—	—	—	—	—	—
Max. R.P.M.	12,000	6,200	6,200	6,200	6,200	6,200	4,700	4,700
Min. Pkg.	1	1	1	1	1	1	1	1
Case Qty.	10	5	5	5	5	5	5	3

See page 64 for adapters.

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



Zirconia Cartridge Rolls

Diameter x Length x Arbor Hole Diameter	Part # UPC	Grit	Shape	Case Qty.
1/4" x 1-1/2" x 1/8"	727338	60	Straight	100
	051115-34345-2			
	727339	80	Straight	100
	051115-34346-9			
	727349	120	Straight	100
051115-34347-6				
3/8" x 1-1/2" x 1/8"	727340	60	Straight	100
	051115-34350-6			
	727341	80	Straight	100
	051115-34351-3			
	727347	120	Straight	100
051115-33019-3				
1/2" x 1-1/2" x 1/8"	727342	60	Straight	100
	051115-34353-7			
	727343	80	Straight	100
	051115-34354-4			
	727348	120	Straight	100
051115-34355-1				
3/8" x 1-1/2" x 1/8"	727335	60	Full Taper	100
	051115-34364-3			
	727344	120	Full Taper	100
	051115-34366-7			

Additional sizes available. Call for delivery and minimums. See page 65 for mandrels.

Ceramic Oxide Cartridge Rolls

Diameter x Length x Arbor Hole Diameter	Part # UPC	Grit	Shape	Case Qty.
1/4" x 1-1/2" x 1/8"	730076	60	Straight	100
	051115-34329-2			
	730077	80	Straight	100
	051115-34330-8			
	730078	120	Straight	100
051115-34331-5				
1/2" x 1-1/2" x 1/8"	730088	60	Straight	1000
	051115-34335-3			
	730089	80	Straight	100
	051115-34336-0			
	730090	120	Straight	100
051115-34337-7				
1/2" x 1-1/2" x 1/8"	730099	60	Full Taper	100
	051115-42235-5			
	730101	80	Full Taper	100
	051115-34338-4			
	730102	120	Full Taper	100
051115-34339-1				

Additional sizes available. Call for delivery and minimums. See page 65 for mandrels.

Aluminum Oxide Cartridge Rolls, Straight

Diameter x Length x Arbor Hole Diameter	Part # UPC	Grit	Shape	Case Qty.
3/16" x 1" x 3/32"	713125	60	Straight	100
	051115-33781-9			
	702193	80	Straight	100
	051115-33782-6			
	703778	100	Straight	100
	051115-32879-4			
	705090	120	Straight	100
	051115-33783-3			
708907	180	Straight	100	
051115-33785-7				
1/4" x 3/4" x 1/8"	730391	60	Straight	100
	051141-42932-8			
	701566	120	Straight	100
	051115-33799-4			
	701355	320	Straight	100
051115-33803-8				
1/4" x 1" x 1/8"	703198	50	Straight	100
	051115-33807-6			
	710335	60	Straight	100
	051115-32939-5			
	711599	80	Straight	100
	051115-32951-7			
	706317	100	Straight	100
	051115-32903-6			
	707620	120	Straight	100
	051115-32918-0			
	711444	180	Straight	100
	051115-33809-0			
	702309	240	Straight	100
	051115-33811-3			
	707434	320	Straight	100
	051115-32812-0			
	1/4" x 1-1/2" x 1/8"	713221	40	Straight
051115-33815-1				
710271		50	Straight	100
051115-33816-8				
704406		60	Straight	100
051115-32885-5				
705686		80	Straight	100
051115-32896-1				
708617		100	Straight	100
051115-32924-1				
709907		120	Straight	100
051115-32933-3				
705344		150	Straight	100
051115-33817-5				
700718		180	Straight	100
051115-33818-2				
704582		240	Straight	100
051115-33820-5				
709700		320	Straight	100
051115-32931-9				

Additional sizes available. Call for delivery and minimums. See page 65 for mandrels.

Cartridge Rolls (cont.)

Aluminum Oxide Cartridge Rolls, Straight (cont.)

Diameter x Length x Arbor Hole Diameter	Part # UPC	Grit	Shape	Case Qty.
1/4" x 2" x 1/8"	712625	80	Straight	100
	051115-33829-8			
	711042	100	Straight	100
	051115-32947-0			
	712354			
5/16" x 1" x 1/8"	051115-33830-4	120	Straight	100
	702181			
5/16" x 1-1/2" x 1/8"	051115-33843-4	120	Straight	100
	705819			
	051115-32898-5	80	Straight	100
	713420			
	051115-33851-9			
3/8" x 1" x 1/8"	701758	120	Straight	100
	051115-32858-9			
	705196	60	Straight	100
	051115-32892-3			
	706454	80	Straight	100
051115-33873-1				
701913				
3/8" x 1" x 1/8"	051115-32862-6	100	Straight	100
	703199			
	051115-32876-3	120	Straight	100
	707034			
	051115-33875-5	180	Straight	100
	710855			
	051115-33877-9	240	Straight	100
	3/8" x 1-1/2" x 1/8"	702513	40	Straight
051115-33882-3				
709600		50	Straight	100
051115-33883-0				
703732		60	Straight	100
051115-32878-7				
705036		80	Straight	100
051115-32473-4				
706044		100	Straight	100
051115-32899-2				
707336		120	Straight	100
051115-32914-2				
711147		180	Straight	100
051115-33885-4				
702004		240	Straight	100
051115-33887-8				
3/8" x 2" x 1/8"	718249	36	Straight	100
	051115-33895-3			
	713226	60	Straight	100
	051115-33897-7			
	713402	80	Straight	100
	051115-33898-4			
	713227	100	Straight	100
	051115-33899-1			
713459	120	Straight	100	
051115-33900-4				
1/2" x 1" x 1/8"	706313	60	Straight	100
	051115-33915-8			
	707617	80	Straight	100
	051115-32917-3			
	710189	100	Straight	100
	051115-33916-5			
711471	120	Straight	100	
051115-33917-2				

Additional straight, full tapered, half tapered and sidewall rolls available. Call for delivery and minimums. See page 65 for mandrels.

Diameter x Length x Arbor Hole Diameter	Part # UPC	Grit	Shape	Case Qty.
1/2" x 1-1/2" x 1/8"	710267	36	Straight	100
	051115-33925-7			
	707947	40	Straight	100
	051115-33926-4			
	702091	50	Straight	100
	051115-32866-4			
	709187	60	Straight	100
	051115-32928-9			
	710479	80	Straight	100
	051115-32941-8			
	708530	100	Straight	100
	051115-32923-4			
	709813	120	Straight	100
	051115-32932-6			
	700624	180	Straight	100
051115-32840-4				
704494	240	Straight	100	
051115-32929-5				
1/2" x 2" x 1/8"	707308	60	Straight	50
	051115-32913-5			
	708564	80	Straight	50
	051115-33941-7			
707712	120	Straight	50	
051115-33943-1				
1/2" x 2" x 3/16"	713369	60	Straight	50
	051115-33948-6			
	713139	80	Straight	50
	051115-32967-8			
	715219	100	Straight	50
	051115-33949-3			
	715523	120	Straight	50
	051115-33950-9			
	727266	150	Straight	50
051115-42221-8				
722386	180	Straight	50	
051115-33951-6				
1/2" x 2" x 1/4"	722753	40	Straight	50
	051115-33953-0			
	714734	60	Straight	50
	051115-33954-7			
	713393	80	Straight	50
051115-33955-4				
5/8" x 1-1/2" x 1/8"	714175	80	Straight	50
	051115-33968-4			
5/8" x 2" x 3/16"	717639	50	Straight	50
	051115-33985-1			
	715081	60	Straight	50
	051115-33986-8			
	714719	80	Straight	50
051115-33987-5				
3/4" x 1" x 3/16"	705581	40	Straight	50
	051115-33997-4			
	708151	80	Straight	50
051115-34000-0				
3/4" x 1" x 1/8"	713656	80	Straight	50
	051115-33995-0			
3/4" x 1-1/2" x 1/8"	714979	40	Straight	50
	051115-34002-4			
	714235	60	Straight	50
	051115-34004-8			
	713444	80	Straight	50
	051115-34005-5			
713610	120	Straight	50	
051115-34007-9				
3/4" x 1-1/2" x 3/16"	703078	60	Straight	50
	051115-34013-0			
	704345	80	Straight	50
	051115-32884-8			
	707988	120	Straight	50
051115-32919-7				

Additional straight, full tapered, half tapered and sidewall rolls available. Call for delivery and minimums. See page 65 for mandrels.

Cartridge Rolls (cont.)

Aluminum Oxide Cartridge Rolls, Straight (cont.)

Diameter x Length x Arbor Hole Diameter	Part # UPC	Grit	Shape	Case Qty.
3/4" x 1-1/2" x 1/4"	713317	60	Straight	50
	051115-34021-5			
	713081	80	Straight	50
	051115-34022-2			
	713077	120	Straight	50
051115-34024-6				
3/4" x 2" x 3/16"	710302	40	Straight	25
	051115-34035-2			
	711570	60	Straight	25
	051115-34037-6			
	712902	80	Straight	25
	051115-34038-3			
	710358	100	Straight	100
	051115-34039-0			
	711626	120	Straight	25
051115-34040-6				
3/4" x 2" x 1/4"	713072	80	Straight	25
	051115-34049-9			
1" x 1-1/2" x 1/4"	701629	60	Straight	100
	051115-34079-6			
	702954	80	Straight	25
	051115-32875-6			
	712180	120	Straight	100
051115-34081-9				
1" x 2" x 3/16"	727157	40	Straight	25
	051115-34087-1			
	700169	60	Straight	25
	051115-34088-8			
	701425	80	Straight	25
051115-34089-5				
1" x 2" x 1/4"	707212	60	Straight	25
	051115-32912-8			
	708462	80	Straight	25
	051115-34093-2			
1" x 2-1/2" x 1/4"	722950	60	Straight	25
	051115-34097-0			
1" x 3" x 1/4"	723901	50	Straight	25
	051115-34099-4			
	714664	80	Straight	100
	051115-34100-7			
1-1/2" x 2" x 1/4"	713908	80	Straight	25
	051115-34117-5			

Additional straight, full tapered, half tapered and sidewall rolls available. Call for delivery and minimums. See page 65 for mandrels.

Aluminum Oxide Cartridge Rolls, Full Taper

Diameter x Length x Arbor Hole Diameter	Part # UPC	Grit	Shape	Case Qty.
3/8" x 1" x 1/8"	707096	60	Full Taper	100
	051115-34178-6			
	708357	80	Full Taper	100
	051115-32922-7			
	702229	120	Full Taper	100
	051115-32867-1			
706036	180	Full Taper	100	
051115-34181-6				
3/8" x 1-1/2" x 1/8"	704214	60	Full Taper	100
	051115-32882-4			
	705509	80	Full Taper	100
	051115-32895-4			
	706968	120	Full Taper	100
051115-32909-8				
3/8" x 2" x 1/8"	718217	120	Full Taper	100
	051115-34197-7			
1/2" x 1-1/2" x 1/8"	710725	36	Full Taper	100
	051115-34205-9			
	709653	60	Full Taper	100
	051115-34208-0			
	710928	80	Full Taper	100
	051115-32945-6			
	712731	100	Full Taper	100
	051115-32961-6			
	700939	120	Full Taper	100
	051115-32844-2			
704817	180	Full Taper	100	
051115-34210-3				
1/2" x 2" x 1/8"	700667	60	Full Taper	50
	051115-32841-1			
	701974	80	Full Taper	50
051115-32864-0				
3/4" x 1-1/2" x 3/16"	703989	80	Full Taper	50
	051115-34253-0			
3/4" x 1-1/2" x 1/8"	709291	60	Full Taper	50
	051115-34246-2			
	710580	80	Full Taper	50
	051115-34247-9			

Additional straight, full tapered, half tapered and sidewall rolls available. Call for delivery and minimums. See page 65 for mandrels.

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 to prevent skipping and bumping



Spiral Bands

Inside Diameter	Length	24 Grit	36 Grit	40 Grit	50 Grit	60 Grit	80 Grit	120 Grit	180 Grit	
		Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	
1/2"	1/2"	—	701613	—	706393	700518	701834	709742	700546	
		—	051115-41569-2	—	051115-41571-5	051115-32838-1	051115-32859-6	051115-41573-9	051115-41574-6	
	1"	—	710759	—	—	709697	710961	700770	—	
		—	051115-41579-1	—	—	051115-41582-1	051115-32946-3	051115-41584-5	—	
	1-1/2"	—	—	709016	—	710318	—	—	—	
		—	—	051115-41588-3	—	051115-32937-1	—	—	—	
3/4"	3/4"	—	703148	—	—	702107	703368	—	706865	
		—	051115-41606-4	—	—	051115-41608-8	051115-32877-0	—	051115-41611-8	
	1"	—	705771	—	710579	704731	705998	707959	—	
		—	051115-41614-9	—	051115-41616-3	051115-32888-6	051115-41617-0	051115-41619-4	—	
	1-1/2"	—	702255	712924	—	701134	702489	—	—	
		—	051115-41622-4	051115-41623-1	—	051115-41624-8	051115-41625-5	—	—	
	2"	—	711819	—	709567	—	—	—	—	
		—	051115-41626-2	—	051115-41628-6	—	—	—	—	
	1"	1"	—	702341	713007	707115	701217	702568	712287	—
			—	051115-41644-6	051115-41645-3	051115-41646-0	051115-32852-7	051115-41647-7	051115-32957-9	—
1-1/2"		—	—	—	—	—	713078	—	—	
		—	—	—	—	—	051115-41656-9	—	—	
1-1/2"	1"	—	702672	—	—	701546	—	—		
		—	051115-41674-3	—	—	051115-32857-2	—	—		
	1-1/2"	—	704624	—	—	703579	704869	705926	—	
2"	1-1/2"	—	051115-41680-4	—	—	051115-41683-5	051115-41684-2	051115-41686-6	—	
		—	—	—	—	—	706935	—	—	
		—	—	—	—	—	051115-41708-5	—	—	
	2"	—	713438	713069	714954	713290	—	713641	—	
		—	051115-41710-8	051115-41711-5	051115-32988-3	051115-41712-2	—	051115-41714-6	—	
3"	3"	714488*	713556*	—	—	—	—	—		
		051115-41722-1	051115-41723-8	—	—	—	—	—		
Min. Pkg.		100	100	100	100	100	100	100	100	
Case Qty.		100	100	100	100	100	100	100	100	

*Min. Pkg. is 50; Case Qty. is 50

Additional Spiral Band sizes are available. 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. See page 66 for rubber drums.

Abrasive Pads

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



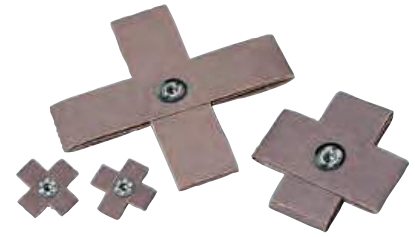
Size	Part # UPC	Eyelet	Grit	Grain	Min. Pkg.	Case Qty.
1/4" x 1-1/2"	718124	8-32	80	Aluminum Oxide	100	1000
	051115-41342-1					
	724010	8-32	100	Aluminum Oxide	100	1000
	051115-41343-8					
3/8" x 1-1/2"	705209	8-32	60	Aluminum Oxide	100	1000
	051115-41345-2					
3/8" x 2"	714471	1/4-20	60	Aluminum Oxide	100	100
	051115-42247-8					
	714732	1/4-20	80	Aluminum Oxide	100	100
	051115-41351-3					
3/8" x 3"	706495	1/4-20	60	Aluminum Oxide	100	100
	051115-41360-5					
	707798	1/4-20	80	Aluminum Oxide	100	100
	051115-41361-2					
3/8" x 4"	724620	1/4-20	60	Aluminum Oxide	25	100
	051115-41368-1					
	730415	1/4-20	80	Aluminum Oxide	100	100
	051115-43030-0					
1/2" x 1"	722813	8-32	80	Aluminum Oxide	100	1000
	051115-41339-1					
1/2" x 2"	703654	1/4-20	80	Aluminum Oxide	100	100
	051115-41354-4					
1/2" x 3"	730409	1/4-20	60	Aluminum Oxide	100	100
	051141-43024-9					
	730412	1/4-20	80	Aluminum Oxide	100	100
	051141-43027-0					

Other Sizes Available. Call for delivery and minimums. All Square Pads are made to order. See page 66 for mandrels.

Abrasive Pads (cont.)

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



Size	Part # UPC	Ply	Eyelet	Grit	Description	Min. Pkg.	Case Qty.
1" x 3/8"	723169	8	8-32	80	Aluminum Oxide	100	1000
	051115-32998-2						
	724186	8	3-48	100	Aluminum Oxide	100	1000
	051115-41378-0						
1-1/4" x 1/4"	724359	8	3-48	120	Aluminum Oxide	100	1000
	051115-41379-7						
1-1/2" x 1/2"	719662	8	8-32	80	Aluminum Oxide	100	1000
	051115-41382-7						
	713465	8	8-32	120	Aluminum Oxide	100	1000
	051115-41384-1						
	724642	8	8-32	150	Aluminum Oxide	100	1000
051115-41385-8							
2" x 1/2"	723397	8	8-32	80	Aluminum Oxide	100	1000
	051115-41388-9						
	722798	8	8-32	80	Silicon Carbide	100	1000
	051115-41392-6						
	700307	8	8-32	100	Aluminum Oxide	100	1000
	051115-41389-6						
	724346	8	8-32	120	Silicon Carbide	100	1000
	051115-41393-3						
	705467	8	8-32	180	Aluminum Oxide	100	1000
051115-41391-9							
2" x 3/4"	723947	8	8-32	120	Aluminum Oxide	100	1000
	051115-41397-1						
2-1/2" x 3/4"	715246	8	1/4-20	80	Aluminum Oxide	50	500
	051115-41402-2						
3" x 1/2"	722683	8	8-32	80	Aluminum Oxide	50	500
	051115-41404-6						
3" x 1"	701115	8	1/4-20	80	Aluminum Oxide	50	500
	051115-41408-4						
4" x 1"	704000	8	1/4-20	60	Aluminum Oxide	25	250
	051115-41416-9						
	724961	8	1/4-20	120	Aluminum Oxide	25	250
	051115-41418-3						
4-1/2" x 1-1/2"	713411	10	1/4-20	120	Aluminum Oxide	100	100
	051115-41421-3						
5" x 2"	727385	12	1/4-20	80	Zirconia	100	100
	051115-41422-0						
6" x 1-1/2"	723080	8	1/4-20	80	Zirconia	100	100
	051115-41423-7						
6" x 2"	727131	8	1/4-20	80	Aluminum Oxide	100	100
	051115-42429-8						
8" x 2"	730407	8	1/4-20	120	Ceramic	100	100
	051115-43007-2						

Other Sizes Available. Call for delivery and minimums. All Cross Pads are made to order. See page 66 for mandrels.

Handy Rolls

Aluminum Oxide

- 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
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
1"	704821	711199	706221	704023	713095
	051115-37477-7	051115-32948-7	051115-32900-5	051115-32881-7	051115-32966-1
1-1/2"	700379	706818	706311	712149	713159
	051115-37483-8	051115-32908-1	051115-32902-9	051115-37484-5	051115-32969-2
2"	705762	712207	707195	708744	713297
	051115-37489-0	051115-37490-6	051115-32911-1	051115-32925-8	051115-32977-7
Min. Pkg.	1	1	1	1	1
Case Qty.	10	10	10	10	10

Size	150J Grit	180J Grit	220J Grit	240J Grit	320J Grit	400J Grit
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
1"	715212	713199	713096	713200	713097	714696
	051115-37478-4	051115-37479-1	051115-37480-7	051115-32971-5	051115-37481-4	051115-37482-1
1-1/2"	713160	713161	713948	714179	713202	714164
	051115-37485-2	051115-32970-8	051115-37486-9	051115-32982-1	051115-37487-6	051115-37488-3
2"	713448	713276	713949	713205	713296	713648
	051115-37491-3	051115-32974-6	051115-37492-0	051115-32972-2	051115-32976-0	051115-37493-7
Min. Pkg.	1	1	1	1	1	1
Case Qty.	10	10	10	10	10	10

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

Size	Part # UPC	Grain	Max. R.P.M.	Min. Pkg.	Case Qty.
3" x 1/32" x 3/8"	646220	Aluminum Oxide	25,000	50	50
	051122-01817-6				
3" x 1/16" x 3/8"	646240	Aluminum Oxide	25,000	50	50
	051122-01818-3				
4" x 1/32" x 3/8"	646320	Aluminum Oxide	21,000	50	50
	051122-01819-0				
4" x 1/16" x 3/8"	646340	Aluminum Oxide	21,000	50	50
	051122-01820-6				
6" x .045" x 7/8"	646570	Aluminum Oxide	10,200	50	50
	051122-01821-3				

High Performance Ceramic Cut-Off Wheels

Size	Part # UPC	Grain	Max. R.P.M.	Min. Pkg.	Case Qty.
3" x 1/32" x 1/4"	646215	Ceramic Oxide	35,000	50	50
	051122-01823-7				
3" x 1/32" x 3/8"	646225	Ceramic Oxide	35,000	50	50
	051122-01824-4				
3" x 1/16" x 3/8"	646245	Ceramic Oxide	28,000	50	50
	051122-01825-1				
4" x 1/32" x 3/8"	646325	Ceramic Oxide	26,250	50	50
	051122-01827-5				
4" x 1/16" x 3/8"	646345	Ceramic Oxide	21,000	50	50
	051122-01826-8				

Surface Conditioning Products

Surface Conditioning products 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 four Standard Abrasives Surface Conditioning materials offers unique benefits for your application.

- FE:** High edge durability and flexibility. 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:** High initial rate of cut. Maintains high cut rate. Best material for flat surface finishing. Most efficient on ferrous metals where final finish is important.
- XD:** Fastest cutting, most durable surface conditioning disc of Standard Abrasive Surface Conditioning products. Long lasting, while providing excellent results on flat surfaces and edges.



	Surface Conditioning Material			
	FE	GP	RC	XD
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	Good	Best	Better	Best
Contact Force Required	Medium	Low	Medium	Heavy
Initial Rate of Cut	Best	Better	Good	Best
Flexibility	Medium	Most	Medium	Least
Grades				
Extra Coarse	Dark Brown	–	–	–
Coarse (Approximately 60 Grit)	Brown	Dark Brown	Brown	Brown
Medium (Approximately 80 – 120 Grit)	Maroon	Dark Maroon	Maroon	Maroon
Very Fine (Approximately 180 – 240 Grit)	Blue	Dark Blue	Blue	–

Surface Conditioning Discs



Quick Change Discs

Size	Grade	Grain	RC			FE			GP			XD	
			TS	TR	TP	TS	TR	TP	TS	TR	TP	TS	TR
			Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
3/4"	Coarse	A/O	840034	—	840031	—	—	840037	—	—	—	—	
		A/O	051115-36907-0	—	051115-33069-8	—	—	051115-32488-8	—	—	—	—	
	Very Fine	A/O	840036	—	840033	—	—	840039	—	—	—	—	
1"	Coarse	A/O	840134	840184	840131	840181	—	840137	840187	—	—	—	
		A/O	051115-36909-4	051115-36937-7	051115-36863-9	051115-36876-9	—	051115-32490-1	051115-36845-5	—	—	—	
	Very Fine	A/O	840136	840186	840133	840183	—	840139	840189	—	—	—	
1-1/2"	Coarse	A/O	840234	840284	840231	840281	840241	840237	840287	—	—	—	
		A/O	051115-36912-4	051115-36940-7	051115-33091-9	051115-36878-3	051115-36837-0	051115-33093-3	051115-36846-2	—	—	—	
	Very Fine	A/O	840236	840286	840233	840283	840243	840239	840289	—	—	—	
2"	Coarse	A/O	840334	840384	840331	840381	—	840337	840387	840347	848331	848381	
		A/O	051115-36913-1	051115-33110-7	051115-32501-4	051115-33108-4	—	051115-32492-5	051115-32486-4	051115-36901-8	051115-43463-6	051115-43458-2	
	Very Fine	A/O	840336	840386	840333	840383	—	840339	840389	840349	—	—	
Recommended R.P.M.			12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	
Max. R.P.M.			20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	
Min. Pkg.			50	50	50	50	50	50	50	50	50	50	
Case Qty.			500	500	500	500	500	500	500	500	500	500	

Size	Grade	Grain	RC			FE			GP			XD	
			TS	TR	TP	TS	TR	TP	TS	TR	TP	TS	TR
			Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
3"	Coarse	A/O	840470	840454	—	—	—	840437	840487	—	—	—	
		A/O	051115-36915-5	051115-36942-1	—	—	—	—	—	—	—	—	
	Very Fine	A/O	840436	840486	840433	840483	840443	840439	840489	—	—	—	
4"	Coarse	A/O	—	840584	—	840581	—	840537	840587	—	—	—	
		A/O	—	051115-36945-2	—	051115-36881-3	—	051115-33136-7	051115-33138-1	—	—	—	
	Very Fine	A/O	—	840586	—	840583	—	840539	840589	—	—	—	
Recommended R.P.M.			10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	
Max. R.P.M.			18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	
Min. Pkg.			25	25	25	25	25	25	25	25	25	25	
Case Qty.			250	250	250	250	250	250	250	250	250	250	

Additional sizes are available for Surface Conditioning Discs. Call for delivery and minimums. See page 63 for holder pads.

Surface Conditioning Discs (cont.)

TS Quick Change Discs with 5/8–11 Threaded Hub

- Tool shank does not protrude through disc for safe, large surface preparation
- Combine with Buff & Blend for complete system

Size	Grade	Grain	RC	FE	GP	XD
			TS	TS	TS	TS
			Part # UPC	Part # UPC	Part # UPC	Part # UPC
4-1/2"	Coarse	Aluminum Oxide	843533	843531	843537**	848531**
			051115-36922-3	051115-33147-3	051115-32495-6	051141-43477-3
			843535	843532	843538	848532**
	Medium	Aluminum Oxide	051115-36921-6	051115-33148-0	051115-32496-3	051141-43474-2
			—	843534*	843539***	—
			—	051115-33149-7	051115-33150-3	—
5"	Coarse	Aluminum Oxide	—	—	843737	848731
			—	—	051115-32497-0	051141-43478-0
			—	843732*	843738	848732
	Medium	Aluminum Oxide	—	051115-33152-7	051115-32498-7	051141-43475-9
			843736	843734*	843739	—
			051115-36923-0	051115-36872-1	051115-32499-4	—
7"	Coarse	Aluminum Oxide	—	843931	843937**	848931****
			—	051115-36871-4	051115-32500-7	051141-43479-7
	Medium	Aluminum Oxide	—	843932	843938**	—
			—	051115-36870-7	051115-33153-4	—
Min. Pkg.			10	10	10	10
Case Qty.			100	10	100	100

*Min. Pkg. 10; Case Qty. 100 **Min. Pkg. 10; Case Qty. 10 ***Min. Pkg. 10; Case Qty. 50 ****Min. Pkg. 25; Case Qty. 25

Also available with 5/8" and 7/8" nominal hole. Call for delivery and minimums. See page 64 for holder pads.



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

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

Diameter	Hole	Grade	Grain	Description	TS	Recommended R.P.M.	Max. R.P.M.	Min. Pkg.	Case Qty.
					Part # UPC				
5/8"	3/32"	Medium	Aluminum Oxide	#30	800072	6,000	12,000	50	500
					051115-36854-7				
	1/8"	Medium	Aluminum Oxide	#21	800069	6,000	12,000	50	500
					051115-33029-2				
	5/32"	Medium	Aluminum Oxide	#10	800068	6,000	12,000	50	500
					051115-36853-0				

See page 66 for mandrels.

Surface Conditioning Discs (cont.)

FE: High edge durability and flexibility. 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: High initial rate of cut. Maintains high cut rate. Best material for flat surface finishing. Most efficient on ferrous metals where final finish is important.



Hook & Loop Style Discs

Size	Grade	Grain	RC	FE	GP	Recommended R.P.M.	Max. R.P.M.	Min. Pkg.	Case Qty.
			Part # UPC	Part # UPC	Part # UPC				
2"	Coarse	Aluminum Oxide	—	—	842337	6,000	8,000	50	500
			—	—	051115-35706-0				
	Medium	Aluminum Oxide	—	—	842338	6,000	8,000	50	500
			—	—	051115-35705-3				
Very Fine	Aluminum Oxide	842336	—	842339	6,000	8,000	50	500	
		051115-35771-8	—	051115-35704-6					
3"	Coarse	Aluminum Oxide	842434	—	842437	6,000	8,000	25	250
			051115-35776-3	—	051115-35709-1				
	Medium	Aluminum Oxide	—	—	842438	6,000	8,000	25	250
			—	—	051115-35708-4				
Very Fine	Aluminum Oxide	842436	—	842439	6,000	8,000	25	250	
		051115-35774-9	—	051115-35707-7					
4"	Coarse	Aluminum Oxide	845413	845411	845517	6,000	8,000	10	100
			051115-35779-4	051115-35738-1	051115-35712-1				
	Medium	Aluminum Oxide	845415	845412	845518	6,000	8,000	10	100
			051115-35778-7	051115-35737-4	051115-35711-4				
Very Fine	Aluminum Oxide	845416	845414	845519	6,000	8,000	10	100	
		051115-35777-0	051115-35736-7	051115-35710-7					
4-1/2"	Extra Coarse	Aluminum Oxide	845045	—	—	6,000	8,000	10	100
			051115-35783-1	—	—				
	Coarse	Aluminum Oxide	845513	845511	845417	6,000	8,000	10	100
			051115-35782-4	051115-35739-8	051115-35715-2				
Medium	Aluminum Oxide	845515	845512	845418	6,000	8,000	10	100	
		051115-35781-7	051115-33157-2	051115-35714-5					
Very Fine	Aluminum Oxide	845516	845514	845419	6,000	8,000	10	100	
		051115-35780-0	051115-33158-9	051115-35713-8					
5"	Extra Coarse	Aluminum Oxide	845050	—	—	5,000	7,000	10	100
			051115-35785-5	—	—				
	Coarse	Aluminum Oxide	845613	845611	845617	5,000	7,000	10	100
			051115-33160-2	051115-32532-8	051115-32530-4				
Medium	Aluminum Oxide	845615	845612	845618	5,000	7,000	10	100	
		051115-35784-8	051115-33159-6	051115-33163-3					
Very Fine	Aluminum Oxide	845616	845614	845619	5,000	7,000	10	100	
		051115-33162-6	051115-33161-9	051115-32531-1					
7"	Coarse	Aluminum Oxide	845813	845811	845817	3,000	6,000	10	100
			051115-35791-6	051115-33165-7	051115-33167-1				
	Medium	Aluminum Oxide	845815	845812	845818	3,000	6,000	10	100
			051115-35790-9	051115-33166-4	051115-33168-8				
Very Fine	Aluminum Oxide	845816	845814	845819	3,000	6,000	10	100	
		051115-35789-3	051115-35743-5	051115-33169-5					

Additional sizes are available for Surface Conditioning Discs. 4-1/2", 5" and 7" also available with 5/8" and 7/8" nominal hole. Call for delivery and minimums. See page 64 for holder pads.

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. Utilizes our FE material.

FE: High edge durability and flexibility. 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.



Size	Part # UPC	Eyelet	Grade	Color	Max. R.P.M.	Min. Pkg.	Case Qty.
2"	724605	1/4-20	Coarse	Brown	20,000	50	50
	051115-37693-1						
	724606	1/4-20	Medium	Maroon	20,000	50	50
	051115-37694-8						
	724607	1/4-20	Very Fine	Blue	20,000	50	50
051115-37695-5							
3"	724602	1/4-20	Coarse	Brown	12,000	25	25
	051115-33002-5						
	724603	1/4-20	Medium	Maroon	12,000	25	25
	051115-33003-2						

To be run in conjunction with TM-4 Mandrel. See page 66 for mandrels.

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

Floor Mounted/Platen Sanders, Pneumatic Sanders, Portable Sanders, Back Stand Sanders

	Application			
	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

Surface Conditioning Belts (cont.)

Pneumatic Sander (Drum) Belts

Size	RC	FE	Grade	Min. Pkg.
	Part # UPC	Part # UPC		
3" x 10-11/16"	888003	885070	Very Fine	10
	051115-36442-6	051115-33321-7		
	888004	—	Medium	10
	051115-36441-9	—		
	888005	885072	Coarse	10
051115-36440-2	051115-36447-1			
3-1/2" x 15-1/2"	888006	885030	Very Fine	10
	051115-36443-3	051115-36450-1		
	888007	885031	Medium	10
	051115-33339-2	051115-36449-5		
	888008	885032	Coarse	10
	051115-33340-8	051115-33319-4		

Portable Belts

Size	RC	FE	Grade	Min. Pkg.
	Part # UPC	Part # UPC		
1/2" x 12"	888081	885160	Very Fine	10
	051115-36389-4	051115-36510-2		
	888082	885161	Medium	10
	051115-36388-7	051115-36509-6		
	888083	885162	Coarse	10
051115-36387-0	051115-78430-9			
1/2" x 18"	888048	885095	Very Fine	10
	051115-36390-0	051115-33325-5		
	888049	885096	Medium	10
	051115-33343-9	051115-33326-2		
	888050	885097	Coarse	10
051115-33344-6	051115-33327-9			
1/2" x 24"	888051	885100	Very Fine	10
	051115-36391-7	051115-33328-6		
	888052	885101	Medium	10
	051115-32533-5	051115-33329-3		
	888053	885102	Coarse	10
051115-32534-2	051115-33330-9			
3/4" x 18"	888054	885090	Very Fine	10
	051115-36392-4	051115-33322-4		
	888055	885091	Medium	10
	051115-33345-3	051115-33323-1		
	888056	885092	Coarse	10
051115-33346-0	051115-33324-8			
3/4" x 20-1/2"	888057	885105	Very Fine	10
	051115-36395-5	051115-36453-2		
	888058	885106	Medium	10
	051115-36394-8	051115-36452-5		
	888059	885107	Coarse	10
051115-36393-1	051115-36451-8			

Floor Mounted/Platen Belts

Size	RC	FE	Grade	Min. Pkg.
	Part # UPC	Part # UPC		
1" x 18"	888126	885215	Very Fine	10
	051115-36399-3	051115-36514-0		
	888127	—	Medium	10
	051115-36398-6	—		
	888128	885217	Coarse	10
051115-36397-9	051115-36512-6			
1" x 42"	888009	885001	Very Fine	10
	051115-36415-0	051115-36456-3		
	888010	885002	Medium	10
	051115-33341-5	051115-36455-6		
	888011	885003	Coarse	10
051115-36414-3	051115-36454-9			
2" x 48"	888012	885005	Very Fine	10
	051115-36419-8	051115-33318-7		
	888013	885006	Medium	10
	051115-33342-2	051115-36458-7		
	888014	885007	Coarse	10
051115-36418-1	051115-36457-0			
2" x 60"	888015	885010	Very Fine	5
	051115-36422-8	051115-36461-7		
	888016	—	Medium	5
	051115-36421-1	—		
	888017	—	Coarse	5
051115-36420-4	—			
6" x 48"	888030	885060	Very Fine	5
	051115-36436-5	051115-36473-0		
	888031	885061	Medium	5
	051115-36435-8	051115-33320-0		
	888032	885062	Coarse	5
051115-36434-1	051115-36472-3			

Backstand Belts

Size	RC	FE	Grade	Min. Pkg.
	Part # UPC	Part # UPC		
2" x 132"	888036	—	Very Fine	5
	051115-36406-8	—		
	888037	885041	Medium	5
	051115-36405-1	051115-36475-4		
	888038	885042	Coarse	5
051115-36404-4	051115-36474-7			
3" x 132"	888039	—	Very Fine	5
	051115-36409-9	—		
	888040	885046	Medium	5
	051115-36408-2	051115-36478-5		
	888041	—	Coarse	5
051115-36407-5	—			

Wide Belts

Size	RC	Grade	Min. Pkg.
	Part # UPC		
25" x 48"	888649	Very Fine	1
	051115-36342-9		
	888650	Medium	1
	051115-42449-6		
37" x 75"	888851	Very Fine	1
	051115-36349-8		
	888852	Medium	1
	051115-36348-1		
	888853	Coarse	1
051115-36347-4			

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



Grade	1/2" x 1/2"	1/2" x 1"	1" x 1"	1-1/2" x 1-1/2"	2" x 1"	2" x 2"
	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Coarse	727117	727083	727086	727092	727095	727098
	051115-37671-9	051115-37674-0	051115-37676-4	051115-37682-5	051115-37685-6	051115-37688-7
Medium	727118	727084*	727087	727093	727096	727099
	051115-37672-6	051115-33017-9*	051115-37677-1	051115-37683-2	051115-37686-3	051115-37689-4
Very Fine	727119	727085	727088	727094	727097	727100
	051115-37673-3	051115-37675-7	051115-37678-8	051115-37684-9	051115-37687-0	051115-37690-0
Min. Pkg.	10	10	10	10	10	10
Case Qty.	100	100	100	100	100	100

*Min. Pkg. 100

Additional sizes available. Call for delivery and minimums.

Bristle Discs

4.5-inch Standard Abrasives Bristle Discs quickly and easily remove paint, stains, adhesives, weld burns, rust, heavy oxides and surface contaminant from large areas. Requires only light pressure, which helps reduce operator fatigue.

Fast running 2-inch and 3-inch discs with a standard TR attachment efficiently clean or strip many substances from metal surfaces, without damaging the work piece. An operator quickly and easily achieves a quality, consistent finish with light pressure.

- Remove a variety of surface contaminants
- Clean or strip many substances from metal surfaces
- Require only light pressure
- Does not damage work piece
- Fast-running
- Consistent finishes



Bristle Discs with TR Attachment

Size	TR Attachment	Grade	Color	Trim	Max. R.P.M.	Min. Pkg.	Case Qty.
	Part # UPC						
2"	879404	50	Green	5/8" Tapered	20,000	10	40
	051141-43607-4						
	879406						
	051141-43608-1	80	Yellow	5/8" Tapered	20,000	10	40
	879408						
051141-43609-8	120	White	5/8" Tapered	20,000	10	40	
3"	879504	50	Green	5/8" Tapered	15,000	10	40
	051141-43610-4						
	879506						
	051141-43611-1	80	Yellow	5/8" Tapered	15,000	10	40
	879508						
	051141-43612-8						
	120	White	5/8" Tapered	15,000	10	40	

Bristle Discs

Size	Part # UPC	Grade	Color	Max. R.P.M.	Min. Pkg.	Case Qty.
4-1/2" x 5/8-11	879702	36	Brown	12,000	10	10
	051141-43615-9					
	879704					
	051141-43613-5	50	Green	12,000	10	10
	879706					
	051141-43614-2					
	80	Yellow	12,000	10	10	

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.

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. Durable, controlled and consistent finishes.

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.



	Buff & Blend Material				
	GP	HP	HS Regular	HS Coarse	
	1	2	3	4	5
Product Applications	Less Aggressive		Recommended Starting Point		More Aggressive
Blend: Blend minor surface imperfections, handling marks, coated abrasives secondary burrs	1 (VFN); 4 (MED)	–	3 (MED)	5 (CRS)	
Clean: Remove minor surface oxidation, coatings and rust; surface preparation prior to coating	1 (VFN)	–	4 (MED)	5 (CRS)	
Deburr: Remove part lines from small castings, small burrs from threaded pipes, flash from plastic molded parts	1 (MED)	2 (VFN)	3 (MED)	5 (CRS)	
Finish: Grain finishing on Stainless Steel after weld removal, cosmetic finishing on Aluminum castings	–	–	1 (VFN); 4 (MED)	5 (CRS)	
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 Aluminum Oxide	Maroon	Red	Pink	–	
Fine Aluminum Oxide	Maroon	–	–	–	
Medium Aluminum Oxide	Maroon	–	Blue	–	
Coarse Aluminum Oxide	Maroon	–	–	Green	
Very Fine Silicon Carbide	Gray	–	–	–	

Buff & Blend GP Discs

- 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

Grade	Grain	Color	3/4"		1"		1-1/2"		2"			3"		4"		5"	
			TS	TS	TS	TR	TS	TR	TP	TS	TR	TS	TS	TS	TS		
			Part # UPC (051115-)	Part # UPC (051115-)	Part # UPC (051115-)	Part # UPC (051115-)	Part # UPC (051115-)	Part # UPC (051115-)	Part # UPC (051115-)	Part # UPC (051115-)	Part # UPC (051115-)	Part # UPC (051115-)	Part # UPC (051115-)	Part # UPC (051115-)	Part # UPC (051115-)	Part # UPC (051115-)	
Coarse	Aluminum Oxide	Maroon	840011	840111	840211	810211	840311	—	—	840411*	—	—	—	—			
			35160-0	33081-0	35161-7	35153-2	33098-8	—	—	33115-2	—	—	—	—			
Medium	Aluminum Oxide	Maroon	840012	840112	840212	810212	840312	810312	840317	840412	810412	840512	840612				
			33066-7	32509-0	33088-9	33033-9	32510-6	33034-6	35183-9	32513-7	33038-4	35164-8	35167-9				
Fine	Aluminum Oxide	Maroon	840013	840113	840213	810213	840313	810313	—	840413	810413	—	—				
			33067-4	33082-7	33089-6	35152-5	32511-3	33035-3	—	32514-4	33039-1	—	—				
Very Fine	Aluminum Oxide	Maroon	840015	840115	840215	—	840315	810315	—	840415	810415	—	—				
			33068-1	33083-4	33090-2	—	32512-0	33036-0	—	33117-6	33040-7	—	—				
Very Fine	Silicon Carbide	Maroon	—	840121	—	—	840321	810321	—	840421*	—	—	—				
			—	33084-1	—	—	33100-8	35156-3	—	35169-3	—	—	—				
Max. R.P.M.			12,000	12,000	12,000	12,000	12,000	12,000	12,000	8,000	8,000	10,000	10,000				
Min. Pkg.			50	50	50	50	50	50	50	25	25	—	25				
Case Qty.			500	500	500	500	500	500	500	250	250	25	25				

*Min. Pkg. 25; Case Qty. 250

Call for delivery and minimums. See page 63 for holder pads.

GP 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 1/2"	12" x 1-1/4"
			Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Medium	Aluminum Oxide	Maroon	—	840710*	840810	840910	840110	—	—
			—	051115-33144-2	051115-36035-0	051115-36037-4	051115-36038-1	—	—
Fine	Aluminum Oxide	Maroon	840609	840709	—	840909*	840109*	849129	—
			051115-36032-9	051115-33143-5	—	051115-36036-7	051115-33080-3	051115-36060-2	—
Very Fine	Aluminum Oxide	Maroon	840608	840708*	—	840908*	840108*	—	849128
			051115-36031-2	051115-33142-8	—	051115-33146-6	051115-33079-7	—	051115-36059-6
Max. R.P.M.			4,000	3,600	3,000	2,700	2,000	1,800	1,800
Min. Pkg.			10	10	10	10	10	5	5
Case Qty.			100	100	10	100	100	5	5

*10 per case

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

Grade	Grain	Color	5" Plain	6" Plain	5" with 8 Dust Holes	6" with 8 Dust Holes
			Part # UPC	Part # UPC	Part # UPC	Part # UPC
Medium	Aluminum Oxide	Maroon	831610	831710*	831620	831720
			051115-33064-3	051115-32522-9	051115-36073-2	051115-36072-5
Very Fine	Aluminum Oxide	Maroon	831608*	831708	831618	831718
			051115-33063-6	051115-33065-0	051115-36072-5	051115-36074-9
Max. R.P.M.			10,000	10,000	10,000	10,000
Min. Pkg.			10	10	10	10
Case Qty.			100	100	100	100

*10 per case

Additional sizes are available. Call for delivery and minimums. See page 64 for holder pads.



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

Diameter	Hole	Grade	Grain	Description	TS Attachment	Recommended R.P.M.	Max. R.P.M.	Min. Pkg.	Case Qty.
					Part # UPC				
5/8"	1/16"	Fine	Aluminum Oxide	#30	800075	6,000	12,000	50	500
					051115-33030-8				
	5/64"	Fine	Aluminum Oxide	#21	800067	6,000	12,000	50	500
					051115-35171-6				
	3/32"	Fine	Aluminum Oxide	#10	800066	6,000	12,000	50	500
					051115-35170-9				

See page 66 for mandrels.

Buff & Blend High Strength (HS) Discs

- 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



HS Discs Quick Change Style

Grade	Grain	Color	1"		2"		3"		4"
			TS	TS	TR	TS	TR	TS	
			Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	
Coarse	Aluminum Oxide	Green	—	840314	840319	840414	840419	—	
			—	051115-33099-5	051141-43213-7	051115-33116-9	051115-35173-0	—	
Medium	Aluminum Oxide	Blue	840157	840357	840358	840457	840458	811410	
			051115-35157-0	051115-33105-3	051115-32515-1	051115-32508-3	051115-32125-1	051115-35944-6	
Very Fine	Aluminum Oxide	Maroon	—	840322*	840323	—	—	—	
			—	051115-33101-5	051141-43035-5	—	—	—	
Max. R.P.M.			12,000	12,000	8,000	8,000	10,000	10,000	
Min. Pkg.			50	50	50	25	25	10	
Case Qty.			500	200	200	100	100	10	

*Min. Pkg. 5; Case Qty. 500

See page 63 for holder pads.

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"	8" x 3/4"
			Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Coarse	Aluminum Oxide	Green	—	—	860706	—	860906	—
			—	—	051115-33228-9	—	051115-35968-2	—
Medium	Aluminum Oxide	Blue	—	813710	810710	—	810910	816910*
			—	051115-35960-6	051115-32517-5	—	051115-32518-2	051115-35975-0
Very Fine	Aluminum Oxide	Maroon	860608	—	860708	860808	860908	866908
			051115-35964-4	—	051115-32519-9	051115-35966-8	051115-33229-6	051115-35974-3
Max. R.P.M.			4,000	3,600	3,600	3,000	2,700	2,700
Min. Pkg.			10	10	10	10	10	10
Case Qty.			10	100	100	10	100	100

*Min. Pkg. 5; Case Qty. 50

Grade	Grain	Color	10" x 1/2"	10" x 3/4"	10" x 7/8"	12" x 3/4"	12" x 1"	12" x 1-1/4"
			Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Coarse	Aluminum Oxide	Green	—	—	—	—	—	869126
			—	—	—	—	—	051115-35994-1
Medium	Aluminum Oxide	Blue	—	816110	—	—	818130**	819130**
			—	051115-35976-7	—	—	051115-35984-2	051115-35993-4
Very Fine	Aluminum Oxide	Maroon	860108	—	867108	866128	868128	869128
			051115-33227-2	—	051115-35978-1	051115-35977-4	051115-35983-5	051115-35992-7
Max. R.P.M.			2,000	2,000	2,000	1,800	1,800	1,800
Min. Pkg.			10	10	10	5	5	5
Case Qty.			10	10	50	50	5	50

**Min. Pkg. 5; Case Qty. 25

Additional sizes available. Call for delivery and minimums.

HS Medium Type F with Center Hole

High Strength Medium Type F Discs produce consistent satin finishes on Brass, Stainless Steel, Aluminum, Chrome and Nickel plated fixtures.

Size	Part # UPC	Grade	Grain	Color	Max. R.P.M.	Min. Pkg.	Case Qty.
6" x 1/2"	860710	Medium	Aluminum Oxide	Blue	3,600	5	5
	051115-32520-5						
8" x 1/2"	860910	Medium	Aluminum Oxide	Blue	2,700	5	50
	051115-33230-2						
10" x 5/8"	865110	Medium	Aluminum Oxide	Blue	2,000	—	5
	051115-35973-6						
12" x 1-1/4"	869130	Medium	Aluminum Oxide	Blue	1,800	5	5
	051115-35998-9						

HS Type 27 Discs

Size	Part # UPC	Grade	Grain	Color	Max. R.P.M.	Min. Pkg.	Case Qty.
4-1/2" x 7/8"	811030	Coarse	Aluminum Oxide	Green	8,000	5	50
	051115-33042-1						
	811031	Medium	Aluminum Oxide	Blue	8,000	5	50
	051115-37667-2						

TS Attachment System with 5/8–11 Hub

- For large surface prep work
- Quick Change System without exposed hardware on the abrasive surface
- Combine Surface Conditioning and Buff & Blend for a complete system
- 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



Surface Conditioning TS with 5/8–11 Threaded Hub

- Tool shank does not protrude through disc for safe, large surface preparation
- Combine with Coated and Buff & Blend for complete system

Size	Grade	Grain	RC	FE	GP	XD
			TS	TS	TS	TS
			Part # UPC	Part # UPC	Part # UPC	Part # UPC
4-1/2"	Coarse	Aluminum Oxide	843533	843531*	843537*	848531*
			051115-36922-3	051115-33147-3	051115-32495-6	051141-43477-3
	Medium	Aluminum Oxide	843535	843532*	843538*	848532*
			051115-36921-6	051115-33148-0	051115-32496-3	051141-43474-2
	Very Fine	Aluminum Oxide	—	843534	843539**	—
			—	051115-33149-7	051115-33150-3	—
5"	Coarse	Aluminum Oxide	—	—	843737	848731
			—	—	051115-32497-0	051141-43478-0
	Medium	Aluminum Oxide	—	843732	843738	848732
			—	051115-33152-7	051115-32498-7	051141-43475-9
	Very Fine	Aluminum Oxide	843736	843734	843739	—
			051115-36923-0	051115-36872-1	051115-32499-4	—
7"	Coarse	Aluminum Oxide	—	843931*	843937*	848931***
			—	051115-36871-4	051115-32500-7	051141-43479-7
	Medium	Aluminum Oxide	—	843932*	843938*	—
			—	051115-36870-7	051115-33153-4	—
Min. Pkg.			10	10	10	10
Case Qty.			100	100	100	100

*10 per case **Min. Pkg. 10; Case Qty. 50 ***25 per case

Also available with 5/8" and 7/8" nominal hole. Call for delivery and minimums. See page 64 for holder pads.

Buff & Blend High Strength (HS) with 5/8–11 Threaded Hub

- 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

Size	Part # UPC	Grade	Grain	Color	Max. R.P.M.	Min. Pkg.	Case Qty.
4-1/2" x 5/8–11	846821	Coarse	Aluminum Oxide	Green	10,000	5	50
	051115-35159-4						
	846822	Medium	Aluminum Oxide	Blue	10,000	5	50
	051115-35158-7						
5" x 5/8–11	846921	Coarse	Aluminum Oxide	Green	10,000	5	50
	051115-33170-1						
	846922	Medium	Aluminum Oxide	Blue	10,000	5	50
	051115-33171-8						

See page 63 for holder pads.

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	TR	TS	TR
			Part # UPC	Part # UPC	Part # UPC	Part # UPC
Very Fine	Aluminum Oxide	Red	850315	850325	850415	850425
			051115-35174-7	051115-35176-1	051115-35175-4	051115-35177-8
Max. R.P.M.			12,000	12,000	8,000	8,000
Min. Pkg.			50	50	25	25
Case Qty.			500	500	250	250

See page 63 for holder pads.

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 # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Very Fine	Aluminum Oxide	Red	850608	850708	850808	850908	850108	859128
			051115-33184-8	051115-32516-8	051115-35934-7	051115-35935-4	051115-35936-1	051115-33225-8
Max. 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.			10	100	10	100	10	50

Buff & Blend AP Discs

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



AP Discs with Center Hole

Grade	Grain	Color	6" x 1/4"	6" x 1/2"	8" x 1/2"	8" x 3/4"	8" x 1-1/4"
			Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Medium	Aluminum Oxide	Tan	873710	870710	870910	876910	—
			051115-35908-8	051115-35909-5	051115-35910-1	051115-35912-5	—
Very Fine	Aluminum Oxide	Red	853708	—	—	—	859908
			051115-35932-3	—	—	—	051115-35938-5
Max. R.P.M.			3,600	3,600	2,700	2,700	2,700
Min. Pkg.			10	10	10	—	10
Case Qty.			10	100	100	10	10

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

Felt Polishing Discs

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



Size	TS	TR	Max. R.P.M.	Min. Pkg.	Case Qty.
	Part # UPC	Part # UPC			
1"	840100	—	20,000	10	100
	051151-37705-1	—			
2"	840300	840380	20,000	10	100
	051151-37706-8	051151-33107-7			
3"	840400	840480	18,000	10	100
	051151-37707-5	051151-33126-8			

See page 63 for holder pads.

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



Grade	Grain	2"			3"			
		1-Ply	2-Ply	3-Ply	1-Ply	2-Ply	3-Ply	4-Ply
		Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Medium	A/O	880213	880215	880216	880413	880415	880416	880417
		051115-33288-3	051115-33289-0	051115-33290-6	051115-33293-7	051115-33294-4	051115-32524-3	051115-35838-8
Very Fine	A/O	880313	880315	880316	880513	880515	880516	—
		051115-33291-3	051115-35829-6	051115-33292-0	051115-33296-8	051115-33297-5	051115-32525-0	—
Max. R.P.M.		12,000	12,000	12,000	8,000	8,000	8,000	8,000
Min. Pkg.		10	10	10	10	10	10	5
Case Qty.		100	100	100	100	100	100	50

Grade	Grain	4"			5"	
		2-Ply	3-Ply	4-Ply	2-Ply	3-Ply
		Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Medium	A/O	880615	880616	880617	880815	880816
		051115-33300-2	051115-35841-8	051115-35843-2	051115-33303-3	051115-33304-0
Very Fine	A/O	880715	880716	—	880915	880916
		051115-35840-1	051115-35842-5	—	051115-35845-6	051115-35846-3
Max. R.P.M.		6,000	6,000	6,000	4,000	4,000
Min. Pkg.		5	5	5	5	5
Case Qty.		5	5	5	5	5

Call for delivery and minimums.

HS Medium Wheels

Size	Part # UPC	Ply	Grade	Grain	Max. R.P.M.	Min. Pkg.	Case Qty.
3"	880475	2	Medium	A/O	8,000	10	100
	051115-33295-1						
	880476	3	Medium	A/O	8,000	10	100
	051115-35835-7						

Buff & Blend Wheels (cont.)

GP Circle Buffs

- Plies are held together with a threaded eyelet

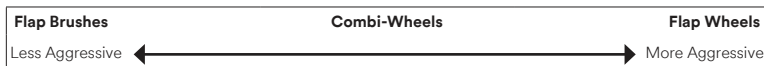
Grade	Grain	2"			3"	
		1-Ply	2-Ply	3-Ply	1-Ply	3-Ply
		Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Medium	Aluminum Oxide	724274	724276	724278	724280	724284
		051115-33001-8	051115-37168-4	051115-37170-7	051115-37172-1	051115-37175-2
Very Fine	Aluminum Oxide	724275	724277	724279	—	—
		051115-37167-7	051115-37169-1	051115-37171-4	—	—
Eyelet		8-32	8-32	8-32	1/4-20	1/4-20
Max. R.P.M.		12,000	12,000	12,000	8,000	8,000
Min. Pkg.		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 0.40" thick. 1-ply of Medium is approximately 0.33" thick. See page 66 for mandrels.

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.

- 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"
			Part # UPC	Part # UPC	Part # UPC
60	Aluminum Oxide	Medium	898000	898004	898008
			051115-42800-5	051115-42804-3	051115-42807-4
80	Aluminum Oxide	Medium	898001	898005	898009
			051115-42543-1	051115-42805-0	051115-42547-9
80	Silicon Carbide	Very Fine	—	—	898015
			—	—	051115-42808-1
120	Aluminum Oxide	Very Fine	898002	898006	898010
			051115-42544-8	051115-42546-2	051115-42548-6
180	Aluminum Oxide	Very Fine	898003	898007	898011
			051115-42545-5	051115-42806-7	051115-42549-3
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

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



Grade	Grain	2" x 2" x 1/4"		3" x 2" x 1/4"	
		GP Part # UPC	AP Part # UPC	GP Part # UPC	AP Part # UPC
Medium	Aluminum Oxide	875500	875510	875501	875511
		051115-42539-4	051115-42541-7	051115-42540-0	051115-42542-4
Color		Maroon	Tan	Maroon	Tan
Max. R.P.M.		15,000	15,000	12,000	12,000
Min. Pkg.		10	10	5	5
Case Qty.		100	100	50	50

Mini Brushes

Standard Abrasives Mini Brushes are the fast, easy way to restore finishes to their original condition.

- Delivers high-quality finish
- Long-lasting
- Easy to control
- Conforms to most surface geometries
- Saves time and labor costs
- Uses a simple repeatable procedure that any operator can quickly master



Mini Brush	Size	Grain	Grade	Part # UPC	Max. R.P.M.	Case Qty.		
High-Strength Mini-Brush	4-1/2" x 2" x 5/8-11	Aluminum Oxide	Medium	875710	3,500	1		
				051141-53878-5				
		875709	3,500	2				
	051141-53877-8							
	4-1/2" x 4" x 5/8-11	Aluminum Oxide	Medium	875701	3,500	1		
				051141-53869-3				
Aluminum Oxide		Coarse	875700	3,500	1			
			051141-53868-6					
Mini-Brush	4-1/2" x 2" x 5/8-11	Aluminum Oxide	Very Fine	875713	3,500	1		
				051141-53881-5				
		Aluminum Oxide	Medium	875712	3,500	1		
				051141-53880-8				
		Aluminum Oxide	Extra Coarse	875711	3,500	1		
				051141-53879-2				
	Silicon Carbide	Medium	875714	3,500	1			
			051141-53882-2					
	4-1/2" x 4" x 5/8-11	Aluminum Oxide	Very Fine	875704	3,500	1		
				051141-53872-3				
		Aluminum Oxide	Medium	875703	3,500	1		
				051141-53871-6				
Aluminum Oxide		Extra Coarse	875702	3,500	1			
			051141-53870-9					
Silicon Carbide	Medium	875705	3,500	1				
		051141-53873-0						
Mini-Brush Interleaf	4-1/2" x 2" x 5/8-11	Aluminum Oxide	100	875716	3,500	1		
				051141-53884-6				
		Aluminum Oxide	150	875717			3,500	1
				051141-53885-3				
	4-1/2" x 4" x 5/8-11	Aluminum Oxide	60	875706	3,500	1		
				051141-53874-7				
		Aluminum Oxide	100	875707			3,500	1
				051141-53875-4				
Aluminum Oxide	150	875708	3,500	1				
		051141-53876-1						

Additional sizes are available. Call for delivery and minimums.

Buff & Blend Flap Brushes (cont.)

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 brush 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



Density	Grade	Color	6" x 1" x 2"	6" x 2" x 2"	8" x 1" x 3"	8" x 1-1/2" x 3"
			Part # UPC	Part # UPC	Part # UPC	Part # UPC
Medium	Very Fine	Maroon	875000	875025	875002	—
			051115-36695-6	051115-36696-3	051115-36697-0	—
			875001	875076	875003	—
	HS Medium	Blue	051115-36658-1	051115-36659-8	051115-36660-4	—
			875143	—	875176	—
			051115-33259-3	—	051115-33262-3	—
Hard	Very Fine	Maroon	875008	—	875010	—
			051115-36704-5	—	051115-33256-2	—
	Medium	Maroon	875009	—	875011	875224
			051115-36668-0	—	051115-33257-9	051115-33264-7
	HS Very Fine	Maroon	—	—	—	875121
			—	—	—	051115-36761-8
	HS Medium	Blue	875139	—	—	—
			051115-36743-4	—	—	—
Max. R.P.M.			3,400	3,400	3,200	3,200
Min. Pkg.			1	1	1	1
Case Qty.			3	2	3	2

Density	Grade	Color	8" x 2" x 3"	12" x 1" x 5"	12" x 1-1/2" x 5"	12" x 2" x 5"
			Part # UPC	Part # UPC	Part # UPC	Part # UPC
Medium	Very Fine	Maroon	875074	—	—	875006
			051115-36698-7	—	—	051115-33254-8
			875021	875005	—	875007
	HS Medium	Blue	051115-36661-1	051115-36663-5	—	051115-33255-5
			875175	875144	875221	875145
			051115-33261-6	051115-33260-9	051115-36767-0	051115-36768-7
Hard	Very Fine	Maroon	—	875012	—	875014
			—	051115-36709-0	—	051115-36710-6
	Medium	Maroon	875023	875013	—	875015
			051115-36717-5	051115-36673-4	—	051115-33258-6
	HS Very Fine	Maroon	—	—	—	875181
			—	—	—	051115-36763-2
	HS Medium	Blue	—	875205	875285	875140
			—	051115-36749-6	051115-42298-0	051115-36750-2
Max. R.P.M.			3,200	2,500	2,500	2,500
Min. Pkg.			1	1	1	1
Case Qty.			2	4	3	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.

Buff & Blend Specialties: Miscellaneous

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
- Eliminates changing critical tolerances
- Cool running
- Satin finishes on soft metals
- Quick change



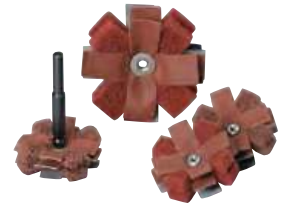
Size x Width	Part # UPC	Ply	Eyelet	Grade	Color	Grain	Max. R.P.M.	Min. Pkg.	Case Qty.								
3/4" x 3/8"	725017	2	8-32	GP Fine	Maroon	Aluminum Oxide	20,000	50	500								
	051115-37144-8																
	725019	2	8-32	HS Medium	Blue	Aluminum Oxide	20,000	50	500								
	051115-37143-1																
	725011																
051115-37145-5	2	8-32	HP Very Fine	Maroon	Aluminum Oxide	20,000	50	500									
727334																	
051115-37146-2																	
725007																	
051115-33009-4																	
725008	2	8-32	HP Very Fine	Maroon	Aluminum Oxide	20,000	50	500									
051115-33010-0																	
1" x 3/8"	727460	3	8-32	HS Medium	Blue	Aluminum Oxide	20,000	50	500								
	051115-37166-0																
	727459	3	8-32	HP Very Fine	Maroon	Aluminum Oxide	20,000	50	500								
1-1/4" x 1/2"	051115-37165-3	3	8-32	HP Very Fine	Maroon	Aluminum Oxide	20,000	50	500								
	725000									2	8-32	GP Very Fine	Gray	Silicon Carbide	20,000	50	500
	051115-33006-3																
1-1/2" x 1/2"	725002	2	8-32	GP Very Fine	Gray	Aluminum Oxide	20,000	50	500								
	051115-37151-6																
	725014	2	8-32	GP Medium	Maroon	Aluminum Oxide	20,000	50	500								
	051115-33013-1																
	725004	2	8-32	GP Coarse	Brown	Aluminum Oxide	20,000	50	500								
	051115-37149-3																
	727394	2	8-32	HS Coarse	Green	Aluminum Oxide	20,000	50	500								
	051115-37150-9																
	725012	2	8-32	HS Medium	Blue	Aluminum Oxide	20,000	50	500								
	051115-33011-7																
	725013	2	8-32	HP Very Fine	Maroon	Aluminum Oxide	20,000	50	500								
	051115-33012-4																
	725001	3	8-32	GP Medium	Maroon	Aluminum Oxide	20,000	50	500								
	051115-37152-3																
	725005	3	8-32	HS Medium	Blue	Aluminum Oxide	20,000	50	500								
	051115-33007-0																
	725006	3	8-32	HP Very Fine	Maroon	Aluminum Oxide	20,000	50	500								
051115-33008-7																	
2" x 1/2"	727395	2	8-32	HS Coarse	Green	Aluminum Oxide	12,000	25	250								
	051115-37153-0																
	727396	2	8-32	HS Medium	Blue	Aluminum Oxide	12,000	25	250								
	051115-37154-7																
	727397																
051115-37155-4	2	8-32	HP Very Fine	Red	Aluminum Oxide	12,000	25	250									
2" x 3/4"	727398	2	1/4-20	HS Coarse	Green	Aluminum Oxide	12,000	25	250								
	051115-37157-8																
	727399	2	1/4-20	HS Medium	Blue	Aluminum Oxide	12,000	25	250								
	051115-37158-5																
	727400																
051115-37159-2	2	1/4-20	HP Very Fine	Red	Aluminum Oxide	12,000	25	250									
3" x 3/4"	727401	2	1/4-20	HS Coarse	Green	Aluminum Oxide	8,000	25	25								
	051115-37161-5																
	727402	2	1/4-20	HS Medium	Blue	Aluminum Oxide	8,000	25	25								
	051115-37162-2																
	727403																
051115-37163-9	2	1/4-20	HP Very Fine	Red	Aluminum Oxide	8,000	25	25									

See page 66 for mandrels.

Buff & Blend Specialties: Miscellaneous (cont.)

Combi Cross Buffs

- Incorporating both Buff & Blend and Coated Abrasive materials for greater stock removal
- Very flexible and provides clean burr-free finishes



Size x Width	Part # UPC	Ply	Eyelet	Grade	Color	Grain	Max. R.P.M.	Min. Pkg.	Case Qty.
2" x 1/2"	727405	2	8-32	GP Medium 80	Maroon	Aluminum Oxide	12,000	25	250
	051115-37128-8								
	727406								
3" x 3/4"	051115-27129-5	2	1/4-20	GP Medium 60	Maroon	Aluminum Oxide	8,000	25	25
	727408								
	051115-37131-8								
3" x 3/4"	727410	2	1/4-20	HP Very Fine 120	Red	Aluminum Oxide	8,000	25	25
	051115-37133-2								

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	2" x 30"	4" x 30'	6" x 30'	4" x 30'	6" x 30'	4" x 30'	6" x 30'
		Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Coarse	A/O	—	Green	—	—	—	—	—	830130	—	—
					—	—	—	—	051115-35870-8	—	—
Medium	A/O	Maroon	Blue	—	800082	830010	830011	830270	830271	—	—
					051115-35897-5	051115-33058-2	051115-33059-9	051115-35869-2	051115-35871-5	—	—
Fine	A/O	Maroon	—	—	800081	830015	830016	—	—	—	—
					051115-35898-2	051115-33060-5	051115-35901-9	—	—	—	—
Very Fine	A/O	Maroon	Maroon	Red	830042	830020	830021	830170	830171	830070	830071
					051115-35899-9	051115-35900-2	051115-35902-6	051115-33062-9	051115-35872-2	051115-32523-6	051115-35864-7
Very Fine	S/C	Gray	—	—	—	830025	830026	—	—	—	—
					—	051115-33061-2	051115-35903-3	—	—	—	—
Rolls per Case					6	3	2	3	2	3	2

General Hand Pads

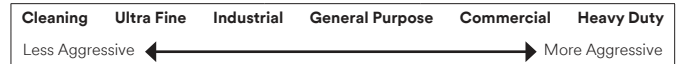
Designed for hand applications such as deburring, polishing, cleaning, finishing and surface preparation on metal composite or plastic surfaces. They can replace steel wool, files, scrapers, wire brushes and sandpaper sheets.



	Hand Pad Material						
	Heavy Duty	General Purpose	Ultra Fine	Cleaning	Industrial	Commercial	Power Pad
Product Applications							
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

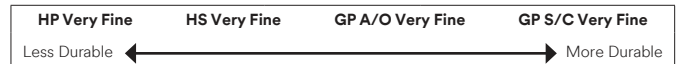
- Washable; reusable and rust proof
- Various grades adapt to specific jobs



Description	Part # UPC	Grain	Color	Size	Min. Pkg.
Heavy Duty	827510	Aluminum Oxide	Tan	6" x 9"	1 Case = 40 Pads
	051115-32528-1				
General Purpose	827505	Aluminum Oxide	Maroon	6" x 9"	1 Case = 60 Pads
	051115-32527-4				
Ultra Fine	827500	Silicon Carbide	Gray	6" x 9"	1 Case = 60 Pads
	051115-32526-2				
Cleaning	827525	-	White	6" x 9"	1 Case = 60 Pads
	051115-33054-9				

Power Pads

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

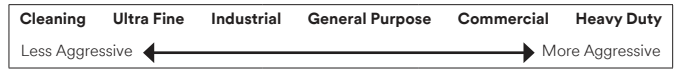


Description	Part # UPC	Grain	Color	Size	Min. Pkg.
GP Very Fine	827600	Aluminum Oxide	Maroon	6" x 9"	1 Case = 50 Pads
	051115-33055-1				
GP Very Fine	827605	Silicon Carbide	Gray	6" x 9"	1 Case = 50 Pads
	051115-33056-8				
HP Very Fine	827620	Aluminum Oxide	Red	6" x 9"	1 Case = 50 Pads
	051115-33057-5				
HS Very Fine	827630	Aluminum Oxide	Pink	6" x 9"	1 Case = 50 Pads
	051115-37699-3				

Scouring Hand Pads

Industrial Scouring Hand Pad

- 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



Description	Part # UPC	Grain	Color	Size	Min. Pkg.
Industrial Grade	827520	Aluminum Oxide	Green	6" x 9"	1 Case = 60 Pads
	051115-32529-3				

Hand Pad Holder

Description	Part # UPC	Color	Min. Pkg.
Hand Pad Holder	827000	Orange	1
	051115-33052-0		



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.

Description	Part # UPC	Size	Color	Max. R.P.M.	Min. Pkg.	Case Qty.
Quick Change TS	840397	2"	Black	12,000	25	250
	051115-35145-7					
	840497	3"	Black	8,500	10	100
	051115-35146-4					
	843890	4-1/2" x 5/8-11	Black	6,000	5	50
	051115-35149-5					
843990	5" x 5/8-11	Black	6,000	5	50	
051115-35150-1						
Quick Change TR	840398	2"	Black	12,000	25	250
	051115-35147-1					
	840498	3"	Black	8,500	10	100
	051115-35148-8					
Type 27 Disc	811027	4-1/2" x 1/2" x 7/8"	Black	10,000	5	50
	051115-33041-4					
Arbor Hole Disc	843401	4" x 1/4"	Black	6,000	10	10
	051115-35918-7					
	840701	6" x 1/2"	Black	4,000	5	50
	051115-33140-4					
Spindle Mounted Wheel	880493	3" x 1 Ply x 1/4"	Black	10,000	5	50
	051115-35824-1					
	880495	3" x 2 Ply x 1/4"	Black	10,000	5	50
	051115-35825-8					

Additional sizes are available. Call for delivery and minimums.
See page 63 for holder pads.

Cleaning Discs Pro

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

Description	Part # UPC	Size	Color	Max. R.P.M.	Min. Pkg.	Case Qty.
Quick Change TS — SocAtt	840396	2"	Blue	12,000	25	250
	051115-35143-3					
Quick Change TR — Lockit	840399	2"	Blue	12,000	25	250
	051115-33114-5					
	840499	3"	Blue	8,500	10	100
Type 27 Disc	811127	4-1/2" x 1/2" x 7/8"	Blue	10,000	5	50
	051115-33043-8					
Arbor Hole Disc	843402	4" x 1/4"	Blue	6,000	10	10
	051115-35914-9					
	840702	6" x 1/2"	Blue	4,000	5	100
	051115-33141-1					
	840902	8" x 1/2"	Blue	3,000	5	50
051115-33145-9						

Additional sizes are available. Call for delivery and minimums.
See page 63 for holder pads.

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.

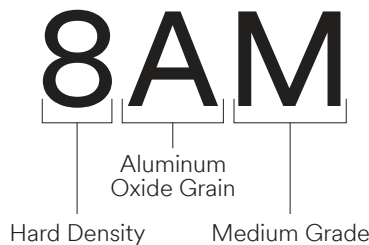
Metal Finishing Wheels: The “Red” Wheels’ durable construction provides users with a long-lasting finishing wheel for decorative satin and antique finishing of Stainless Steel, Brass and Aluminum.

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.

General Purpose Wheels: Good, every day performance for light-medium deburring, edge radiusing, and finishing of all metals.



Density Number	Grain
2 = Extra Soft	A = Aluminum Oxide (A/O)
5 = Soft	S = Silicon Carbide (S/C)
6 = Soft/Medium	
7 = Medium/Hard	
8 = Hard	
9 = Extra Hard	
10 = Hardest	
	Grade
	F = Fine
	M = Medium
	C = Coarse



	Convolute Wheel Line					
	Multi-Finish	GP Plus	Deburring	LDW	Metal Finishing	General Purpose
Product Applications						
Deburr		10SF; 9SF; 8SF		7SF		9SF
Clean		8AM; 8SF		8SF; 7SF		9SF
Blend		10SF; 9SF; 8SF		7SF		
Finish		8AM			6AM; 5AM	9SF
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	■	■	■		■	
Fine		■	■	■		■

Convolute Wheels (cont.)

GP Plus Convolute Wheels

- Best wheel for deburring, blending and cleaning when a consistent cut rate and wheel durability are a primary requirement
- Fast and effortless (high cut rate even at low contact pressures); quick edge breaking and burr removal
- 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



Grade	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"
			Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Medium	8AM	A/O	853042	853142	—	853742	853342	853442
			051115-37022-9	051115-32480-2	—	051115-33209-8	051115-33204-3	051115-37024-3
Fine	8SF	S/C	853053	853153	—	853753	853353	853453
			051115-37039-7	051115-37040-3	—	051115-37042-7	051115-33205-0	051115-33208-1
Medium	8SM	S/C	853052	853152	853252	853752	853352	853452
			051115-37031-1	051115-37032-8	051115-37033-5	051115-37034-2	051115-37035-9	051115-37036-6
Fine	9SF	S/C	854053	854153	854253	854753	854353	854453
			051115-37052-6	051115-32481-9	051115-37054-0	051115-33215-9	051115-33214-2	051115-37057-1
Fine	10SF	S/C	855053	855153	—	855753	855353	—
			051115-37066-3	051115-37067-0	—	051115-37069-4	051115-33218-0	—
Fine	11SF	S/C	850345	850153	—	—	850353	850453
			051115-37081-6	051115-37051-9	—	—	051115-37083-0	051115-42294-2
Max. R.P.M.			6,000	6,000	—	4,500	4,500	4,500
Min. Pkg.			1	1	1	1	1	1
Case Qty.			4	3	2	4	3	2

Grade	Spec.	Grain	12" x 1/2" x 5"	12" x 1" x 5"	12" x 2" x 5"	14" x 2" x 8"	14" x 3" x 8"
			Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Medium	8AM	A/O	850286	853942	853842	—	—
			051115-37026-7	051115-33211-1	051115-37027-4	—	—
Fine	8SF	S/C	850256	853953	853853	—	—
			051115-37044-1	051115-33212-8	051115-37046-5	—	—
Medium	8SM	S/C	—	853952	—	—	—
			—	051115-37038-0	—	—	—
Fine	9SF	S/C	—	854953	854853	850285	850268
			—	051115-37061-8	051115-33216-6	051115-37064-9	051115-37065-6
Fine	10SF	S/C	—	855953	855853	—	—
			—	051115-37074-8	051115-37075-5	—	—
Fine	11SF	S/C	—	850953	—	—	—
			—	051115-37085-4	—	—	—
Max. R.P.M.			3,000	3,000	3,000	2,550	2,550
Min. Pkg.			1	1	1	1	1
Case Qty.			5	2	1	1	1

Additional sizes are available. 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 1/2" x 1"	6" x 1" x 1"	6" x 2" x 1"	8" x 1" x 3"	8" x 2" x 3"	12" x 1/2" x 5"	12" x 1" x 5"	12" x 2" x 5"
			Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Medium	4AM	A/O	—	—	—	857382	857482	—	—	—
			—	—	—	051115-37103-5	051115-37104-2	—	—	—
Medium	5AM	A/O	858082	858182	858282	858382	858482	850171	858982	858882
			051115-37105-9	051115-32485-7	051115-37106-6	051115-37108-0	051115-37109-7	051115-37114-1	051115-37116-5	051115-33224-1
Medium	6AM	A/O	—	859182	859282	859382	859482	—	—	—
			—	051115-37124-0	051115-37125-7	051115-37126-4	051115-33226-5	—	—	—
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	5	2	1

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

Convolute Wheels (cont.)

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"
			Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Medium	2SM	S/C	856192	856292	850306	856392	856492	—	856892
			051115-36967-4	051115-33220-3	051115-36968-1	051115-36969-8	051115-33222-7	—	051115-36971-1
Coarse	2SC	S/C	856191	856291	850307	856391	856491	856991	856891
			051115-33219-7	051115-36961-2	051115-36962-9	051115-36963-6	051115-33221-0	051115-36965-0	051115-36966-7
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	1	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.

General Purpose Convolute Wheels

Great versatility! Standard Abrasives General Purpose

Wheels are ideal for a wide range of shop jobs, including:

- Light to medium deburring
- Edge radiusing
- Cleaning / finishing
- Light defect removal



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"
			Part # UPC	Part # UPC	Part # UPC	Part # UPC
Fine	9SF	S/C	850373	850374	850375	850376
			051141-43552-7	051141-43553-4	051141-43554-1	051141-43555-8
Max. R.P.M.			6,000	6,000	4,500	4,500
Min. Pkg.			5	5	5	5
Case Qty.			5	5	5	5

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

Convolute Wheels (cont.)

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"
				Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Fine	Medium	8SF	S/C	853093	853193	—	853793	853393	853493
				051115-33193-0	051115-32482-6	—	051115-37090-8	051115-33206-7	051115-37091-5
Fine	Hard	9SF	S/C	854093	854193	854293	854793	854393	854493
				051115-33213-5	051115-32484-0	051115-37092-2	051115-37093-9	051115-37094-6	051115-37095-3
Fine	Hard	10SF	S/C	855093	855193	—	—	—	—
				051115-37096-0	051115-33217-3	—	—	—	—
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"	6" x 2" x 1"	8" x 1/2" x 3"	8" x 1" x 3"	8" x 2" x 3"
			Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Fine	6SF	S/C	851033	851133	—	851733	851333	—
			051115-36974-2	051115-36975-9	—	051115-36976-6	051115-36977-3	—
Fine	7SF	S/C	852033	852133	852233	852733	852333	852433
			051115-36989-6	051115-32479-6	051115-36990-2	051115-36991-9	051115-33189-3	051115-36993-3
Fine	8SF	S/C	853033	853133	—	853733	853333	—
			051115-37004-5	051115-37005-2	—	051115-37009-0	051115-37010-6	—
Max. R.P.M.			6,000	6,000	6,000	4,500	4,500	4,500
Min. Pkg.			1	1	1	1	1	1
Case Qty.			4	3	2	4	3	2

Grade	Spec.	Grain	12" x 1/2" x 5"	12" x 3/4" x 5"	12" x 1" x 5"	12" x 2" x 5"	14" x 2" x 8"
			Part # UPC	Part # UPC	Part # UPC	Part # UPC	Part # UPC
Fine	6SF	S/C	—	—	851933	851833	—
			—	—	051115-36982-7	051115-36983-4	—
Fine	7SF	S/C	850258	850357	852933	852833	850274*
			051115-36996-4	051115-43314-6	051115-33192-3	051115-36997-1	051115-37000-7
Fine	8SF	S/C	850259	850333	853933	853833	850282
			051115-37015-1	051115-37016-8	051115-37017-5	051115-33210-4	051115-37020-5
Max. R.P.M.			3,000	3,000	3,000	3,000	2,550
Min. Pkg.			1	1	1	1	1
Case Qty.			5	2	2	1	1

*2 per case

Additional sizes are available. Call for delivery and minimums.

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.

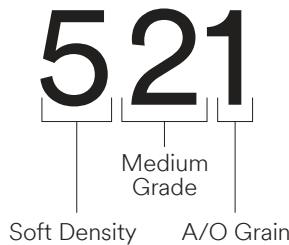
700 Series: Medium/Hard density with increased edge durability and life for tough deburring and cleaning applications.

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.

Density Number	Grade	Grain
5 = Soft	1 = Coarse	1 = A/O
6 = Soft/Medium	2 = Medium	2 = S/C
7 = Medium/Hard	3 = Fine	4 = S/C Firm*
8 = Hard		
9 = Extra Hard		

*Available only as a Type 524



	Unitized Wheel Line				
	500 Series	600 Series	700 Series	800 Series	900 Series
Product Applications					
Deburr		631	731	821	913, 993
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 (cont.)

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



Size	Part # UPC	Type	Density	Grain	Grade	Max. R.P.M.	Min. Pkg.	Case Qty.
1" x 1/4" x 1/16"	890382	524	Soft	Silicon Carbide	Medium	18,000	100	100
	051115-35370-3							
1" x 1/4" x 1/8"	853201	532	Soft	Silicon Carbide	Fine	18,000	10	10
	051115-35371-0							
1" x 1" x 3/16"	852105	521	Soft	Aluminum Oxide	Medium	20,000	10	10
	051115-35374-1							
	852405	524	Soft	Silicon Carbide	Medium	20,000	10	10
	051115-35375-8							
	853205							
	051115-33196-1							
2" x 1/4" x 1/8"	852109	521	Soft	Aluminum Oxide	Medium	18,000	10	10
	051115-35379-6							
	890196	532	Soft	Silicon Carbide	Fine	18,000	10	10
	051115-35380-2							
2" x 1/4" x 3/16"	852413	524	Soft	Silicon Carbide	Medium	18,000	10	10
	051115-35381-9							
	853213	532	Soft	Silicon Carbide	Fine	18,000	10	10
	051115-35382-6							
2" x 1/4" x 1/4"	852110	521	Soft	Aluminum Oxide	Medium	18,000	10	10
	051115-33186-2							
	852410	524	Soft	Silicon Carbide	Medium	18,000	10	10
	051115-35383-3							
	853210							
051115-33197-8	532	Soft	Silicon Carbide	Fine	18,000	10	10	
852115								
2" x 1/2" x 1/4"	051115-35384-0	521	Soft	Aluminum Oxide	Medium	18,000	10	10
	853215							
	051115-35385-7	532	Soft	Silicon Carbide	Fine	18,000	10	10
890386								
2" x 1/4" x 1/16"	051115-35378-9	524	Soft	Silicon Carbide	Fine	18,000	10	10
	852135							
3" x 1/4" x 1/4"	051115-32477-2	521	Soft	Aluminum Oxide	Medium	12,000	10	10
	852435							
	051115-33190-9	524	Soft	Silicon Carbide	Medium	12,000	10	10
	853235							
	051115-33198-5							
3" x 1/4" x 3/8"	852437	524	Soft	Silicon Carbide	Medium	12,000	10	10
	051115-35389-5							
	853237	532	Soft	Silicon Carbide	Fine	12,000	10	10
	051115-33199-2							
3" x 1/2" x 1/4"	852140	521	Soft	Aluminum Oxide	Medium	12,000	10	10
	051115-33187-9							
	853240	532	Soft	Silicon Carbide	Fine	12,000	10	10
	051115-33200-5							
3" x 1" x 1/4"	853250	532	Soft	Silicon Carbide	Fine	12,000	10	10
	051115-35394-9							
4" x 1/4" x 1/4"	852454	524	Soft	Silicon Carbide	Medium	12,000	10	10
	051115-35395-6							
	853254	532	Soft	Silicon Carbide	Fine	12,000	10	10
	051115-33201-2							
4" x 1/4" x 3/8"	852455	524	Soft	Silicon Carbide	Medium	12,000	10	10
	051115-35396-3							
	853255	532	Soft	Silicon Carbide	Fine	12,000	10	10
	051115-35397-0							
5" x 1/4" x 1/4"	890317	524	Soft	Silicon Carbide	Medium	12,000	10	10
	051115-35402-1							
	890244	532	Soft	Silicon Carbide	Fine	12,000	10	10
	051115-35403-8							

Additional sizes and grades for Unitized Wheels are available. Call for specific product information regarding your request. See page 65 for mandrels.

Continued on next page >

Unitized Wheels (cont.)

500 Series Unitized Wheels (cont.)

Size	Part # UPC	Type	Density	Grain	Grade	Max. R.P.M.	Min. Pkg.	Case Qty.
6" x 1/4" x 1/4"	890170	532	Soft	Silicon Carbide	Fine	6,000	1	10
	051115-35404-5							
6" x 1/4" x 1/2"	852173	521	Soft	Aluminum Oxide	Medium	6,000	1	10
	051115-35405-2							
	852473	524	Soft	Silicon Carbide	Medium	6,000	1	10
	051115-35406-9							
	853273							
051115-35407-6	532	Soft	Silicon Carbide	Fine	6,000	1	10	
6" x 1/4" x 3/4"	890098	532	Soft	Silicon Carbide	Fine	12,000	1	10
	051115-35411-3							
6" x 1/4" x 1"	853274	532	Soft	Silicon Carbide	Fine	6,000	1	10
	051115-35415-1							
6" x 1/2" x 1/2"	852171	521	Soft	Aluminum Oxide	Medium	6,000	1	4
	051115-35416-8							
	852471	524	Soft	Silicon Carbide	Medium	6,000	1	4
	051115-35417-5							
	853271							
051115-35418-2	532	Soft	Silicon Carbide	Fine	6,000	1	4	
6" x 1/2" x 5/8"	852481	524	Soft	Silicon Carbide	Medium	6,000	1	4
	051115-33191-6							
6" x 1/2" x 1"	852675	524	Soft	Silicon Carbide	Medium	6,000	1	4
	051115-35423-6							
	852475	524	Soft	Silicon Carbide	Medium	6,000	1	4
	051115-35421-2							
	853275							
051115-35422-9	532	Soft	Silicon Carbide	Fine	6,000	1	4	
6" x 1" x 1"	852178	521	Soft	Aluminum Oxide	Medium	6,000	1	3
	051115-35427-4							
	852478	524	Soft	Silicon Carbide	Medium	6,000	1	3
	051115-35428-1							
	853278							
051115-33202-9	532	Soft	Silicon Carbide	Fine	6,000	1	3	
10" x 1" x 3/4"	890201	532	Soft	Silicon Carbide	Medium	2,300	1	2
	051115-35449-6							
12" x 1/2" x 3/4"	890281	524	Soft	Silicon Carbide	Medium	2,300	-	1
	051115-35451-9							
	890274	532	Soft	Silicon Carbide	Fine	2,300	-	1
051115-35452-6								
12" x 1/2" x 1-1/4"	890094	524	Soft	Silicon Carbide	Medium	2,300	1	1
	051115-35453-3							
	890332	524	Soft	Silicon Carbide	Medium	2,300	1	5
	051115-35455-7							
	890231							
051115-35454-0	532	Soft	Silicon Carbide	Fine	2,300	1	1	
12" x 1/2" x 2"	890328	524	Soft	Silicon Carbide	Medium	2,300	-	1
	051115-35456-4							
12" x 1" x 1-1/4"	890331	524	Soft	Silicon Carbide HP	Medium	2,300	1	5
	051115-35462-5							
	890080	524	Soft	Silicon Carbide	Medium	2,300	1	2
051115-35460-1								
12" x 1" x 2"	890327	524	Soft	Silicon Carbide	Medium	2,300	1	1
	051115-35463-2							
TS Quick Change Style								
3" x 1/4"	853225	532	Soft	Silicon Carbide	Fine	18,000	-	10
	051115-35187-7							
TR Quick Change Style								
2" x 1/4"	852199	521	Soft	Aluminum Oxide	Medium	18,000	10	10
	051115-35207-2							
	852499	524	Soft	Silicon Carbide	Medium	18,000	10	10
	051115-35208-9							
	853299							
051115-35209-6	532	Soft	Silicon Carbide	Fine	18,000	10	10	
3" x 1/4"	852498	524	Soft	Silicon Carbide	Medium	12,000	10	10
	051115-35225-6							
	853298	532	Soft	Silicon Carbide	Fine	12,000	10	10
	051115-33203-6							
	852198							
051115-35224-9	521	Soft	Aluminum Oxide	Medium	12,000	10	10	

Additional sizes and grades for Unitized Wheels are available. Call for specific product information regarding your request. See page 63 for holder pads. See page 65 for mandrels.

Unitized Wheels (cont.)

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



Size	Part # UPC	Type	Density	Grain	Grade	Max. R.P.M.	Min. Pkg.	Case Qty.
1" x 1" x 3/16"	863205	632	Soft/Medium	Silicon Carbide	Fine	20,000	10	10
	051115-35467-0							
2" x 1/4" x 1/4"	863110	631	Soft/Medium	Aluminum Oxide	Fine	18,000	10	10
	051115-35471-7							
	863210	632	Soft/Medium	Silicon Carbide	Fine	18,000	10	10
051115-35472-4								
2" x 1/4" x 3/16"	863213	632	Soft/Medium	Silicon Carbide	Fine	18,000	-	10
	051115-35470-0							
2" x 1/2" x 1/4"	863115	631	Soft/Medium	Aluminum Oxide	Fine	18,000	10	10
	051115-33232-6							
	863215	632	Soft/Medium	Silicon Carbide	Fine	18,000	10	10
	051115-35474-8							
3" x 1/4" x 1/4"	863135	631	Soft/Medium	Aluminum Oxide	Fine	12,000	10	10
	051115-33233-3							
	863235	632	Soft/Medium	Silicon Carbide	Fine	12,000	10	10
051115-33235-7								
3" x 1/4" x 3/8"	863237	632	Soft/Medium	Silicon Carbide	Fine	12,000	-	10
	051115-35476-2							
3" x 1/2" x 1/4"	863140	631	Soft/Medium	Aluminum Oxide	Fine	12,000	10	10
	051115-33234-0							
	863240	632	Soft/Medium	Silicon Carbide	Fine	12,000	10	10
051115-33236-4								
6" x 1/4" x 1/2"	863273	632	Soft/Medium	Silicon Carbide	Fine	6,000	1	10
	051115-35488-5							
6" x 1/4" x 5/8"	863268	632	Soft/Medium	Silicon Carbide	Fine	6,000	1	10
	051115-35489-2							
6" x 1/4" x 1"	863274	632	Soft/Medium	Silicon Carbide	Fine	6,000	1	10
	051115-35491-5							
6" x 1/2" x 1/2"	863271	632	Soft/Medium	Silicon Carbide	Fine	6,000	1	4
	051115-35493-9							
6" x 1/2" x 5/8"	863281	632	Soft/Medium	Silicon Carbide	Fine	6,000	1	4
	051115-35495-3							
6" x 1/2" x 1"	863175	631	Soft/Medium	Aluminum Oxide	Fine	6,000	1	4
	051115-35496-0							
	863275	632	Soft/Medium	Silicon Carbide	Fine	6,000	1	4
	051115-33238-8							
6" x 1" x 1"	863178	631	Soft/Medium	Aluminum Oxide	Fine	6,000	1	3
	051115-35497-7							
	863278	632	Soft/Medium	Silicon Carbide	Fine	6,000	1	3
	051115-33239-5							
12" x 1/4" x 3/4"	890064	632	Soft/Medium	Silicon Carbide	Fine	3,600	1	1
	051115-35510-3							
12" x 1/4" x 1-1/4"	890194	632	Soft/Medium	Silicon Carbide	Fine	3,600	1	10
	051115-35513-4							
12" x 1/2" x 3/4"	890275	632	Soft/Medium	Silicon Carbide	Fine	3,600	-	1
	051115-35514-1							
12" x 1/2" x 1-1/4"	890173	632	Soft/Medium	Silicon Carbide	Fine	3,600	-	5
	051115-35515-8							
12" x 1" x 1-1/4"	890192	632	Soft/Medium	Silicon Carbide	Fine	2,600	1	2
	051115-35517-2							
TS Quick Change Style								
3" x 1/4"	863225	632	Soft/Medium	Silicon Carbide	Fine	12,000	-	10
	051115-35189-1							
TR Quick Change Style								
2" x 1/4"	863199	631	Soft/Medium	Aluminum Oxide	Fine	18,000	10	10
	051115-35210-2							
	863299	632	Soft/Medium	Silicon Carbide	Fine	18,000	10	10
051115-35211-9								
3" x 1/4"	863198	631	Soft/Medium	Aluminum Oxide	Fine	12,000	10	10
	051115-35226-3							
	863298	632	Soft/Medium	Silicon Carbide	Fine	12,000	10	10
	051115-35227-0							

See page 63 for holder pads. See page 65 for mandrels.

Unitized Wheels (cont.)

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



Size	Part # UPC	Type	Density	Grain	Grade	Max. R.P.M.	Min. Pkg.	Case Qty.
1" x 1/8" x 1/8"	873100	731	Medium/Hard	Aluminum Oxide	Fine	30,000	10	10
	051115-33242-5							
	873200							
1" x 1" x 3/16"	051115-35524-0	732	Medium/Hard	Silicon Carbide	Fine	30,000	10	10
	873105	731	Medium/Hard	Aluminum Oxide	Fine	30,000	10	10
	051115-35527-1							
873205								
2" x 1/8" x 1/8"	051115-35528-8	732	Medium/Hard	Silicon Carbide	Fine	30,000	10	10
	873107	731	Medium/Hard	Aluminum Oxide	Fine	22,000	10	10
	051115-33243-2							
873207								
2" x 1/8" x 1/4"	051115-33249-4	732	Medium/Hard	Silicon Carbide	Fine	22,000	10	10
	873108	731	Medium/Hard	Aluminum Oxide	Fine	22,000	10	10
	051115-33244-9							
873213								
2" x 1/4" x 3/16"	051141-43159-8	732	Medium/Hard	Silicon Carbide	Fine	22,000	-	10
	873110	731	Medium/Hard	Aluminum Oxide	Fine	22,000	10	10
	051115-33245-6							
873210								
2" x 1/4" x 1/4"	051115-35534-9	732	Medium/Hard	Silicon Carbide	Fine	22,000	10	10
	873115	731	Medium/Hard	Aluminum Oxide	Fine	22,000	10	10
	051115-35535-6							
873133								
3" x 1/8" x 1/4"	051115-35538-7	731	Medium/Hard	Aluminum Oxide	Fine	18,000	10	10
	873233	732	Medium/Hard	Silicon Carbide	Fine	18,000	10	10
	051115-33250-0							
873136								
3" x 1/8" x 3/8"	051115-35540-0	731	Medium/Hard	Aluminum Oxide	Fine	18,000	10	10
	873236	732	Medium/Hard	Silicon Carbide	Fine	18,000	10	10
	051115-35541-7							
872135								
3" x 1/4" x 1/4"	051115-35542-4	721	Medium/Hard	Aluminum Oxide	Fine	18,000	10	10
	873135	731	Medium/Hard	Aluminum Oxide	Fine	18,000	10	10
	051115-33246-3							
	873235							
	051115-35543-1							
873237								
3" x 1/4" x 3/8"	051115-35545-5	732	Medium/Hard	Silicon Carbide	Fine	18,000	-	10
	873140	731	Medium/Hard	Aluminum Oxide	Fine	18,000	10	10
	051115-33247-0							
873240								
3" x 1" x 1/4"	051115-33251-7	732	Medium/Hard	Silicon Carbide	Fine	18,000	10	10
	873150	731	Medium/Hard	Aluminum Oxide	Fine	18,000	10	10
	051115-35546-2							
890059								
4" x 1/8" x 1/4"	051115-35550-9	732	Medium/Hard	Silicon Carbide	Fine	22,000	-	10
	872154	721	Medium/Hard	Aluminum Oxide	Fine	22,000	10	10
	051115-35551-6							
873154								
4" x 1/4" x 1/4"	051115-35552-3	731	Medium/Hard	Aluminum Oxide	Fine	22,000	10	10
	873155	731	Medium/Hard	Aluminum Oxide	Fine	22,000	10	10
	051115-35554-7							

Additional sizes are available. Call for delivery and minimums.
See page 65 for mandrels.

Continued on next page >

Unitized Wheels (cont.)

700 Series Unitized Wheels (cont.)

Size	Part # UPC	Type	Density	Grain	Grade	Max. R.P.M.	Min. Pkg.	Case Qty.
6" x 1/8" x 1/4"	890168	732	Medium/Hard	Silicon Carbide	Fine	6,000	1	10
	051115-35557-8							
6" x 1/8" x 1"	873272	732	Medium/Hard	Silicon Carbide	Fine	6,000	1	10
	051115-35561-5							
6" x 1/4" x 1/4"	890177	731	Medium/Hard	Aluminum Oxide	Fine	6,000	1	10
	051115-35562-2							
6" x 1/4" x 1/2"	872173	721	Medium/Hard	Aluminum Oxide	Fine	6,000	1	10
	051115-35564-6							
	873173	731	Medium/Hard	Aluminum Oxide	Fine	6,000	1	10
	051115-35565-3							
873273	732	Medium/Hard	Silicon Carbide	Fine	6,000	1	10	
051115-35566-0								
6" x 1/4" x 1"	873174	731	Medium/Hard	Aluminum Oxide	Fine	6,000	1	10
	051115-35572-1							
	873274	732	Medium/Hard	Silicon Carbide	Fine	6,000	1	10
051115-35573-8								
6" x 1/2" x 1/2"	873171	731	Medium/Hard	Aluminum Oxide	Fine	6,000	1	4
	051115-35574-5							
	873271	732	Medium/Hard	Silicon Carbide	Fine	6,000	1	4
051115-35575-2								
6" x 1/2" x 1"	873275	732	Medium/Hard	Silicon Carbide	Fine	6,000	1	4
	051115-35578-3							
6" x 1" x 1/2"	873177	731	Medium/Hard	Aluminum Oxide	Fine	6,000	1	3
	051115-35580-6							
	873277	732	Medium/Hard	Silicon Carbide	Fine	6,000	1	3
051115-33252-4								
6" x 1" x 1"	873178	731	Medium/Hard	Aluminum Oxide	Fine	6,000	1	3
	051115-35582-0							
	873278	732	Medium/Hard	Silicon Carbide	Fine	6,000	1	3
051115-33253-1								
TS Quick Change Style								
3" x 1/4"	873225	732	Medium/Hard	Silicon Carbide	Fine	18,000	-	10
	051115-35191-4							
TR Quick Change Style								
2" x 1/4"	872199	721	Medium/Hard	Aluminum Oxide	Medium	18,000	-	10
	051115-35212-6							
	873199	731	Medium/Hard	Aluminum Oxide	Fine	18,000	10	10
	051115-35213-3							
873299	732	Medium/Hard	Silicon Carbide	Fine	18,000	-	10	
051115-35214-0								
3" x 1/8"	873297	732	Medium/Hard	Silicon Carbide	Fine	12,000	-	10
	051115-35220-1							
3" x 1/4"	872198	721	Medium/Hard	Aluminum Oxide	Medium	12,000	10	10
	051115-35228-7							
	873198	731	Medium/Hard	Aluminum Oxide	Fine	12,000	10	10
	051115-35229-4							
873298	732	Medium/Hard	Silicon Carbide	Fine	12,000	10	10	
051115-35230-0								

Additional sizes are available. Call for delivery and minimums.
See page 63 for holder pads. See page 65 for mandrels.

Unitized Wheels (cont.)

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

Size	Part # UPC	Type	Density	Grain	Grade	Max. R.P.M.	Min. Pkg.	Case Qty.
1" x 1/8" x 1/8"	882100	821	Hard	Aluminum Oxide	Medium	30,000	-	10
	051115-35604-9							
1" x 1" x 3/16"	881105	811	Hard	Aluminum Oxide	Coarse	30,000	10	10
	051115-35609-4							
	882105	821	Hard	Aluminum Oxide	Medium	30,000	10	10
051115-33310-1								
2" x 1/8" x 1/8"	882107	821	Hard	Aluminum Oxide	Medium	22,000	-	10
	051115-35610-0							
2" x 1/8" x 1/4"	882108	821	Hard	Aluminum Oxide	Coarse	22,000	10	10
	051115-33311-8							
2" x 1/4" x 1/4"	881110	811	Hard	Aluminum Oxide	Coarse	22,000	-	10
	051115-35612-4							
	882110	821	Hard	Aluminum Oxide	Medium	22,000	10	10
	051115-33312-5							
2" x 1/2" x 1/4"	882115	821	Hard	Aluminum Oxide	Medium	22,000	10	10
	051115-35614-8							
2" x 3/4" x 1/4"	882120	821	Hard	Aluminum Oxide	Medium	22,000	5	5
	051115-35616-2							
2" x 1" x 1/4"	882121	821	Hard	Aluminum Oxide	Medium	22,000	10	10
	051115-35617-9							
3" x 1/4" x 1/4"	881135	811	Hard	Aluminum Oxide	Coarse	18,000	10	10
	051115-33307-1							
	882135	821	Hard	Aluminum Oxide	Medium	18,000	10	10
051115-32478-9								
3" x 1/4" x 3/8"	882137	821	Hard	Aluminum Oxide	Medium	18,000	-	10
	051115-35621-6							
3" x 1/2" x 3/8"	882141	821	Hard	Aluminum Oxide	Medium	18,000	-	10
	051115-35624-7							
3" x 1/2" x 1/4"	881140	811	Hard	Aluminum Oxide	Coarse	18,000	10	10
	051115-35622-3							
	882140	821	Hard	Aluminum Oxide	Medium	18,000	10	10
051115-33314-9								
3" x 1" x 1/4"	882150	821	Hard	Aluminum Oxide	Medium	18,000	10	100
	051115-35629-2							
4" x 1/8" x 1/4"	890068	821	Hard	Aluminum Oxide	Medium	10,000	-	10
	051115-35632-2							
6" x 1/8" x 1/4"	890294	821	Hard	Aluminum Oxide	Medium	6,000	1	10
	051115-35639-1							
6" x 1/8" x 1"	892172	921	Hard	Aluminum Oxide	Medium	6,000	1	10
	051115-35695-7							
6" x 1/4" x 1/2"	882173	921	Hard	Aluminum Oxide	Medium	6,000	1	10
	051115-35697-1							
6" x 1/4" x 5/8"	881168	811	Hard	Aluminum Oxide	Coarse	6,000	1	10
	051115-35647-6							
6" x 1/4" x 7/8"	890315	821	Hard	Aluminum Oxide	Medium	6,000	1	10
	051115-35648-3							
6" x 1/4" x 1"	882174	821	Hard	Aluminum Oxide	Medium	6,000	1	10
	051115-33315-6							
6" x 1/2" x 1"	882175	821	Hard	Aluminum Oxide	Medium	6,000	1	4
	051115-33316-3							
6" x 1/2" x 1/2"	882171	821	Hard	Aluminum Oxide	Coarse	6,000	1	4
	051115-35652-0							
6" x 1" x 1"	881178	811	Hard	Aluminum Oxide	Coarse	6,000	1	4
	051115-33308-8							
	882178	821	Hard	Aluminum Oxide	Medium	6,000	1	3
051115-33317-0								

Additional sizes are available. Call for delivery and minimums.
See page 65 for mandrels.

Continued on next page >

Unitized Wheels (cont.)

800 Series Unitized Wheels (cont.)

Size	Part # UPC	Type	Density	Grain	Grade	Max. R.P.M.	Min. Pkg.	Case Qty.
TS Quick Change Style								
3" x 1/4"	882125	821	Hard	Aluminum Oxide	Medium	18,000	-	10
	051115-35192-1							
TR Quick Change Style								
2" x 1/4"	881199	811	Hard	Aluminum Oxide	Coarse	18,000	10	10
	051115-35215-7							
	882199	821	Hard	Aluminum Oxide	Medium	18,000	10	10
	051115-35216-4							
3" x 1/8"	881197	811	Hard	Aluminum Oxide	Coarse	12,000	10	10
	051115-33309-5							
	882197	821	Hard	Aluminum Oxide	Medium	12,000	10	10
	051115-35221-8							
	890245	821	Hard	Aluminum Oxide	Medium	12,000	-	50
051115-35235-5								
3" x 1/4"	881198	811	Hard	Aluminum Oxide	Coarse	12,000	10	10
	051115-35231-7							
	882198	821	Hard	Aluminum Oxide	Medium	12,000	10	10
	051115-35232-4							

Additional sizes are available. Call for delivery and minimums.
See page 63 for holder pads. See page 65 for mandrels.

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



Size	Part # UPC	Type	Density	Grain	Grade	Max. R.P.M.	Min. Pkg.	Case Qty.
1" x 1" x 1/4"	891330	913	Extra Hard	Ceramic Oxide	Coarse	35,100	60	240
	051115-78375-3							
	899330	993	Extra Hard	Ceramic Oxide	Extra Coarse	35,100	60	240
	051115-78380-7							
2" x 1/8" x 1/4"	891108	911	Extra Hard	Aluminum Oxide	Coarse	18,000	10	10
	051115-35685-8							
	892108	921	Extra Hard	Aluminum Oxide	Medium	18,000	10	10
	051115-33354-5							
2" x 1/4" x 1/4"	891110	911	Extra Hard	Aluminum Oxide	Coarse	18,000	10	10
	051115-33351-4							
	892110	921	Extra Hard	Aluminum Oxide	Medium	18,000	10	10
	051115-35686-5							
3" x 1/8" x 1/4"	891133	911	Extra Hard	Aluminum Oxide	Coarse	12,000	10	10
	051115-33352-1							
	892133	921	Extra Hard	Aluminum Oxide	Medium	12,000	10	10
	051115-35687-2							
3" x 1/4" x 1/4"	891135	911	Extra Hard	Aluminum Oxide	Coarse	12,000	10	10
	051115-33353-8							
	892135	921	Extra Hard	Aluminum Oxide	Medium	12,000	10	10
	051115-33355-2							
3" x 1/4" x 3/8"	891337	913	Extra Hard	Ceramic Oxide	Coarse	18,100	40	160
	051115-78377-7							
	899337	993	Extra Hard	Ceramic Oxide	Extra Coarse	18,100	40	40
	051141-43626-5							
3" x 1/2" x 3/8"	891341	913	Extra Hard	Ceramic Oxide	Coarse	18,100	20	80
	051115-78374-6							
	899341	993	Extra Hard	Ceramic Oxide	Extra Coarse	18,100	20	80
	051115-78378-4							

Additional sizes are available. Call for delivery and minimums.
See page 65 for mandrels.

Continued on next page >

900 Series Unitized Wheels (cont.)

Size	Part # UPC	Type	Density	Grain	Grade	Max. R.P.M.	Min. Pkg.	Case Qty.
4" x 1/8" x 1/4"	890389	911	Extra Hard	Aluminum Oxide	Coarse	12,000	10	100
	051115-35690-2							
4" x 1/4" x 3/8"	892155	921	Extra Hard	Aluminum Oxide	Medium	12,000	10	100
	051115-35693-3							
5" x 1/4" x 7/8"	890408	913	Extra Hard	Ceramic Oxide	Coarse	10,000	20	80
	051115-78376-0							
	890409	993	Extra Hard	Ceramic Oxide	Extra Coarse	10,000	20	80
6" x 1/4" x 1/2"	892173	921	Extra Hard	Aluminum Oxide	Medium	12,000	1	10
	051115-35697-1							
6" x 1/4" x 1"	891174	911	Extra Hard	Aluminum Oxide	Coarse	6,000	1	10
	051115-35698-8							
	892174	921	Extra Hard	Aluminum Oxide	Medium	6,000	1	10
	051115-35699-5							
6" x 1/2" x 1"	891375	913	Extra Hard	Ceramic Oxide	Coarse	7,500	4	4
	051115-78373-9							
	899375	993	Extra Hard	Ceramic Oxide	Extra Coarse	7,500	4	4
	051115-78372-2							
TR Quick Change Style								
2" x 1/4"	891399	913	Extra Hard	Ceramic Oxide	Coarse	22,100	15	60
	051115-78381-4							
	899399	993	Extra Hard	Ceramic Oxide	Extra Coarse	22,100	15	60
	051115-78382-1							
3" x 1/4"	891198	911	Extra Hard	Aluminum Oxide	Coarse	12,000	10	10
	051115-35233-1							
	891398	913	Extra Hard	Ceramic Oxide	Coarse	15,100	40	40
	051141-43624-1							
	892198	921	Extra Hard	Aluminum Oxide	Medium	12,000	-	10
	051115-35234-8							
	899398	993	Extra Hard	Ceramic Oxide	Extra Coarse	15,100	40	40
051141-43625-8								

Additional sizes are available. Call for delivery and minimums.
See page 63 for holder pads. See page 65 for mandrels.



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 and 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 and 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

Size	Part # UPC	Series	Density	Grain	Grade	Max. R.P.M.	Min. Pkg.	Case Qty.
4-1/2" x 1/2" x 7/8"	811524	524	Soft	Silicon Carbide Firm	Medium	10,000	5	50
	051115-35236-2							
	811532	532	Soft	Silicon Carbide	Fine	10,000	5	50
	051115-33044-5							
	811632	632	Soft/Medium	Silicon Carbide	Fine	10,000	5	50
	051115-33045-2							
	811732	732	Medium/Hard	Silicon Carbide	Fine	10,000	5	50
	051115-35237-9							
	811811	811	Hard	Aluminum Oxide	Coarse	10,000	5	50
	051115-33046-9							
	811821	821	Hard	Aluminum Oxide	Medium	10,000	5	50
	051115-33047-6							
	811822	822	Hard	Silicon Carbide	Medium	10,000	5	50
	051115-33048-3							

Call for delivery and minimums.

Unitized Mounted Points

Unitized Mounted Points

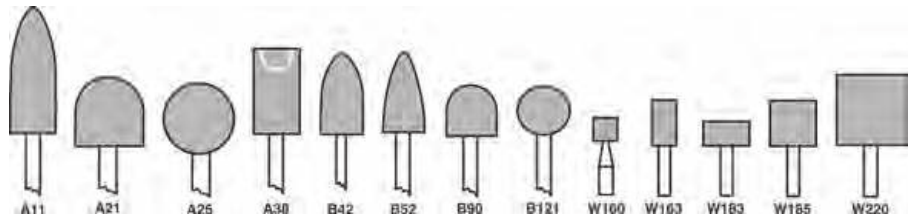
Unitized Mounted Points are made from the high durability Unitized material and are available in standard ANSI shapes for varying work piece dimensions and applications.

High RPM: Deburring and blending

Low RPM: 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



Shape	Size	Part # UPC	I.D. Color	Series	Max. R.P.M.	Min. Pkg.	Case Qty.
A11	7/8" x 2" x 1/4"	877061	Black	732	19,860	5	50
		051115-35243-0					
		877062	Blue	821	19,860	5	50
		051115-35244-7					
A21	1" x 1" x 1/4"	877012	Light Gray	731	34,500	5	50
		051115-35249-2					
		877013	Blue	821	34,500	5	50
		051115-35252-2					
		877014	Dark Gray	811	34,500	5	50
		051115-35251-5					
		877015	Red	632	34,500	5	50
		051115-35248-5					
		877016	Black	732	34,500	5	50
		051115-35250-8					
A25	1" x 1" x 1/4"	877017	Blue	821	35,600	5	50
		051115-35261-4					
		877018	Dark Gray	811	35,600	5	50
		051115-35260-7					
A38	1" x 1" x 1/8"	877063	Black	732	35,600	5	50
		051115-35266-9					
		877064	Blue	821	35,600	5	50
		051115-35267-6					
B42	1/2" x 3/4" x 1/8"	877065	Black	732	33,750	5	50
		051115-33282-1					
		877066	Blue	821	33,750	5	50
		051115-33283-8					
B52	3/8" x 3/4" x 1/8"	877000	Light Gray	731	45,300	5	50
		051115-33272-2					
		877001	Blue	821	45,300	5	50
		051115-33273-9					
		877002	Dark Gray	811	45,300	5	50
		051115-35274-4					
877003	Black	732	45,300	5	50		
051115-35273-7							
B90	1/2" x 1/2" x 1/8"	877038	Gold	631	34,500	5	50
		051115-33281-4					
		877004	Light Gray	731	34,500	5	50
		051115-35280-5					
		877005	Blue	821	34,500	5	50
		051115-35283-6					
		877006	Dark Gray	811	34,500	5	50
		051115-35282-9					
877007	Black	732	34,500	5	50		
051115-35281-2							
B121	1/2" x 1/2" x 1/8"	877039	Red	632	45,300	5	50
		051115-35290-4					
		877008	Light Gray	731	45,300	5	50
		051115-35291-1					
		877009	Blue	821	45,300	5	50
		051115-35293-5					
877010	Dark Gray	811	45,300	5	50		
051115-35292-8							

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

Continued on next page >

Unitized Mounted Points

Unitized Mounted Points (cont.)

Shape	Size	Part # UPC	I.D. Color	Series	Max. R.P.M.	Min. Pkg.	Case Qty.
W160	1/4" x 1" x 1/8"	877040	Black	732	81,300	5	50
		051115-35298-0					
		877019	Blue	821	81,300	5	50
		051115-33274-6					
		877020	Dark Gray	811	81,300	5	50
051115-35299-7							
W163	1/4" x 1/2" x 1/8"	877041	Light Gray	731	60,000	5	50
		051115-35302-4					
		877045	Black	732	60,000	5	50
		051115-35303-1					
		877021	Blue	821	60,000	5	50
		051115-33275-3					
		877022	Dark Gray	811	60,000	5	50
051115-35304-8							
W183	1/2" x 1/4" x 1/8"	877023	Light Gray	731	51,700	5	50
		051115-35311-6					
		877024	Blue	821	51,700	5	50
		051115-33276-0					
		877025	Dark Gray	811	51,700	5	50
		051115-35313-0					
		877026	Red	632	51,700	5	50
		051115-35310-9					
877027	Black	732	51,700	5	50		
051115-35312-3							
W185	1/2" x 1/2" x 1/8"	877028	Gold	631	34,500	5	50
		051115-33277-7					
		877029	Light Gray	731	34,500	5	50
		051115-35321-5					
		877030	Blue	821	34,500	5	50
		051115-33278-4					
		877031	Dark Gray	811	34,500	5	50
		051115-33279-1					
		877032	Red	632	34,500	5	50
		051115-35320-8					
		877033	Black	732	34,500	5	50
051115-33280-7							
W220	1" x 1" x 1/4"	877034	Blue	821	25,500	5	50
		051115-35335-2					
		877035	Dark Gray	811	25,500	5	50
		051115-35334-5					

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

Kits and Mini Kits

Cross Buff Kit – 10 Pieces

An assortment of Cross Buffs designed to hone and polish inside diameters and hard-to-reach areas. This is a popular choice for auto mechanics.

Part # UPC	Qty.	Description
260013	2	1" 2-ply A/O HP MED
	2	1" 2-ply A/O HP VFN
	2	1-1/2" 3-ply A/O HP MED
	2	1-1/2" 3-ply A/O HP VFN
	1	Combination 4" x 1/4" Mandrel Set Screw
051115-32536-6	1	

Mini Cross Buff Kit (CB-2)

Part # UPC	Qty.	Description
800025	2	1-1/2" 2-ply 8-32 VFN A/O
	2	1-1/2" 2-ply 8-32 MED A/O
	2	1-1/2" 2-ply 8-32 VFN A/O
	2	1-1/2" 3-ply 8-32 VFN A/O
	2	1-1/2" 3-ply 8-32 MED A/O
051115-33026-1	1	TM-3 Mandrel
	1	6" x 9" General Purpose Hand Pad

Mini Track Cleaning Kit

Part # UPC	Qty.	Description
810005	10	3/4" 60 A/O 2-ply
	10	3/4" 120 A/O 2-ply
	5	3/4" VFN FE Surface Cond. & Deburring
	5	1" CRS, MED, VFN FE Surface Cond. & Deburring
	5	1" VFN, MED GP Buff & Blend
051115-33032-2	1	Track Mandrel*
	1	6" x 9" General Purpose Hand Pad

*541034 – Mini Track Mandrel

Unitized Mounted Points (UMP-1)

Part # UPC	Qty.	Description
800031	1	B90 1/8" Shank 631 Fine A/O
	1	B52 1/8" Shank 731 Fine A/O
	1	W183 1/8" Shank 821 MED A/O
	1	W163 1/8" Shank 811 CRS A/O
	1	B121 1/8" Shank 632 Fine S/C
051115-33028-5	1	W160 1/8" Shank 732 Fine S/C

Hardware

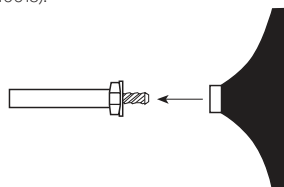
Holder Pads for Quick Change Discs

- These high quality pads help discs last longer and finish faster
- Firm face style has molded phenolic face for improved and snag-free grinding
- 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		Diameter	Density	Description	Max. R.P.M.
	Part # UPC	Part # UPC				
TS	541001	541051	3/4"	Medium	SM 3/4	40,000
	051128-90589-0	051128-90588-3				
	541002	541052	1"	Medium	SM 1	40,000
	051128-90593-7	051128-90592-0				
	—	541053	1-1/2"	Soft	SS 1-1/2	20,000
	—	051115-32690-5				
	541004	541054	1-1/2"	Medium	SM 1-1/2	25,000
	051128-90602-6	051128-90601-9				
	541005	541055	1-1/2"	Firm	SF 1-1/2	30,000
	051128-90599-9	051128-90600-2				
	541006	541056	2"	Soft	SS 2	20,000
	051128-90614-9	051115-32692-9				
	541007	541057	2"	Medium	SM 2	25,000
	051128-90613-2	051128-90612-5				
	—	541058	2"	Firm	SF 2	30,000
	—	051128-90611-8				
	541009	541059	3"	Soft	SS 3	12,000
	051128-90627-9	051115-32694-3				
	541010	541060	3"	Medium	SM 3	20,000
	051128-90626-2	051128-90625-5				
541011	541061	3"	Firm	SF 3	20,000	
051128-90622-4	051128-90623-1					
541012	541062	4"	Medium	SM 4	12,000	
051128-90628-6	051128-90629-3					
541014	541064	5"	Medium	SM 5	8,000	
051115-37198-1	051115-37197-4					
TR	546002	546052	1"	Medium	LM 1	20,000
	051128-90590-6	051128-90591-3				
	546003	—	1-1/2"	Soft	LS 1-1/2	20,000
	051128-90598-2	—				
	546004	546054	1-1/2"	Medium	LM 1-1/2	25,000
	051128-90597-5	051128-90596-8				
	—	546055	1-1/2"	Firm	LF 1-1/2	30,000
	—	051115-37235-3				
	—	546056	2"	Soft	LS 2	20,000
	—	051115-32708-7				
	546007	546057	2"	Medium	LM 2	25,000
	051128-90609-5	051128-90608-8				
	546008	546058	2"	Firm	LF 2	30,000
	051128-90605-7	051128-90606-4				
	—	546059	3"	Soft	LS 3	12,000
	—	051115-32710-0				
546010	546060	3"	Medium	LM 3	20,000	
051128-90619-4	051128-90620-0					
546011	546061	3"	Firm	LF 3	20,000	
051128-90616-3	051128-90617-0					
TP	—	548054	1-1/2"	Medium	PM 1-1/2	30,000
	—	051128-90594-4				
	—	548057	2"	Medium	PM 2	30,000
	—	051128-90604-0				
	—	548060	3"	Medium	PM 3	20,000
—	051128-90615-6					

See page 3 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" TA 4 Mandrel available separately (Part # 540013).



Pad Mandrels

Size	Part # UPC	Description
1/4" Mandrel	540013	TA 4
	051115-32475-8	
1/4" Mini Track Mandrel	541034	—
	051115-32689-9	

Other adapters are available. Call for delivery and minimums.

Hardware



Holder Pads for Discs with 5/8–11 Hub

- These high quality pads help discs last longer and finish faster

Attachment System	Part # UPC	Diameter	Density	Description	Max. R.P.M.
5/8–11 Hub	543630	4-1/2"	Medium	SM 45 F	13,300
	051115-32702-5				
	543632	5"	Medium	SM 55 F	12,000
	051115-32469-7				
	543602	7"	Soft	SS 7	8,600
	051115-32700-1				
	543603	7"	Medium	SM 7	8,600
	051115-37267-4				
543604	7"	Firm	SF 7	8,600	
051115-37268-1					
BD*	543629	4-1/2"	Medium	BD 45 F	13,300
	051115-32468-0				
	543628	5"	Medium	BD 55 F	12,000
	051115-32701-8				

*BD – Low Profile Holder Pad designed to fit on most electric grinders.

Replacement Retainer Nut

Part # UPC	Size
542012	5/8–11 F
051115-37273-5	

Call for delivery and minimums.

Hook & Loop Style Holder Pads

Size	For Plain (Hook & Loop) Style Discs	
	Part # UPC	Max. R.P.M.
2" x 1/4 Shank	840020	22,000
	051115-37634-4	
3" x 1/4 Shank	840030	18,000
	051115-37635-1	
4-1/2" with 5/8–11	840042	10,000
	051115-33073-5	
4" with 5/8–11	840040	10,000
	051115-37637-5	
5" with 5/8–11	840050	10,000
	051115-33074-2	
7" with 5/8–11	840070	6,000
	051115-33077-3	

Hook & Loop Style Holder Pads for GP Buff & Blend Discs

Size	For Hook & Loop System Plain Pad with 5/16–24M Thread Velour	
	Part # UPC	Max. R.P.M.
5"	840052	10,000
	051115-33075-9	

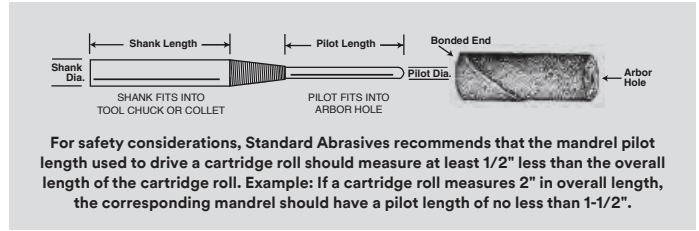
Flap Wheel Adapter

Part # UPC	Size
600057	5/8–11 female (for 3-1/2" to 8" wheels)
051115-37517-0	
600000	TAZ 4-1/4–20 F x 1/4" shank
051115-37511-8	

Hardware

Mandrels for Cartridge Rolls

- 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 # UPC	Description	Pilot Length	Shank Diameter	Shank Length	Overall Length
3/32"	713638	CM-2B	3/4"	1/8"	1"	2-3/4"
	051115-37519-4					
	717078	CM-2E	3/4"	1/4"	1"	2-3/4"
	051115-32990-6					
	714740	CM-2F	1"	1/4"	1-1/4"	3"
051115-37523-1						
1/8"	710893	CM-3	1/2"	1/8"	1"	2-1/2"
	051115-37525-5					
	700743	CM-4	3/4"	1/8"	1"	2-3/4"
	051115-37527-9					
	710213	CM-5	1"	1/8"	1"	3"
	051115-37528-6					
	708897	CM-6	1-1/2"	1/8"	1"	3-1/2"
	051115-37530-9					
	710870	CM-7	1/2"	1/4"	1-1/4"	2-1/4"
	051115-32944-9					
	700717	CM-8	3/4"	1/4"	1-1/4"	2-1/2"
	051115-32842-8					
	710190	CM-9	1"	1/4"	1-1/4"	2-3/4"
	051115-32936-4					
	708875	CM-10	1-1/2"	1/4"	1-1/4"	3-1/4"
	051115-32927-2					
	712230	CM-11	2"	1/4"	1-1/4"	4"
	051115-32956-2					
	716916	CM-XL	3/4"	1/4"	—	6"
	051115-37551-4					
717919	CM-XL	1"	1/4"	—	4"	
051115-37553-8						
716295	CM-XL	1"	1/4"	—	5"	
051115-37554-5						
716296	CM-XL	1"	1/4"	—	6"	
051115-37555-2						
717530	CM-XL	1"	1/4"	—	8"	
051115-37556-9						
3/16"	704491	CM-15	3/4"	1/4"	1"	2-3/4"
	051115-32887-9					
	712689	CM-16	1"	1/4"	1"	3"
	051115-37537-8					
	702286	CM-17	1-1/2"	1/4"	1"	3-1/2"
	051115-32869-5					
701656	CM-18	2"	1/4"	1-1/4"	4"	
051115-37540-8						
1/4"	712584	CM-21	1"	1/4"	1-1/4"	3"
	051115-37542-2					
	706874	CM-22	1-1/2"	1/4"	1"	3-1/2"
	051115-37544-6					
	701529	CM-23	2"	1/4"	1"	4"
051115-37546-0						

Special sizes also available. Call for delivery and minimums.



Mandrels for Unitized Wheels

Description	Part # UPC	Shank Length	Shank Diameter	For Use with Wheel Diameter	For Use with Wheel Thickness
Steel	850034	7/8"	1/4"	1"	1"
	051115-33180-0				
Regular	850030	1-1/4"	1/4"	6"	1/2" to 1"
	051115-33179-4				
Unitized Mandrel Combination*	850029	—	1/4"	1-1/4" to 4"	1/8" to 1"
	051115-32476-5				
Unitized Mandrel 3/8" Center Hole	850031†	1-1/4"	1/4"	2" to 3"	1/4" to 1/2"
	051141-43623-4				

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

†Made for use with 913 and 993 Unitized Wheels only.

Hardware

Rubber Drums for Spiral Bands and Surface Conditioning Bands

- Fabricated from rubber for controlled expansion and balance at high speeds
- Band locks on non-slip drum
- Adjusts for tightness on the abrasive band



Diameter	Part # UPC	Face	Shank	Max. R.P.M	Min. Pkg.
1/2"	711456	1/2"	1/8"	30,000	1
	051115-37579-8				
	711429	1/2"	1/4"	30,000	1
	051115-32950-0				
	703077	1"	1/4"	15,000	1
051115-37584-2					
3/4"	700085	3/4"	1/4"	24,000	1
	051115-37588-0				
	713653	1"	1/4"	19,000	1
	051115-32981-4				
	706040	1-1/2"	1/4"	10,000	1
	051115-37589-7				
	708200	2"	1/4"	9,000	1
051115-37590-3					
1"	702816	1"	1/4"	18,000	1
	051115-32874-9				
	702562	1-1/2"	1/4"	10,000	1
	051115-32872-5				
	704780	2"	1/4"	8,000	1
051115-37593-4					
1-1/2"	704431	1"	1/4"	14,000	1
	051115-32886-2				
	700927	1-1/2"	1/4"	10,000	1
	051115-32843-5				
	706436	2"	1/4"	7,000	1
051115-37599-6					
2"	708669	1"	1/4"	11,000	1
	051115-37601-6				
	710679	2"	1/4"	6,000	1
	051115-32943-2				

Mandrels for Abrasive Pads, Stars, Circle Buffs and Cross Buffs

Overall Length	Part # UPC	Description	Shank Diameter	Thread Size
2-1/2"	703946	TM-2	1/4"	3-48
	051115-37571-2			
3"	700143	TM-3	1/4"	8-32
	051115-32832-9			
	707605	TM-4	1/4"	1/4-20
051115-32916-6				
4"	869201	Includes 8-32 M Adapter	1/4"	1/4-20 F
	051115-33241-8			

Mandrels for P.A.R.T. Discs

Description	Part # UPC	Pin Diameter	Pin Length	Shank Diameter	Shank Length	Overall Length
#10 Mandrel	541150	3/16"	5/8"	1/4"	1-1/2"	3"
	051115-32696-7					
#21 Mandrel	541151	5/32"	5/8"	1/4"	1-1/2"	3"
	051115-32697-4					
#30 Mandrel	541152	1/8"	5/8"	1/4"	1-1/2"	3"
	051128-90587-6					

Part Number Index

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
260013	62	522323	5	522603	4	528228	6	530206	10	531322	11
522101	4	522352	5	522605	4	528322	6	530208	10	531324	11
522102	4	522353	5	522606	4	528323	6	530232	11	531325	11
522103	4	522355	5	522607	4	528324	6	530233	11	531326	11
522104	4	522356	5	522608	4	528325	6	530235	11	531328	11
522105	4	522357	5	522610	4	528326	6	530236	11	540013	63
522106	4	522358	5	524456	5	528328	6	530252	11	541001	63
522107	4	522401	4	525212	6	528422	6	530253	11	541002	63
522108	4	522402	4	525214	6	528423	6	530255	11	541004	63
522109	4	522403	4	525215	6	528424	6	530257	11	541005	63
522110	4	522404	4	525216	6	528425	6	530291	10	541006	63
522111	4	522405	4	525218	6	528426	6	530292	10	541007	63
522112	4	522406	4	525312	6	528427	6	530293	10	541009	63
522152	5	522407	4	525314	6	528428	6	530294	10	541010	63
522154	5	522408	4	525315	6	528522	6	530295	10	541011	63
522155	5	522409	4	525316	6	528523	6	530318	11	541012	63
522156	5	522410	4	525317	6	528524	6	530326	11	541014	63
522157	5	522411	4	525318	6	528525	6	530327	11	541034	63
522158	5	522412	4	525402	7	528526	6	531002	10	541051	63
522201	4	522414	5	525405	7	528527	6	531003	10	541052	63
522202	4	522415	5	525406	7	528528	6	531004	10	541053	63
522203	4	522416	5	525412	6	530002	10	531005	10	541054	63
522204	4	522417	5	525414	6	530003	10	531006	10	541055	63
522205	4	522418	5	525415	6	530004	10	531008	10	541056	63
522206	4	522419	5	525416	6	530005	10	531032	11	541057	63
522207	4	522420	5	525417	6	530006	10	531033	11	541058	63
522208	4	522422	5	525418	6	530008	10	531035	11	541059	63
522209	4	522423	5	525492	7	530029	11	531036	11	541060	63
522210	4	522452	5	525494	7	530031	11	531037	11	541061	63
522211	4	522453	5	525495	7	530032	11	531039	11	541062	63
522212	4	522454	5	525496	7	530033	11	531053	11	541064	63
522214	5	522455	5	525502	7	530035	11	531091	10	541150	66
522215	5	522456	5	525505	7	530036	11	531092	10	541151	66
522217	5	522457	5	525506	7	530037	11	531093	10	541152	66
522218	5	522458	5	525512	6	530052	11	531094	10	542012	64
522219	5	522501	4	525514	6	530053	11	531095	10	543602	64
522220	5	522502	4	525515	6	530055	11	531102	10	543603	64
522222	5	522503	4	525516	6	530057	11	531103	10	543604	64
522223	5	522504	4	525517	6	530091	10	531104	10	543628	64
522252	5	522505	4	525518	6	530092	10	531105	10	543629	64
522253	5	522506	4	525592	7	530093	10	531106	10	543630	64
522254	5	522507	4	525594	7	530094	10	531108	10	543632	64
522255	5	522508	4	525595	7	530095	10	531153	11	546002	63
522256	5	522509	4	525596	7	530102	10	531192	10	546003	63
522257	5	522510	4	527313	7	530103	10	531193	10	546004	63
522258	5	522511	4	527315	7	530104	10	531194	10	546007	63
522301	4	522512	4	527316	7	530105	10	531195	10	546008	63
522302	4	522514	5	527318	7	530106	10	531202	10	546010	63
522303	4	522515	5	527413	7	530108	10	531203	10	546011	63
522304	4	522516	5	527415	7	530133	11	531204	10	546052	63
522305	4	522517	5	527416	7	530135	11	531205	10	546054	63
522306	4	522518	5	527418	7	530136	11	531206	10	546055	63
522307	4	522519	5	527513	7	530152	11	531208	10	546056	63
522308	4	522520	5	527515	7	530153	11	531253	11	546057	63
522309	4	522522	5	527516	7	530155	11	531291	10	546058	63
522310	4	522523	5	527518	7	530157	11	531292	10	546059	63
522311	4	522552	5	527613	7	530191	10	531293	10	546060	63
522312	4	522553	5	527615	7	530192	10	531294	10	546061	63
522314	5	522554	5	527616	7	530193	10	531295	10	548054	63
522315	5	522555	5	527618	7	530194	10	531312	11	548057	63
522317	5	522556	5	528222	6	530195	10	531314	11	548060	63
522318	5	522557	5	528223	6	530202	10	531315	11	580001	9
522319	5	522558	5	528224	6	530203	10	531316	11	580002	9
522320	5	522601	4	528225	6	530204	10	531318	11	580003	9
522322	5	522602	4	528226	6	530205	10	531321	11	580004	9

Part Number Index (cont.)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
580005	9	592406	4	595418	6	611403	14	614426	16	624108	14
580006	9	592407	4	595492	7	611405	14	614428	16	624110	14
580007	9	592408	4	595494	7	611406	14	614443	15	624126	16
580008	9	592409	4	595495	7	611408	14	614445	15	624405	15
580009	9	592410	4	595496	7	611410	14	614446	15	624406	15
580010	9	592411	4	595512	6	611411	14	614448	15	624408	15
580011	9	592412	4	595514	6	611412	14	615103	15	624410	15
580012	9	592414	5	595515	6	611425	16	615105	15	624426	16
580015	9	592415	5	595516	6	611426	16	615106	15	625105	15
580018	9	592416	5	595517	6	611428	16	615108	15	625106	15
580021	9	592417	5	595518	6	611486	15	615125	16	625108	15
580022	9	592418	5	595592	7	611488	15	615126	16	625110	15
580023	9	592419	5	595594	7	612105	14	615128	16	625125	16
580025	9	592420	5	595595	7	612106	14	615186	15	625126	16
580026	9	592422	5	597313	7	612108	14	615188	15	625128	16
580031	9	592423	5	597315	7	612110	14	615306	15	625166	15
580038	9	592452	5	597316	7	612111	14	615423	16	625405	15
592201	4	592453	5	597318	7	612112	14	615425	16	625406	15
592202	4	592454	5	597413	7	612125	16	615426	16	625408	15
592203	4	592455	5	597415	7	612126	16	615428	16	625410	15
592204	4	592456	5	597416	7	612128	16	615442	15	625425	16
592205	4	592457	5	597418	7	612186	15	615443	15	625426	16
592206	4	592458	5	597513	7	612188	15	615445	15	625428	16
592207	4	592501	4	597515	7	612402	14	615446	15	635425	16
592208	4	592502	4	597516	7	612403	14	615448	15	635426	16
592210	4	592503	4	597518	7	612405	14	615450	15	640405	15
592211	4	592504	4	597613	7	612406	14	615486	15	640406	15
592212	4	592505	4	597615	7	612408	14	615488	15	640412	15
592214	5	592506	4	597616	7	612410	14	621105	14	640603	15
592215	5	592507	4	597618	7	612411	14	621106	14	640605	15
592216	5	592508	4	598222	6	612412	14	621108	14	640606	15
592217	5	592509	4	598224	6	612423	16	621110	14	645000	13
592223	5	592510	4	598225	6	612425	16	621403	14	645103	13
592252	5	592511	4	598226	6	612426	16	621405	14	645104	13
592254	5	592512	4	598228	6	612428	16	621406	14	645105	13
592255	5	592514	5	598322	6	613105	14	621408	14	645109	13
592256	5	592515	5	598323	6	613106	14	621410	14	645110	13
592258	5	592516	5	598324	6	613108	14	621411	14	645111	13
592301	4	592517	5	598325	6	613111	14	621412	14	645115	13
592302	4	592522	5	598326	6	613125	16	621425	16	645116	13
592303	4	592523	5	598328	6	613126	16	621426	16	645117	13
592304	4	592552	5	598422	6	613128	16	621428	16	645121	13
592305	4	592553	5	598423	6	613305	14	622105	14	645122	13
592306	4	592554	5	598424	6	613306	14	622106	14	645123	13
592307	4	592555	5	598425	6	613326	16	622108	14	645127	13
592308	4	592556	5	598426	6	613328	16	622110	14	645128	13
592309	4	592557	5	598428	6	613425	16	622111	14	645129	13
592310	4	592558	5	598522	6	613426	16	622403	14	645133	13
592311	4	594452	5	598523	6	613428	16	622405	14	645134	13
592312	4	594455	5	598524	6	613442	14	622406	14	645135	13
592314	5	594456	5	598525	6	613443	14	622408	14	645139	13
592315	5	594458	5	598526	6	613445	14	623106	14	645140	13
592316	5	595216	6	598528	6	613446	14	623108	14	645141	13
592317	5	595218	6	600000	64	613448	14	623110	14	645145	13
592318	5	595312	6	600057	64	613450	14	623125	16	645146	13
592323	5	595314	6	611105	14	613486	15	623403	14	645147	13
592352	5	595315	6	611106	14	614105	14	623405	14	645153	13
592355	5	595316	6	611108	14	614106	14	623406	14	645154	13
592356	5	595318	6	611110	14	614108	14	623408	14	645155	13
592358	5	595402	7	611111	14	614110	14	623410	14	645159	13
592401	4	595405	7	611112	14	614111	14	623411	14	645160	13
592402	4	595412	6	611125	16	614125	16	623425	16	645161	13
592403	4	595414	6	611126	16	614126	16	623426	16	645165	13
592404	4	595415	6	611128	16	614128	16	624105	14	645166	13
592405	4	595416	6	611402	14	614425	16	624106	14	645167	13

Part Number Index (cont.)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
645171	13	645978	13	648959	13	701100	20	705209	22	709291	19
645172	13	645979	13	648960	13	701115	23	705344	17	709469	8
645173	13	645980	13	648968	13	701351	8	705467	23	709600	18
645177	13	645982	13	648969	13	701355	17	705509	19	709653	19
645178	13	645983	13	648970	13	701412	8	705581	18	709700	17
645179	13	645984	13	648978	13	701425	19	705686	17	709739	8
645183	13	645985	13	648979	13	701529	65	705752	8	709813	18
645184	13	645986	13	648980	13	701566	17	705762	24	709823	8
645185	13	645987	13	648988	13	701616	8	705819	18	709907	17
645189	13	645988	13	648989	13	701629	19	706036	19	709966	20
645190	13	645989	13	648990	13	701656	65	706040	66	710056	8
645191	13	645990	13	648998	13	701657	8	706044	18	710130	20
645195	13	645992	13	648999	13	701758	18	706114	20	710189	18
645196	13	645993	13	661403	15	701913	18	706133	20	710190	65
645197	13	645994	13	661405	15	701974	19	706221	24	710213	65
645902	13	645995	13	661406	15	702004	18	706242	8	710267	18
645903	13	645996	13	661407	15	702091	18	706311	24	710271	17
645904	13	645997	13	661408	15	702181	18	706313	18	710302	19
645905	13	645998	13	661409	15	702193	17	706317	17	710335	17
645906	13	645999	13	661410	15	702229	19	706436	66	710358	19
645907	13	646215	25	661411	15	702286	65	706454	18	710479	18
645908	13	646220	25	661423	16	702309	17	706495	22	710580	19
645909	13	646225	25	661425	16	702484	8	706818	24	710679	66
645910	13	646240	25	661426	16	702513	18	706830	8	710725	19
645912	13	646245	25	661427	16	702562	66	706874	65	710855	18
645913	13	646320	25	661428	16	702639	8	706968	19	710870	65
645914	13	646325	25	661430	16	702701	8	707034	18	710893	65
645915	13	646340	25	661505	15	702743	8	707045	8	710928	19
645916	13	646345	25	661506	15	702816	66	707096	19	711042	18
645917	13	646570	25	661508	15	702954	19	707195	24	711147	18
645918	13	648000	13	661524	16	703077	66	707212	19	711199	24
645919	13	648708	13	661603	15	703078	18	707246	8	711249	66
645920	13	648709	13	661605	15	703197	8	707308	18	711436	20
645922	13	648710	13	661606	15	703198	17	707336	18	711444	17
645923	13	648718	13	661608	15	703199	18	707415	20	711456	66
645924	13	648719	13	661610	15	703470	20	707434	17	711471	18
645925	13	648720	13	661625	16	703612	8	707505	8	711570	19
645926	13	648868	13	661626	16	703654	22	707508	20	711599	17
645927	13	648869	13	661825	16	703732	18	707605	66	711613	8
645928	13	648870	13	681405	15	703778	17	707617	18	711626	19
645929	13	648878	13	681406	15	703857	8	707620	17	711790	20
645930	13	648879	13	681408	15	703946	66	707712	18	711853	8
645932	13	648880	13	681410	15	703989	19	707798	22	712123	8
645933	13	648888	13	681425	16	704000	23	707947	18	712149	24
645934	13	648889	13	681426	16	704023	24	707988	18	712180	19
645935	13	648890	13	681427	16	704214	19	708027	8	712207	24
645936	13	648898	13	681428	16	704341	8	708151	18	712230	65
645937	13	648899	13	681605	15	704345	18	708186	8	712248	8
645938	13	648900	13	681606	15	704406	17	708200	66	712354	18
645939	13	648908	13	681625	16	704431	66	708357	19	712374	8
645962	13	648909	13	700085	66	704474	8	708462	19	712584	65
645963	13	648910	13	700143	66	704491	65	708503	8	712625	18
645964	13	648918	13	700169	19	704494	18	708512	8	712644	20
645965	13	648919	13	700307	23	704582	17	708530	18	712689	65
645966	13	648920	13	700346	8	704680	8	708559	20	712731	19
645967	13	648928	13	700379	24	704780	66	708564	18	712768	20
645968	13	648929	13	700624	18	704817	19	708617	17	712902	19
645969	13	648930	13	700667	19	704821	24	708669	66	713059	8
645970	13	648938	13	700717	65	704858	20	708744	24	713062	8
645972	13	648939	13	700718	17	704948	8	708751	8	713063	8
645973	13	648940	13	700743	65	704972	20	708756	20	713066	8
645974	13	648948	13	700773	20	705036	18	708875	65	713072	19
645975	13	648949	13	700811	8	705090	17	708897	65	713077	19
645976	13	648950	13	700927	66	705169	8	708907	17	713079	8
645977	13	648958	13	700939	19	705196	18	709187	18	713081	19

Part Number Index (cont.)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
713088	8	715212	24	725013	42	727403	42	819130	35	840133	27
713095	24	715219	18	725014	42	727405	43	827000	45	840134	27
713096	24	715246	23	725017	42	727406	43	827500	44	840135	27
713097	24	715523	18	725019	42	727408	43	827505	44	840136	27
713125	17	715984	8	726000	20	727410	43	827510	44	840137	27
713139	18	716087	8	726001	20	727459	42	827520	45	840138	27
713152	8	716295	65	726002	20	727460	42	827525	44	840139	27
713155	8	716296	65	726003	20	730076	17	827600	44	840157	35
713158	8	716916	65	726004	20	730077	17	827605	44	840181	27
713159	24	717078	65	726005	20	730078	17	827620	44	840182	27
713160	24	717530	65	726006	20	730088	17	827630	44	840183	27
713161	24	717639	18	726007	20	730089	17	830010	43	840184	27
713199	24	717919	65	726011	20	730090	17	830011	43	840185	27
713200	24	718124	22	726012	20	730099	17	830015	43	840186	27
713202	24	718217	19	726015	20	730101	17	830016	43	840187	27
713205	24	718249	18	726016	20	730102	17	830020	43	840188	27
713221	17	719648	8	726017	20	730391	17	830021	43	840189	27
713226	18	719662	23	726019	20	730407	23	830025	43	840211	34
713227	18	722386	18	726020	20	730409	22	830026	43	840212	34
713255	8	722624	8	726021	20	730412	22	830042	43	840213	34
713276	24	722683	23	726022	20	730415	22	830070	43	840215	34
713296	24	722753	18	726027	20	730453	8	830071	43	840231	27
713297	24	722798	23	726028	20	730454	8	830130	43	840232	27
713312	8	722813	22	726029	20	730469	8	830170	43	840233	27
713313	8	722950	19	726037	20	730470	8	830171	43	840234	27
713317	19	723080	23	726050	20	730494	8	830270	43	840235	27
713369	18	723169	23	726051	20	800025	62	830271	43	840236	27
713377	8	723397	23	726057	20	800031	62	831608	34	840237	27
713393	18	723901	19	726059	20	800066	34	831610	34	840238	27
713402	18	723947	23	726060	20	800067	34	831618	34	840239	27
713411	23	724010	22	726062	20	800068	28	831620	34	840241	27
713420	18	724186	23	726070	20	800069	28	831708	34	840242	27
713444	18	724274	39	726096	20	800072	28	831710	34	840243	27
713448	24	724275	39	727025	8	800075	34	831718	34	840281	27
713459	18	724276	39	727026	8	800081	43	831720	34	840282	27
713465	23	724277	39	727047	8	800082	43	840011	34	840283	27
713511	8	724278	39	727131	23	810005	62	840012	34	840284	27
713566	8	724279	39	727133	8	810211	34	840013	34	840285	27
713610	18	724280	39	727157	19	810212	34	840015	34	840286	27
713638	65	724284	39	727180	8	810213	34	840020	64	840287	27
713648	24	724346	23	727266	18	810312	34	840030	64	840288	27
713653	66	724359	23	727305	8	810313	34	840031	27	840289	27
713656	18	724602	30	727317	8	810315	34	840032	27	840300	38
713907	8	724603	30	727334	42	810321	34	840033	27	840311	34
713908	19	724605	30	727335	17	810412	34	840034	27	840312	34
713948	24	724606	30	727338	17	810413	34	840036	27	840313	34
713949	24	724607	30	727339	17	810415	34	840037	27	840314	35
713983	8	724620	22	727340	17	810710	35	840038	27	840315	34
713987	8	724642	23	727341	17	810910	35	840039	27	840317	34
714164	24	724655	8	727342	17	811027	46	840040	64	840319	35
714175	18	724738	8	727343	17	811030	35	840042	64	840321	34
714179	24	724921	8	727344	17	811031	35	840050	64	840322	35
714235	18	724923	8	727347	17	811127	46	840052	64	840323	35
714471	22	724961	23	727348	17	811410	35	840070	64	840331	27
714664	19	724964	8	727349	17	811524	60	840100	38	840332	27
714680	8	725000	42	727385	23	811532	60	840108	34	840333	27
714696	24	725001	42	727394	42	811632	60	840109	34	840334	27
714719	18	725002	42	727395	42	811732	60	840110	34	840335	27
714732	22	725004	42	727396	42	811811	60	840111	34	840336	27
714734	18	725005	42	727397	42	811821	60	840112	34	840337	27
714740	65	725006	42	727398	42	811822	60	840113	34	840338	27
714855	8	725007	42	727399	42	813710	35	840115	34	840339	27
714863	8	725008	42	727400	42	816110	35	840121	34	840342	27
714979	18	725011	42	727401	42	816910	35	840131	27	840347	27
715081	18	725012	42	727402	42	818130	35	840132	27	840348	27

Part Number Index (cont.)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
840349	27	840586	27	843990	46	850030	65	852475	53	854253	48
840354	27	840587	27	845045	29	850031	65	852478	53	854293	50
840357	35	840588	27	845050	29	850034	65	852481	53	854353	48
840358	35	840589	27	845411	29	850108	37	852498	53	854393	50
840370	27	840608	34	845412	29	850153	48	852499	53	854453	48
840380	38	840609	34	845413	29	850171	48	852675	53	854493	50
840381	27	840612	34	845414	29	850256	48	852733	50	854753	48
840382	27	840701	46	845415	29	850258	50	852833	50	854793	50
840383	27	840702	46	845416	29	850259	50	852933	50	854853	48
840384	27	840708	34	845417	29	850268	48	853033	50	854953	48
840385	27	840709	34	845418	29	850274	50	853042	48	855053	48
840386	27	840710	34	845419	29	850282	50	853052	48	855093	50
840387	27	840810	34	845511	29	850285	48	853053	48	855153	48
840388	27	840902	46	845512	29	850286	48	853093	50	855193	50
840389	27	840908	34	845513	29	850306	49	853133	50	855353	48
840396	46	840909	34	845514	29	850307	49	853142	48	855753	48
840397	46	840910	34	845515	29	850315	37	853152	48	855853	48
840398	46	842336	29	845516	29	850325	37	853153	48	855953	48
840399	46	842337	29	845517	29	850333	50	853193	50	856191	49
840400	38	842338	29	845518	29	850345	48	853201	52	856192	49
840411	34	842339	29	845519	29	850353	48	853205	52	856291	49
840412	34	842434	29	845611	29	850357	50	853210	52	856292	49
840413	34	842436	29	845612	29	850373	49	853213	52	856391	49
840414	35	842437	29	845613	29	850374	49	853215	52	856392	49
840415	34	842438	29	845614	29	850375	49	853225	53	856491	49
840419	35	842439	29	845615	29	850376	49	853235	52	856492	49
840421	34	843401	46	845616	29	850415	37	853237	52	856891	49
840431	27	843402	46	845617	29	850425	37	853240	52	856892	49
840432	27	843531	28	845618	29	850453	48	853250	52	856991	49
840433	27	843531	36	845619	29	850608	37	853252	48	857382	48
840434	27	843532	28	845811	29	850708	37	853254	52	857482	48
840435	27	843532	36	845812	29	850808	37	853255	52	858082	48
840436	27	843533	28	845813	29	850908	37	853271	53	858182	48
840437	27	843533	36	845814	29	850953	48	853273	53	858282	48
840438	27	843534	36	845815	29	851033	50	853274	53	858382	48
840439	27	843534	28	845816	29	851133	50	853275	53	858482	48
840441	27	843535	28	845817	29	851333	50	853278	53	858882	48
840442	27	843535	36	845818	29	851733	50	853298	53	858982	48
840443	27	843537	36	845819	29	851833	50	853299	53	859128	37
840454	27	843537	28	846821	36	851933	50	853333	50	859182	48
840457	35	843538	28	846822	36	852033	50	853342	48	859282	48
840458	35	843538	36	846921	36	852105	52	853352	48	859382	48
840470	27	843539	36	846922	36	852109	52	853353	48	859482	48
840480	38	843539	28	848331	27	852110	52	853393	50	859908	37
840481	27	843732	36	848332	27	852115	52	853442	48	860108	35
840482	27	843732	28	848381	27	852133	50	853452	48	860608	35
840483	27	843734	36	848382	27	852135	52	853453	48	860706	35
840484	27	843734	28	848431	27	852140	52	853493	50	860708	35
840485	27	843736	28	848432	27	852171	53	853708	37	860710	35
840486	27	843736	36	848481	27	852173	53	853733	50	860808	35
840487	27	843737	28	848482	27	852178	53	853742	48	860906	35
840488	27	843737	36	848531	36	852198	53	853752	48	860908	35
840489	27	843738	28	848532	28	852199	53	853753	48	860910	35
840497	46	843738	36	848532	36	852233	50	853793	50	863110	54
840498	46	843739	28	848532	28	852333	50	853833	50	863115	54
840499	46	843739	36	848632	27	852405	52	853842	48	863135	54
840512	34	843890	46	848731	28	852410	52	853853	48	863140	54
840532	27	843931	28	848731	36	852413	52	853933	50	863175	54
840537	27	843931	36	848732	28	852433	50	853942	48	863178	54
840538	27	843932	28	848732	36	852435	52	853952	48	863198	54
840539	27	843932	36	848931	36	852437	52	853953	48	863199	54
840581	27	843937	36	848931	28	852454	52	854053	48	863205	54
840583	27	843937	28	849128	34	852455	52	854093	50	863210	54
840584	27	843938	36	849129	34	852471	53	854153	48	863213	54
840585	27	843938	28	850029	65	852473	53	854193	50	863215	54

Part Number Index (cont.)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
863225	54	873278	56	877006	61	880615	38	885102	31	890192	54
863235	54	873297	56	877007	61	880616	38	885105	31	890194	54
863237	54	873298	56	877008	61	880617	38	885106	31	890196	52
863240	54	873299	56	877009	61	880715	38	885107	31	890201	53
863268	54	873710	37	877010	61	880716	38	885160	31	890231	53
863271	54	875000	41	877012	61	880815	38	885161	31	890244	52
863273	54	875001	41	877013	61	880816	38	885162	31	890245	58
863274	54	875002	41	877014	61	880915	38	885215	31	890274	53
863275	54	875003	41	877015	61	880916	38	885217	31	890275	54
863278	54	875005	41	877016	61	881105	57	888003	31	890281	53
863281	54	875006	41	877017	61	881110	57	888004	31	890294	57
863298	54	875007	41	877018	61	881135	57	888005	31	890315	57
863299	54	875008	41	877019	62	881140	57	888006	31	890317	52
865110	35	875009	41	877020	62	881168	57	888007	31	890327	53
866128	35	875010	41	877021	62	881178	57	888008	31	890328	53
866908	35	875011	41	877022	62	881197	58	888009	31	890331	53
867108	35	875012	41	877023	62	881198	58	888010	31	890332	53
868128	35	875013	41	877024	62	881199	58	888011	31	890382	52
869126	35	875014	41	877025	62	882100	57	888012	31	890386	52
869128	35	875015	41	877026	62	882105	57	888013	31	890389	59
869130	35	875021	41	877027	62	882107	57	888014	31	890408	59
869201	66	875023	41	877028	62	882108	57	888015	31	890409	59
870710	37	875025	41	877029	62	882110	57	888016	31	891108	58
870910	37	875074	41	877030	62	882115	57	888017	31	891110	58
872135	55	875076	41	877031	62	882120	57	888030	31	891133	58
872154	55	875121	41	877032	62	882121	57	888031	31	891135	58
872173	56	875139	41	877033	62	882125	58	888032	31	891174	59
872198	56	875140	41	877034	62	882135	57	888036	31	891198	59
872199	56	875143	41	877035	62	882137	57	888037	31	891330	58
873100	55	875144	41	877038	61	882140	57	888038	31	891337	58
873105	55	875145	41	877039	61	882141	57	888039	31	891341	58
873107	55	875175	41	877040	62	882150	57	888040	31	891375	59
873108	55	875176	41	877041	62	882171	57	888041	31	891398	59
873110	55	875181	41	877045	62	882173	57	888048	31	891399	59
873115	55	875205	41	877061	61	882174	57	888049	31	892108	58
873133	55	875221	41	877062	61	882175	57	888050	31	892110	58
873135	55	875224	41	877063	61	882178	57	888051	31	892133	58
873136	55	875285	41	877064	61	882197	58	888052	31	892135	58
873140	55	875500	40	877065	61	882198	58	888053	31	892155	59
873150	55	875501	40	877066	61	882199	58	888054	31	892172	57
873154	55	875510	40	879404	32	885001	31	888055	31	892173	59
873155	55	875511	40	879406	32	885002	31	888056	31	892174	59
873171	56	875700	40	879408	32	885003	31	888057	31	892198	59
873173	56	875701	40	879504	32	885005	31	888058	31	898000	39
873174	56	875702	40	879506	32	885006	31	888059	31	898001	39
873177	56	875703	40	879508	32	885007	31	888081	31	898002	39
873178	56	875704	40	879702	32	885010	31	888082	31	898003	39
873198	56	875705	40	879704	32	885030	31	888083	31	898004	39
873199	56	875706	40	879706	32	885031	31	888126	31	898005	39
873200	55	875707	40	880213	38	885032	31	888127	31	898006	39
873205	55	875708	40	880215	38	885041	31	888128	31	898007	39
873207	55	875709	40	880216	38	885042	31	888649	31	898008	39
873210	55	875710	40	880313	38	885046	31	888650	31	898009	39
873213	55	875711	40	880315	38	885060	31	888851	31	898010	39
873225	56	875712	40	880316	38	885061	31	888852	31	898011	39
873233	55	875713	40	880413	38	885062	31	888853	31	898015	39
873235	55	875714	40	880415	38	885070	31	890059	55	899330	58
873236	55	875716	40	880416	38	885072	31	890064	54	899337	58
873237	55	875717	40	880417	38	885090	31	890068	57	899341	58
873240	55	876910	37	880475	38	885091	31	890080	53	899375	59
873271	56	877000	61	880476	38	885092	31	890094	53	899398	59
873272	56	877001	61	880493	46	885095	31	890098	53	899399	59
873273	56	877002	61	880495	46	885096	31	890168	56		
873274	56	877003	61	880513	38	885097	31	890170	53		
873275	56	877004	61	880515	38	885100	31	890173	54		
873277	56	877005	61	880516	38	885101	31	890177	56		

UPC Index

UPC Number	Page	UPC Number	Page	UPC Number	Page	UPC Number	Page	UPC Number	Page	UPC Number	Page
051115-27129-5	43	051115-32489-5	27	051115-32552-6	4	051115-32697-4	66	051115-32875-6	19	051115-32969-2	24
051115-32400-0	4	051115-32490-1	27	051115-32558-8	5	051115-32700-1	64	051115-32876-3	18	051115-32970-8	24
051115-32401-7	4	051115-32491-8	27	051115-32559-5	5	051115-32701-8	64	051115-32878-7	18	051115-32971-5	24
051115-32402-4	4	051115-32492-5	27	051115-32560-1	5	051115-32702-5	64	051115-32879-4	17	051115-32972-2	24
051115-32403-1	4	051115-32493-2	27	051115-32561-8	5	051115-32708-7	63	051115-32880-0	8	051115-32974-6	24
051115-32404-8	4	051115-32494-9	27	051115-32562-5	4	051115-32710-0	63	051115-32881-7	24	051115-32976-0	24
051115-32405-5	4	051115-32495-6	28	051115-32563-2	4	051115-32723-0	4	051115-32882-4	19	051115-32977-7	24
051115-32406-2	4	051115-32495-6	36	051115-32564-9	4	051115-32724-7	4	051115-32884-8	18	051115-32978-4	8
051115-32407-9	4	051115-32496-3	28	051115-32565-6	4	051115-32725-4	4	051115-32885-5	17	051115-32979-1	8
051115-32408-6	4	051115-32496-3	36	051115-32566-3	4	051115-32726-1	4	051115-32886-2	66	051115-32980-7	8
051115-32409-3	4	051115-32497-0	28	051115-32567-0	4	051115-32728-5	5	051115-32887-9	65	051115-32981-4	66
051115-32410-9	4	051115-32497-0	36	051115-32568-7	4	051115-32729-2	5	051115-32889-3	20	051115-32982-1	24
051115-32411-6	4	051115-32498-7	28	051115-32569-4	4	051115-32730-8	5	051115-32891-6	8	051115-32990-6	65
051115-32412-3	4	051115-32498-7	36	051115-32573-1	5	051115-32731-5	4	051115-32892-3	18	051115-32998-2	23
051115-32413-0	4	051115-32499-4	28	051115-32574-8	5	051115-32732-2	4	051115-32895-4	19	051115-33001-8	39
051115-32414-7	4	051115-32499-4	36	051115-32576-2	5	051115-32735-3	5	051115-32896-1	17	051115-33002-5	30
051115-32415-4	4	051115-32500-7	28	051115-32577-9	5	051115-32736-0	5	051115-32898-5	18	051115-33003-2	30
051115-32416-1	4	051115-32500-7	36	051115-32578-6	4	051115-32737-7	5	051115-32899-2	18	051115-33006-3	42
051115-32417-8	4	051115-32501-4	27	051115-32579-3	4	051115-32738-4	4	051115-32900-5	24	051115-33007-0	42
051115-32418-5	4	051115-32502-1	27	051115-32582-3	5	051115-32739-1	4	051115-32902-9	24	051115-33008-7	42
051115-32419-2	4	051115-32503-8	27	051115-32583-0	5	051115-32740-7	4	051115-32903-6	17	051115-33009-4	42
051115-32420-8	4	051115-32504-5	27	051115-32587-8	5	051115-32741-4	4	051115-32908-1	24	051115-33010-0	42
051115-32421-5	4	051115-32505-2	27	051115-32588-5	4	051115-32742-1	4	051115-32909-8	19	051115-33011-7	42
051115-32422-2	4	051115-32506-9	27	051115-32589-2	4	051115-32743-8	4	051115-32911-1	24	051115-33012-4	42
051115-32423-9	4	051115-32507-6	27	051115-32590-8	4	051115-32744-5	4	051115-32912-8	19	051115-33013-1	42
051115-32424-6	4	051115-32508-3	35	051115-32591-5	4	051115-32745-2	4	051115-32913-5	18	051115-33015-5	20
051115-32425-3	4	051115-32509-0	34	051115-32592-2	4	051115-32749-0	5	051115-32914-2	18	051115-33019-3	17
051115-32426-0	5	051115-32510-6	34	051115-32593-9	4	051115-32750-6	4	051115-32915-9	20	051115-33026-1	62
051115-32427-7	5	051115-32511-3	34	051115-32598-4	5	051115-32751-3	4	051115-32916-6	66	051115-33028-5	62
051115-32428-4	5	051115-32512-0	34	051115-32599-1	5	051115-32752-0	4	051115-32917-3	18	051115-33029-2	28
051115-32429-1	5	051115-32513-7	34	051115-32600-4	5	051115-32753-7	4	051115-32918-0	17	051115-33030-8	34
051115-32430-7	5	051115-32514-4	34	051115-32612-7	5	051115-32754-4	4	051115-32919-7	18	051115-33032-2	62
051115-32431-4	5	051115-32515-1	35	051115-32620-2	6	051115-32755-1	4	051115-32920-3	8	051115-33033-9	34
051115-32432-1	5	051115-32516-8	37	051115-32621-9	6	051115-32756-8	4	051115-32922-7	19	051115-33034-6	34
051115-32433-8	5	051115-32517-5	35	051115-32622-6	6	051115-32757-5	4	051115-32923-4	18	051115-33035-3	34
051115-32434-5	5	051115-32518-2	35	051115-32623-3	6	051115-32760-5	5	051115-32924-1	17	051115-33036-0	34
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051115-32444-4	6	051115-32529-3	45	051115-32634-9	6	051115-32774-2	6	051115-32936-4	65	051115-33047-6	60
051115-32445-1	6	051115-32530-4	29	051115-32635-6	6	051115-32812-0	17	051115-32939-5	17	051115-33048-3	60
051115-32446-8	6	051115-32531-1	29	051115-32636-3	6	051115-32832-9	66	051115-32941-8	18	051115-33052-0	45
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051115-32468-0	64	051115-32533-5	31	051115-32638-7	6	051115-32840-4	18	051115-32944-9	65	051115-33055-1	44
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051115-32473-4	18	051115-32536-6	62	051115-32659-2	10	051115-32842-8	65	051115-32947-0	18	051115-33057-5	44
051115-32474-1	20	051115-32538-0	4	051115-32660-8	10	051115-32843-5	66	051115-32948-7	24	051115-33058-2	43
051115-32475-8	63	051115-32539-7	4	051115-32661-5	10	051115-32844-2	19	051115-32950-0	66	051115-33059-9	43
051115-32476-5	65	051115-32540-3	4	051115-32662-2	10	051115-32847-3	20	051115-32951-7	17	051115-33060-5	43
051115-32477-2	52	051115-32541-0	4	051115-32668-4	10	051115-32855-8	8	051115-32952-4	8	051115-33061-2	43
051115-32478-9	57	051115-32542-7	4	051115-32672-1	10	051115-32858-9	18	051115-32956-2	65	051115-33062-9	43
051115-32479-6	50	051115-32543-4	5	051115-32673-8	10	051115-32862-6	18	051115-32960-9	20	051115-33063-6	34
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051115-32481-9	48	051115-32545-8	4	051115-32676-7	10	051115-32866-4	18	051115-32962-3	20	051115-33065-0	34
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051115-32485-7	48	051115-32548-9	4	051115-32690-5	63	051115-32871-8	8	051115-32965-4	8	051115-33068-1	34
051115-32486-4	27	051115-32549-6	4	051115-32692-9	63	051115-32872-5	66	051115-32966-1	24	051115-33069-8	27
051115-32487-1	27	051115-32550-2	4	051115-32694-3	63	051115-32873-2	8	051115-32967-8	18	051115-33070-4	27
051115-32488-8	27	051115-32551-9	4	051115-32696-7	66	051115-32874-9	66	051115-32968-5	8	051115-33071-1	27

UPC Index (cont.)

UPC Number	Page	UPC Number	Page	UPC Number	Page	UPC Number	Page	UPC Number	Page	UPC Number	Page
051115-33072-8	27	051115-33143-5	34	051115-33222-7	49	051115-33310-1	57	051115-33420-7	10	051115-33954-7	18
051115-33073-5	64	051115-33144-2	34	051115-33224-1	48	051115-33311-8	57	051115-33421-4	10	051115-33955-4	18
051115-33074-2	64	051115-33145-9	46	051115-33225-8	37	051115-33312-5	57	051115-33423-8	10	051115-33968-4	18
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051115-33082-7	34	051115-33149-7	28	051115-33232-6	54	051115-33319-4	31	051115-33450-4	10	051115-34000-0	18
051115-33083-4	34	051115-33149-7	36	051115-33233-3	54	051115-33320-0	31	051115-33451-1	10	051115-34002-4	18
051115-33084-1	34	051115-33150-3	28	051115-33234-0	54	051115-33321-7	31	051115-33452-8	10	051115-34004-8	18
051115-33085-8	27	051115-33150-3	36	051115-33235-7	54	051115-33322-4	31	051115-33453-5	10	051115-34005-5	18
051115-33086-5	27	051115-33152-7	28	051115-33236-4	54	051115-33323-1	31	051115-33454-2	10	051115-34007-9	18
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051115-33088-9	34	051115-33153-4	28	051115-33239-5	54	051115-33325-5	31	051115-33456-6	10	051115-34021-5	19
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051115-33091-9	27	051115-33158-9	29	051115-33243-2	55	051115-33328-6	31	051115-33459-7	10	051115-34035-2	19
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051115-33094-0	27	051115-33161-9	29	051115-33246-3	55	051115-33339-2	31	051115-33462-7	10	051115-34039-0	19
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051115-33097-1	27	051115-33165-7	29	051115-33250-0	55	051115-33342-2	31	051115-33781-9	17	051115-34079-6	19
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051115-33105-3	35	051115-33180-0	65	051115-33258-6	41	051115-33354-5	58	051115-33811-3	17	051115-34100-7	19
051115-33108-4	27	051115-33184-8	37	051115-33259-3	41	051115-33355-2	58	051115-33815-1	17	051115-34117-5	19
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051115-33110-7	27	051115-33187-9	52	051115-33261-6	41	051115-33371-2	10	051115-33817-5	17	051115-34181-6	19
051115-33111-4	27	051115-33189-3	50	051115-33262-3	41	051115-33372-9	10	051115-33818-2	17	051115-34197-7	19
051115-33112-1	27	051115-33190-9	52	051115-33264-7	41	051115-33373-6	10	051115-33820-5	17	051115-34205-9	19
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051115-33114-5	46	051115-33192-3	50	051115-33273-9	61	051115-33385-9	10	051115-33830-4	18	051115-34210-3	19
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051115-33116-9	35	051115-33196-1	52	051115-33275-3	62	051115-33387-3	10	051115-33851-9	18	051115-34247-9	19
051115-33117-6	34	051115-33197-8	52	051115-33276-0	62	051115-33388-0	10	051115-33873-1	18	051115-34253-0	19
051115-33118-3	27	051115-33198-5	52	051115-33277-7	62	051115-33389-7	10	051115-33875-5	18	051115-34329-2	17
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051115-33120-6	27	051115-33200-5	52	051115-33279-1	62	051115-33391-0	10	051115-33882-3	18	051115-34331-5	17
051115-33121-3	27	051115-33201-2	52	051115-33280-7	62	051115-33392-7	10	051115-33883-0	18	051115-34335-3	17
051115-33122-0	27	051115-33202-9	53	051115-33281-4	61	051115-33394-1	10	051115-33885-4	18	051115-34336-0	17
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051115-33124-4	27	051115-33204-3	48	051115-33283-8	61	051115-33396-5	10	051115-33895-3	18	051115-34338-4	17
051115-33125-1	35	051115-33205-0	48	051115-33288-3	38	051115-33397-2	10	051115-33897-7	18	051115-34339-1	17
051115-33127-5	27	051115-33206-7	50	051115-33289-0	38	051115-33399-6	10	051115-33898-4	18	051115-34345-2	17
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051115-33129-9	27	051115-33209-8	48	051115-33291-3	38	051115-33401-6	10	051115-33900-4	18	051115-34347-6	17
051115-33130-5	27	051115-33210-4	50	051115-33292-0	38	051115-33402-3	10	051115-33915-8	18	051115-34350-6	17
051115-33131-2	27	051115-33211-1	48	051115-33293-7	38	051115-33403-0	10	051115-33916-5	18	051115-34351-3	17
051115-33132-9	27	051115-33212-8	48	051115-33294-4	38	051115-33406-1	10	051115-33917-2	18	051115-34353-7	17
051115-33133-6	27	051115-33213-5	50	051115-33295-1	38	051115-33407-8	10	051115-33925-7	18	051115-34354-4	17
051115-33134-3	27	051115-33214-2	48	051115-33296-8	38	051115-33408-5	10	051115-33926-4	18	051115-34355-1	17
051115-33135-0	46	051115-33215-9	48	051115-33297-5	38	051115-33409-2	10	051115-33941-7	18	051115-34364-3	17
051115-33136-7	27	051115-33216-6	48	051115-33300-2	38	051115-33410-8	10	051115-33943-1	18	051115-34366-7	17
051115-33137-4	27	051115-33217-3	50	051115-33303-3	38	051115-33412-2	10	051115-33948-6	18	051115-34487-9	4
051115-33138-1	27	051115-33218-0	48	051115-33304-0	38	051115-33414-6	10	051115-33949-3	18	051115-34488-6	4
051115-33140-4	46	051115-33219-7	49	051115-33307-1	57	051115-33415-3	10	051115-33950-9	18	051115-34489-3	4
051115-33141-1	46	051115-33220-3	49	051115-33308-8	57	051115-33418-4	10	051115-33951-6	18	051115-34490-9	4
051115-33142-8	34	051115-33221-0	49	051115-33309-5	58	051115-33419-1	10	051115-33953-0	18	051115-34491-6	4

UPC Index (cont.)

UPC Number	Page
051115-34492-3	4
051115-34493-0	4
051115-34494-7	4
051115-34495-4	4
051115-34496-1	4
051115-34498-5	4
051115-34499-2	4
051115-34500-5	4
051115-34501-2	4
051115-34502-9	4
051115-34516-6	4
051115-34517-3	4
051115-34518-0	4
051115-34519-7	4
051115-34520-3	4
051115-34521-0	4
051115-34522-7	4
051115-34523-4	4
051115-34524-1	4
051115-34525-8	4
051115-34526-5	4
051115-34527-2	4
051115-34528-9	4
051115-34529-6	4
051115-34530-2	4
051115-34531-9	4
051115-34532-6	4
051115-34533-3	4
051115-34534-0	4
051115-34535-7	4
051115-34536-4	4
051115-34537-1	4
051115-34538-8	4
051115-34549-4	5
051115-34550-0	5
051115-34551-7	5
051115-34552-4	5
051115-34557-9	5
051115-34558-6	5
051115-34559-3	5
051115-34561-6	5
051115-34567-8	5
051115-34568-5	5
051115-34569-2	5
051115-34570-8	5
051115-34571-5	5
051115-34572-2	5
051115-34573-9	5
051115-34578-4	5
051115-34579-1	5
051115-34580-7	5
051115-34581-4	5
051115-34594-4	5
051115-34595-1	5
051115-34596-8	5
051115-34599-9	5
051115-34600-2	5
051115-34601-9	5
051115-34602-6	5
051115-34603-3	5
051115-34604-0	5
051115-34605-7	5
051115-34606-4	5
051115-34607-1	5
051115-34608-8	5

UPC Number	Page
051115-34609-5	5
051115-34610-1	5
051115-34632-3	5
051115-34634-7	5
051115-34635-4	5
051115-34636-1	5
051115-34637-8	5
051115-34781-8	5
051115-34782-5	5
051115-34783-2	5
051115-34784-9	5
051115-34785-6	5
051115-34789-4	5
051115-34790-0	5
051115-34792-4	5
051115-34793-1	5
051115-34794-8	5
051115-34799-3	5
051115-34800-6	5
051115-34801-3	5
051115-34806-8	5
051115-34807-5	5
051115-34809-9	5
051115-34810-5	5
051115-34811-2	5
051115-34822-8	6
051115-34823-5	6
051115-34824-2	6
051115-34825-9	6
051115-34826-6	6
051115-34827-3	6
051115-34828-0	6
051115-34829-7	6
051115-34830-3	6
051115-34831-0	6
051115-34832-7	6
051115-34834-1	6
051115-34835-8	6
051115-34836-5	6
051115-34838-9	6
051115-34919-5	6
051115-34920-1	6
051115-34922-5	6
051115-34923-2	6
051115-34924-9	6
051115-34925-6	6
051115-35036-8	6
051115-35037-5	6
051115-35038-2	6
051115-35039-9	6
051115-35041-2	6
051115-35042-9	6
051115-35043-6	6
051115-35044-3	6
051115-35045-0	6
051115-35046-7	6
051115-35047-4	6
051115-35048-1	6
051115-35049-8	6
051115-35050-4	6
051115-35051-1	6
051115-35052-8	6
051115-35054-2	6
051115-35056-6	6
051115-35057-3	6

UPC Number	Page
051115-35058-0	6
051115-35059-7	6
051115-35060-3	6
051115-35061-0	6
051115-35062-7	6
051115-35063-4	6
051115-35064-1	6
051115-35066-5	6
051115-35067-2	6
051115-35068-9	6
051115-35069-6	6
051115-35070-2	6
051115-35071-9	6
051115-35075-7	7
051115-35077-1	7
051115-35078-8	7
051115-35079-5	7
051115-35080-1	7
051115-35081-8	7
051115-35091-7	7
051115-35092-4	7
051115-35097-9	5
051115-35143-3	46
051115-35145-7	46
051115-35146-4	46
051115-35147-1	46
051115-35148-8	46
051115-35149-5	46
051115-35150-1	46
051115-35152-5	34
051115-35153-2	34
051115-35156-3	34
051115-35157-0	35
051115-35158-7	36
051115-35159-4	36
051115-35160-0	34
051115-35161-7	34
051115-35164-8	34
051115-35167-9	34
051115-35169-3	34
051115-35170-9	34
051115-35171-6	34
051115-35173-0	35
051115-35174-7	37
051115-35175-4	37
051115-35176-1	37
051115-35177-8	37
051115-35183-9	34
051115-35187-7	53
051115-35189-1	54
051115-35191-4	56
051115-35192-1	58
051115-35207-2	53
051115-35208-9	53
051115-35209-6	53
051115-35210-2	54
051115-35211-9	54
051115-35212-6	56
051115-35213-3	56
051115-35214-0	56
051115-35215-7	58
051115-35216-4	58
051115-35220-1	56
051115-35221-8	58
051115-35224-9	53

UPC Number	Page
051115-35225-6	53
051115-35226-3	54
051115-35227-0	54
051115-35228-7	56
051115-35229-4	56
051115-35230-0	56
051115-35231-7	58
051115-35232-4	58
051115-35233-1	59
051115-35234-8	59
051115-35235-5	58
051115-35236-2	60
051115-35237-9	60
051115-35243-0	61
051115-35244-7	61
051115-35248-5	61
051115-35249-2	61
051115-35250-8	61
051115-35251-5	61
051115-35252-2	61
051115-35260-7	61
051115-35261-4	61
051115-35266-9	61
051115-35267-6	61
051115-35273-7	61
051115-35274-4	61
051115-35280-5	61
051115-35281-2	61
051115-35282-9	61
051115-35283-6	61
051115-35290-4	61
051115-35291-1	61
051115-35292-8	61
051115-35293-5	61
051115-35298-0	62
051115-35299-7	62
051115-35302-4	62
051115-35303-1	62
051115-35304-8	62
051115-35310-9	62
051115-35311-6	62
051115-35312-3	62
051115-35313-0	62
051115-35320-8	62
051115-35321-5	62
051115-35334-5	62
051115-35335-2	62
051115-35370-3	52
051115-35371-0	52
051115-35374-1	52
051115-35375-8	52
051115-35378-9	52
051115-35379-6	52
051115-35380-2	52
051115-35381-9	52
051115-35382-6	52
051115-35383-3	52
051115-35384-0	52
051115-35385-7	52
051115-35389-5	52
051115-35394-9	52
051115-35395-6	52
051115-35396-3	52
051115-35397-0	52
051115-35402-1	52

UPC Number	Page
051115-35403-8	52
051115-35404-5	53
051115-35405-2	53
051115-35406-9	53
051115-35407-6	53
051115-35411-3	53
051115-35415-1	53
051115-35416-8	53
051115-35417-5	53
051115-35418-2	53
051115-35421-2	53
051115-35422-9	53
051115-35423-6	53
051115-35427-4	53
051115-35428-1	53
051115-35449-6	53
051115-35451-9	53
051115-35452-6	53
051115-35453-3	53
051115-35454-0	53
051115-35455-7	53
051115-35456-4	53
051115-35460-1	53
051115-35462-5	53
051115-35463-2	53
051115-35467-0	54
051115-35470-0	54
051115-35471-7	54
051115-35472-4	54
051115-35474-8	54
051115-35476-2	54
051115-35488-5	54
051115-35489-2	54
051115-35491-5	54
051115-35493-9	54
051115-35495-3	54
051115-35496-0	54
051115-35497-7	54
051115-35510-3	54
051115-35513-4	54
051115-35514-1	54
051115-35515-8	54
051115-35517-2	54
051115-35524-0	55
051115-35527-1	55
051115-35528-8	55
051115-35534-9	55
051115-35535-6	55
051115-35538-7	55
051115-35540-0	55
051115-35541-7	55
051115-35542-4	55
051115-35543-1	55
051115-35545-5	55
051115-35546-2	55
051115-35550-9	55
051115-35551-6	55
051115-35552-3	55
051115-35554-7	55
051115-35557-8	56
051115-35561-5	56
051115-35562-2	56
051115-35564-6	56
051115-35565-3	56
051115-35566-0	56

UPC Number	Page
051115-35572-1	56
051115-35573-8	56
051115-35574-5	56
051115-35575-2	56
051115-35578-3	56
051115-35580-6	56
051115-35582-0	56
051115-35604-9	57
051115-35609-4	57
051115-35610-0	57
051115-35612-4	57
051115-35614-8	57
051115-35616-2	57
051115-35617-9	57
051115-35621-6	57
051115-35622-3	57
051115-35624-7	57
051115-35629-2	57
051115-35632-2	57
051115-35639-1	57
051115-35647-6	57
051115-35648-3	57
051115-35652-0	57
051115-35685-8	58
051115-35686-5	58
051115-35687-2	58
051115-35690-2	59
051115-35693-3	59
051115-35695-7	57
051115-35697-1	57
051115-35699-5	59
051115-35704-6	29
051115-35705-3	29
051115-35706-0	29
051115-35707-7	29
051115-35708-4	29
051115-35709-1	29
051115-35710-7	29
051115-35711-4	29
051115-35712-1	29
051115-35713-8	29
051115-35714-5	29
051115-35715-2	29
051115-35736-7	29
051115-35737-4	29
051115-35738-1	29
051115-35739-8	29
051115-35743-5	29
051115-35771-8	29
051115-35774-9	29
051115-35776-3	29
051115-35777-0	29
051115-35778-7	29
051115-35779-4	29
051115-35780-0	29
051115-35781-7	29
051115-35782-4	29
051115-35783-1	29
051115-35784-8	29
051115-35785-5	29
051115-35789-3	29
051115-35790-9	

UPC Index (cont.)

UPC Number	Page	UPC Number	Page	UPC Number	Page	UPC Number	Page	UPC Number	Page	UPC Number	Page
051115-35824-1	46	051115-36348-1	31	051115-36632-1	20	051115-36910-0	27	051115-37040-3	48	051115-37175-2	39
051115-35825-8	46	051115-36349-8	31	051115-36634-5	20	051115-36911-7	27	051115-37042-7	48	051115-37197-4	63
051115-35829-6	38	051115-36387-0	31	051115-36636-9	20	051115-36912-4	27	051115-37044-1	48	051115-37198-1	63
051115-35835-7	38	051115-36388-7	31	051115-36658-1	41	051115-36913-1	27	051115-37046-5	48	051115-37235-3	63
051115-35838-8	38	051115-36389-4	31	051115-36659-8	41	051115-36914-8	27	051115-37051-9	48	051115-37267-4	64
051115-35840-1	38	051115-36390-0	31	051115-36660-4	41	051115-36915-5	27	051115-37052-6	48	051115-37268-1	64
051115-35841-8	38	051115-36391-7	31	051115-36661-1	41	051115-36921-6	28	051115-37054-0	48	051115-37273-5	64
051115-35842-5	38	051115-36392-4	31	051115-36663-5	41	051115-36922-3	36	051115-37057-1	48	051115-37291-7	8
051115-35843-2	38	051115-36393-1	31	051115-36668-0	41	051115-36922-3	36	051115-37061-8	48	051115-37298-8	8
051115-35845-6	38	051115-36394-8	31	051115-36673-4	41	051115-36923-0	36	051115-37064-9	48	051115-37299-5	8
051115-35846-3	38	051115-36395-5	31	051115-36695-6	41	051115-36923-0	36	051115-37065-6	48	051115-37308-4	8
051115-35864-7	43	051115-36397-9	31	051115-36696-3	41	051115-36923-0	36	051115-37066-3	48	051115-37309-1	8
051115-35869-2	43	051115-36398-6	31	051115-36697-0	41	051115-36933-3	27	051115-37067-0	48	051115-37310-7	8
051115-35870-8	43	051115-36399-3	31	051115-36698-7	41	051115-36936-0	27	051115-37069-4	48	051115-37311-4	8
051115-35871-5	43	051115-36404-4	31	051115-36704-5	41	051115-36937-7	27	051115-37074-8	48	051115-37321-3	8
051115-35872-2	43	051115-36405-1	31	051115-36709-0	41	051115-36938-4	27	051115-37075-5	48	051115-37323-7	8
051115-35897-5	43	051115-36406-8	31	051115-36710-6	41	051115-36939-1	27	051115-37081-6	48	051115-37324-4	8
051115-35898-2	43	051115-36407-5	31	051115-36717-5	41	051115-36940-7	27	051115-37083-0	48	051115-37333-6	8
051115-35899-9	43	051115-36408-2	31	051115-36743-4	41	051115-36941-4	27	051115-37085-4	48	051115-37335-0	8
051115-35900-2	43	051115-36409-9	31	051115-36749-6	41	051115-36942-1	27	051115-37090-8	50	051115-37336-7	8
051115-35901-9	43	051115-36414-3	31	051115-36750-2	41	051115-36943-8	27	051115-37091-5	50	051115-37337-4	8
051115-35902-6	43	051115-36415-0	31	051115-36761-8	41	051115-36944-5	27	051115-37092-2	50	051115-37338-1	8
051115-35903-3	43	051115-36418-1	31	051115-36763-2	41	051115-36945-2	27	051115-37093-9	50	051115-37339-8	8
051115-35908-8	37	051115-36419-8	31	051115-36767-0	41	051115-36961-2	49	051115-37094-6	50	051115-37341-1	8
051115-35909-5	37	051115-36420-4	31	051115-36768-7	41	051115-36962-9	49	051115-37095-3	50	051115-37342-8	8
051115-35910-1	37	051115-36421-1	31	051115-36785-6	27	051115-36963-6	49	051115-37096-0	50	051115-37343-5	8
051115-35912-5	37	051115-36422-8	31	051115-36836-3	27	051115-36965-0	49	051115-37103-5	48	051115-37344-2	8
051115-35914-9	46	051115-36434-1	31	051115-36837-0	27	051115-36966-7	49	051115-37104-2	48	051115-37345-9	8
051115-35918-7	46	051115-36435-8	31	051115-36839-4	27	051115-36967-4	49	051115-37105-9	48	051115-37347-3	8
051115-35932-3	37	051115-36436-5	31	051115-36841-7	27	051115-36968-1	49	051115-37106-6	48	051115-37348-0	8
051115-35934-7	37	051115-36440-2	31	051115-36842-4	27	051115-36969-8	49	051115-37108-0	48	051115-37349-7	8
051115-35935-4	37	051115-36441-9	31	051115-36843-1	27	051115-36971-1	49	051115-37109-7	48	051115-37351-0	8
051115-35936-1	37	051115-36442-6	31	051115-36844-8	27	051115-36974-2	50	051115-37114-1	48	051115-37358-9	8
051115-35938-5	37	051115-36443-3	31	051115-36845-5	27	051115-36975-9	50	051115-37116-5	48	051115-37360-2	8
051115-35944-6	35	051115-36447-1	31	051115-36846-2	27	051115-36976-6	50	051115-37124-0	48	051115-37361-9	8
051115-35960-6	35	051115-36449-5	31	051115-36847-9	27	051115-36977-3	50	051115-37125-7	48	051115-37362-6	8
051115-35964-4	35	051115-36450-1	31	051115-36848-6	27	051115-36982-7	50	051115-37126-4	48	051115-37363-3	8
051115-35966-8	35	051115-36451-8	31	051115-36850-9	27	051115-36983-4	50	051115-37128-8	43	051115-37365-7	8
051115-35968-2	35	051115-36452-5	31	051115-36851-6	27	051115-36989-6	50	051115-37131-8	43	051115-37366-4	8
051115-35973-6	35	051115-36453-2	31	051115-36853-0	28	051115-36990-2	50	051115-37133-2	43	051115-37367-1	8
051115-35974-3	35	051115-36454-9	31	051115-36854-7	28	051115-36991-9	50	051115-37143-1	42	051115-37368-8	8
051115-35975-0	35	051115-36455-6	31	051115-36862-2	27	051115-36993-3	50	051115-37144-8	42	051115-37369-5	8
051115-35976-7	35	051115-36456-3	31	051115-36863-9	27	051115-36996-4	50	051115-37145-5	42	051115-37370-1	8
051115-35977-4	35	051115-36457-0	31	051115-36864-6	27	051115-36997-1	50	051115-37146-2	42	051115-37372-5	8
051115-35978-1	35	051115-36458-7	31	051115-36866-0	27	051115-37000-7	50	051115-37149-3	42	051115-37373-2	8
051115-35983-5	35	051115-36461-7	31	051115-36870-7	28	051115-37004-5	50	051115-37150-9	42	051115-37375-6	8
051115-35984-2	35	051115-36472-3	31	051115-36870-7	36	051115-37005-2	50	051115-37151-6	42	051115-37377-0	8
051115-35992-7	35	051115-36473-0	31	051115-36871-4	28	051115-37009-0	50	051115-37152-3	42	051115-37378-7	8
051115-35993-4	35	051115-36474-7	31	051115-36871-4	36	051115-37010-6	50	051115-37153-0	42	051115-37379-4	8
051115-35994-1	35	051115-36475-4	31	051115-36872-1	28	051115-37015-1	50	051115-37154-7	42	051115-37380-0	8
051115-35998-9	35	051115-36478-5	31	051115-36872-1	36	051115-37016-8	50	051115-37155-4	42	051115-37381-7	8
051115-36031-2	34	051115-36509-6	31	051115-36874-5	27	051115-37017-5	50	051115-37157-8	42	051115-37382-4	8
051115-36032-9	34	051115-36510-2	31	051115-36875-2	27	051115-37020-5	50	051115-37158-5	42	051115-37392-3	8
051115-36035-0	34	051115-36512-6	31	051115-36876-9	27	051115-37022-9	48	051115-37159-2	42	051115-37393-0	8
051115-36036-7	34	051115-36514-0	31	051115-36877-6	27	051115-37024-3	48	051115-37161-5	42	051115-37394-7	8
051115-36037-4	34	051115-36607-9	20	051115-36878-3	27	051115-37026-7	48	051115-37162-2	42	051115-37400-5	8
051115-36038-1	34	051115-36609-3	20	051115-36879-0	27	051115-37027-4	48	051115-37163-9	42	051115-37401-2	8
051115-36059-6	34	051115-36614-7	20	051115-36881-3	27	051115-37031-1	48	051115-37165-3	42	051115-37402-9	8
051115-36060-2	34	051115-36616-1	20	051115-36899-8	27	051115-37032-8	48	051115-37166-0	42	051115-37403-6	8
051115-36072-5	34	051115-36617-8	20	051115-36900-1	27	051115-37033-5	48	051115-37167-7	39	051115-37404-3	8
051115-36072-5	34	051115-36619-2	20	051115-36901-8	27	051115-37034-2	48	051115-37168-4	39	051115-37407-4	8
051115-36073-2	34	051115-36624-6	20	051115-36905-6	27	051115-37035-9	48	051115-37169-1	39	051115-37411-1	8
051115-36074-9	34	051115-36627-7	20	051115-36907-0	27	051115-37036-6	48	051115-37170-7	39	051115-37412-8	8
051115-36342-9	31	051115-36628-4	20	051115-36908-7	27	051115-37038-0	48	051115-37171-4	39	051115-37477-7	24
051115-36347-4	31	051115-36630-7	20	051115-36909-4	27	051115-37039-7	48	051115-37172-1	39	051115-37478-4	24

UPC Index (cont.)

UPC Number	Page	UPC Number	Page	UPC Number	Page	UPC Number	Page	UPC Number	Page	UPC Number	Page
051115-37479-1	24	051115-41389-6	23	051115-42519-6	16	051115-42611-7	14	051115-42698-8	16	051115-43237-8	13
051115-37480-7	24	051115-41391-9	23	051115-42520-2	15	051115-42612-4	14	051115-42699-5	16	051115-43238-5	13
051115-37481-4	24	051115-41392-6	23	051115-42521-9	15	051115-42619-3	14	051115-42700-8	16	051115-43239-2	13
051115-37482-1	24	051115-41393-3	23	051115-42522-6	15	051115-42620-9	14	051115-42707-7	16	051115-43240-8	13
051115-37483-8	24	051115-41397-1	23	051115-42524-0	14	051115-42621-6	14	051115-42709-1	16	051115-43241-5	13
051115-37484-5	24	051115-41402-2	23	051115-42525-7	14	051115-42623-0	14	051115-42710-7	16	051115-43243-9	13
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051115-37486-9	24	051115-41408-4	23	051115-42527-1	14	051115-42625-4	14	051115-42715-2	16	051115-43245-3	13
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UPC Index (cont.)

UPC Number	Page	UPC Number	Page	UPC Number	Page	UPC Number	Page	UPC Number	Page	UPC Number	Page
051115-78522-1	13	051128-90611-8	63	051141-43457-5	27	051141-53673-6	13	051141-53768-9	11	051141-54010-8	11
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051128-90608-8	63	051141-43358-5	15	051141-53670-5	13	051141-53765-8	11	051141-54008-5	11		
051128-90609-5	63	051141-43359-2	15	051141-53672-9	13	051141-53767-2	11	051141-54009-2	11		



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