

# MERIT

## Abrasive Products Catalog

2009-2010

Merit Abrasive Products Catalog 2009-2010



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To verify the superiority of our products, we invite in-plant testing against any other brand of abrasive products, or lower performance tiers of our own products. This makes it as easy as possible for you to see the time-, labor- and money-saving advantages of Merit products. And it also allows you to test the many new products in our catalog.

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Along with an updated, easy-to-navigate look, the Merit web site continues to evolve in order to provide fuller content with enhanced product information and application solutions. Our goal is to tie more closely our printed materials with our electronic tools so that finding what you need is simple and productive. Our product search catalog will become more interactive with links to safety tips, MSDS sheets, photography, case histories, etc.

Just like our product innovation, we are also dedicated to being a leader in green practices. As we transition to more electronic communications, our aim is to enhance the speed of information to you, allow you to print on demand just what you need, and give you more online tools to find the products and solutions for the application at hand.



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# MERIT

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# PowerLock Discs

QUICK-CHANGE



Lantuck discs



FlexEdge discs



PowerLock fx discs

**Merit supplies the most comprehensive quick-change offering in the industry, with the largest variety of abrasives, backings and locking mechanisms. We are committed to consistently provide the highest quality of products that will “finish” the job and increase your profits.**

With our traditional aggressive Lantuck-backed discs, our Flex-Edge discs and our flexible PowerLock 'fx' discs, we carry every variety of quick-change disc to fit your every need.



## Traditional Merit PowerLock Discs are the most aggressive quick-change sanding discs available in our industry.

Traditional Merit PowerLock Discs can be used for working mild contours, but are ideal for use on flat surfaces. These discs are available in a variety of abrasives and backings; including ceramic, zirconia, aluminum oxide – cloth and fiber.

## PowerLock Discs come in a choice of three safe, easy-to-use fasteners.

No matter which fastener type you choose, all Merit PowerLock Discs feature laminated construction which provide a tough, durable backing — virtually eliminating the snagging and shredding that can occur with pressure-sensitive discs.

### Type I

Type I is a snap-on/snap-off system, which enables you to change discs quickly and safely, reducing down time and operating expenses (equivalent to Norton's TP fastener)



### Type II

Type II features a turn-on/turn-off style fastener (equivalent to Standard Abrasives' Soc-Att® locking system or Norton's TS fastener)



### Type III

Type III features a roll-on/roll-off style fastener (equivalent to 3M™ Roloc fastening system or Norton's TR fastener)





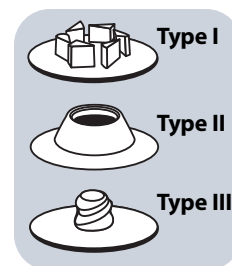
## Ultra Ceramic Plus PowerLock Cloth Discs

Industry-leading performance of ceramic abrasive provides unequaled life and value, especially on hard to grind alloys. The grinding aid produces longer life and cooler cut. Heavy Y-weight polyester backing provides excellent durability and grain adhesion.

### POWERLOCK CLOTH DISCS – ULTRA CERAMIC PLUS

DIAMETER	GRIT	TYPE I	TYPE II	TYPE III	
9/16"	36	08834163000	08834163315	-	
	100/box	40	08834163003	08834163316	-
	1,000/case	50	08834163004	08834163317	-
		60	08834163005	08834163318	-
		80	08834163014	08834163319	-
		100	08834163433	08834163434	-
3/4"	120	08834163017	08834163320	-	
	36	08834163020	08834163321	08834163392	
	100/box	40	08834163021	08834163322	08834163393
	1,000/case	50	08834163022	08834163324	08834163394
		60	08834163023	08834162239	08834163395
		80	08834163024	08834163339	08834163396
100		08834163436	66254410755	08834163438	
1"	120	08834163027	08834163362	08834163397	
	36	08834163028	08834163374	08834163398	
	100/box	40	08834163030	08834163375	08834163400
	1,000/case	50	08834163031	08834163376	08834163401
		60	08834163042	08834162240	08834163402
		80	08834163043	08834163378	08834163403
100		08834163439	08834163440	08834163441	
	120	08834163112	08834163379	08834163404	

BACK-UP PADS SHOWN ON PAGE 15





### POWERLOCK CLOTH DISCS – ULTRA CERAMIC PLUS (CONT'D)

DIAMETER	GRIT	TYPE I	TYPE II	TYPE III
1-1/2" 100/box 1,000/case	36	08834163113	08834163421	08834163405
	40	08834163114	08834163380	08834163406
	50	08834163115	08834163252	08834162620
	60	08834163116	08834160463	08834163407
	80	08834163117	08834163273	08834163408
	100	08834163442	08834163443	08834163444
2" 100/box 1,000/case	120	08834168650	08834168653	08834163409
	36	08834163119	08834163118	08834160449
	40	08834163120	08834163229	08834163410
	50	08834163121	08834163259	08834163411
	60	08834163231	08834163551	08834163412
	80	08834163219	08834163381	08834165615
3" 50/box 500/case	100	08834163445	08834163446	08834163447
	120	08834168651	08834163382	08834168657
	36	08834163238	08834163383	08834160458
	40	08834163245	08834163384	08834163413
	50	08834168275	08834163385	08834163414
	60	08834163266	08834163386	08834163415
4" 50/box 200/case	80	08834169701	08834163387	08834168178
	100	08834163448	08834163449	08834163450
	120	08834168652	08834168655	08834168658
	36	08834163280	08834162742	08834163416
	40	08834163287	08834163388	08834163417
	50	08834163294	08834162743	08834163418
50/box 200/case	60	08834163301	08834163389	08834162992
	80	08834163308	08834163390	08834163419
	100	08834163451	08834163452	08834163453
	120	08834163314	08834163391	08834163420

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**Tip**

If you are looking for premium performance and lower overall cost, move up to Ultra Ceramic Plus.

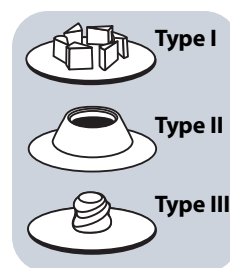


## ZIRC Plus R801 PowerLock Cloth Discs

Ideal product for demanding grinding applications. Grinding aid results in cooler cut on stainless steel, titanium and other exotic alloys. Heavy Y-weight polyester backing provides excellent durability and grain adhesion.

### POWERLOCK CLOTH DISCS – ZIRC PLUS R801

DIAMETER	GRIT	TYPE I	TYPE II	TYPE III	
1"	36	08834167009	08834167051	08834167093	
	100/box	40	08834167010	08834167052	08834167094
	1,000/case	50	08834167011	08834167053	08834167095
	60	08834167012	08834167054	08834167096	
	80	08834167013	08834167055	08834167097	
	120	08834167015	08834167057	08834167099	
1-1/2"	36	08834167016	08834167058	08834167100	
	100/box	40	08834167017	08834167059	08834167101
	1,000/case	50	08834167018	08834167060	08834167102
	60	08834167019	08834167061	08834167103	
	80	08834167020	08834167062	08834167104	
	120	08834167022	08834167064	08834167106	
2"	36	08834167023	08834167065	08834167107	
	100/box	40	08834167024	08834167066	08834167108
	1,000/case	50	08834167025	08834165583	08834167109
	60	08834167026	08834167068	08834167110	
	80	08834167027	08834167069	08834167111	
	120	08834167029	08834167071	08834167113	
3"	36	08834167030	08834167072	08834167114	
	50/box	40	08834167031	08834167073	08834167115
	500/case	50	08834167032	08834167074	08834167116
	60	08834167033	08834167075	08834167117	
	80	08834167034	08834167076	08834167118	
	120	08834167036	08834167078	08834167120	
4	36	08834167037	08834167079	08834167121	
	50/box	40	08834167038	08834167080	08834167122
	200/case	50	08834167039	08834167081	08834167123
	60	08834167040	08834167082	08834167124	
	80	08834167041	08834167083	08834167125	
	120	08834167043	08834167085	08834167127	



**Tip** Ideal product for grinding and deburring stainless steel.

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## ZIRC Plus R203 PowerLock Cloth Discs

Used for rapid stock removal on stainless steel, titanium and other exotic metals. Achieve a superb performance from the zirconia grain and grinding aid combination.

### POWERLOCK CLOTH DISCS – ZIRC PLUS R203

DIAMETER	GRIT	TYPE II	TYPE III
1"	36	08834160237	08834160243
	100/box	40	08834160238
	1,000/case	50	08834160239
		60	08834160240
		80	08834160241
		120	08834160242
1-1/2"	36	08834160256	08834160262
	100/box	40	08834160257
	1,000/case	50	08834160258
		60	08834160259
		80	08834160260
		120	08834160261
2"	36	08834160274	08834160280
	100/box	40	08834160275
	1,000/case	50	08834168444
		60	08834167384
		80	08834168387
		120	08834169577
3"	36	08834160292	08834160298
	50/box	40	08834160293
	500/case	50	08834160294
		60	08834160295
		80	08834160296
		120	08834160297
4"	36	08834160311	08834160317
	50/box	40	08834160312
	200/case	50	08834160313
		60	08834160314
		80	08834160315
		120	08834160316



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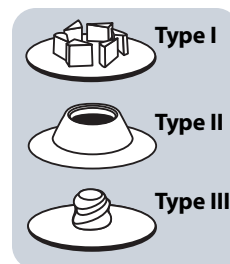
## ZIRC PowerLock Cloth Discs

Zirconia Alumina is tougher and provides higher performance over Aluminum Oxide in demanding grinding and deburring applications.

### POWERLOCK CLOTH DISCS – ZIRC

DIAMETER	GRIT	TYPE I	TYPE II	TYPE III
1"	40	08834166129	08834165327	08834164591
100/box	50	08834166130	08834164590	08834164596
1,000/case	60	08834166131	08834165329	08834164597
	80	08834166132	08834165330	08834164304
1-1/2"	36	08834161366	08834165341	08834166263
100/box	40	08834166162	08834165342	08834164598
1,000/case	50	08834161480	08834165343	08834166971
	60	08834161118	08834165344	08834164599
	80	08834166190	08834165345	08834161688
2"	36	08834166134	08834165356	08834164208
100/box	40	08834166135	08834165357	08834164600
1,000/case	50	08834166136	08834165358	08834161534
	60	08834166137	08834165359	08834161116
	80	08834166138	08834165360	08834166198
3"	36	08834166140	08834165371	08834166264
50/box	40	08834166141	08834165372	08834164862
500/case	50	08834166142	08834165373	08834161535
	60	08834166143	08834165374	08834166259
	80	08834166144	08834165375	08834166269

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## ALO Resin Bond PowerLock Cloth Discs

Aluminum Oxide PowerLock Cloth Discs are best used for general purpose deburring and blending on ferrous and nonferrous metals where greater edge durability is required.

### POWERLOCK CLOTH DISCS – ALO RESIN BOND

DIAMETER	GRIT	TYPE I	TYPE II	TYPE III	
3/4"	24	08834161001	08834165100	08834164312	
	100/box	36	08834161002	08834165101	08834164319
		40	08834161003	08834165102	08834164321
	1,000/case	50	08834161004	08834165103	08834164322
		60	08834161005	08834165104	08834164813
		80	08834161006	08834165105	08834164323
		100	08834161007	08834165106	08834164814
		120	08834161008	08834165107	08834164324
		150	08834161009	08834165108	08834164815
		180	08834161010	08834165109	08834164325
		240	08834161011	08834165111	08834164326
	320	08834161012	08834165113	08834164327	
1"	24	08834161014	08834165115	08834164328	
	100/box	36	08834161015	08834165116	08834166031
		40	08834161016	08834165117	08834161251
	1,000/case	50	08834161017	08834165118	08834164924
		60	08834161018	08834165119	08834161105
		80	08834161019	08834165120	08834166185
		100	08834161020	08834165121	08834161364
		120	08834161021	08834165122	08834161106
		150	08834161022	08834165123	08834164330
		180	08834161023	08834165124	08834166252
		240	08834161025	08834165126	08834166874
		320	08834161026	08834165128	08834164097
1-1/2"		24	08834161027	08834165130	08834164969
	100/box	36	08834161028	08834165131	08834164048
		40	08834161029	08834165132	08834164804
	1,000/case	50	08834161030	08834165133	08834164092
		60	08834161031	08834165134	08834164902
		80	08834161032	08834165135	08834161400
		100	08834161033	08834165136	08834161288
		120	08834161034	08834165137	08834164905
		150	08834161035	08834165138	08834164810
		180	08834161036	08834165139	08834166251
		240	08834161037	08834165141	08834161602
		320	08834161038	08834165143	08834164331

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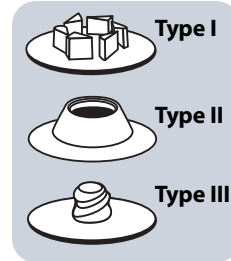


**Tip** Our most versatile PowerLock Discs. Traditional Lantuk Aluminum Oxide discs are a good starting specification for general purpose grinding.



**POWERLOCK CLOTH DISCS – ALO RESIN BOND (CONTINUED)**

DIAMETER	GRIT	TYPE I	TYPE II	TYPE III	
2"	24	08834161041	08834165145	08834164912	
	100/box	36	08834161042	08834165146	08834164913
	1,000/case	40	08834161043	08834165147	08834166353
		50	08834161044	08834165148	08834164914
		60	08834161045	08834165149	08834161155
		80	08834161046	08834165150	08834164941
		100	08834161047	08834165151	08834164917
		120	08834161048	08834165152	08834161169
		150	08834161049	08834165153	08834164786
		180	08834161050	08834165154	08834164916
		240	08834161051	08834165156	08834164919
		320	08834161052	08834165158	08834166875
3"	24	08834161055	08834165160	08834161214	
	50/box	36	08834161056	08834165161	08834164938
	500/case	40	08834161057	08834165162	08834164939
		50	08834161058	08834165163	08834164940
		60	08834161059	08834165164	08834166183
		80	08834161060	08834165165	08834166191
		100	08834161061	08834165166	08834166189
		120	08834161062	08834165167	08834166184
		150	08834161063	08834165168	08834164340
		180	08834161064	08834165169	08834166187
		240	08834161065	08834165171	08834166225
		320	08834161066	08834165173	08834163205
4"	36	08834161070	08834165176	08834166265	
	50/box	40	08834161071	08834165177	08834164860
	200/case	50	08834161072	08834165178	08834164788
		60	08834161073	08834165179	08834164601
		80	08834161074	08834165180	08834166472
		100	08834161075	08834165181	08834164342
		120	08834161076	08834165182	08834166473
		180	08834161078	08834165184	08834164843



**Test Kit "D"**

Includes 150 discs, assorted grits in 1", 2" and 3" diameters and 3" holders. Several Zirconia Alumina and FlexEdge Discs are included.

**Part # 08834165001**

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## ALO Plus PowerLock Cloth Discs

ALO Plus PowerLock discs feature a grinding aid. They run cooler and more efficiently for grinding exotic alloys.

### POWERLOCK CLOTH DISCS – ALO PLUS

DIAMETER	GRIT	TYPE I	TYPE II	TYPE III	
3/4"	36	08834164345	08834167462	08834164467	
	100/box	08834164346	08834167463	08834164468	
	1,000/case	50	08834164347	08834167464	08834164469
	60	08834164349	08834167465	08834164470	
	80	08834164350	08834167466	08834164471	
	120	08834164361	08834167468	08834164473	
1"	36	08834164363	08834167477	08834164475	
	100/box	08834164364	08834167478	08834164476	
	1,000/case	50	08834164365	08834167479	08834164477
	60	08834164366	08834167480	08834164478	
	80	08834164368	08834167481	08834164479	
	120	08834164370	08834167483	08834164481	
1-1/2"	36	08834164392	08834166881	08834164483	
	100/box	08834164393	08834166882	08834164484	
	1,000/case	50	08834164394	08834166883	08834164485
	60	08834164395	08834166884	08834164486	
	80	08834164396	08834166885	08834164487	
	120	08834164398	08834166887	08834164489	
2"	36	08834164400	08834166896	08834164491	
	100/box	08834164401	08834166897	08834164492	
	1,000/case	50	08834164402	08834166898	08834164493
	60	08834164403	08834166899	08834164494	
	80	08834164404	08834166900	08834164495	
	120	08834164428	08834166902	08834164496	
3"	36	08834164430	08834166911	08834164498	
	50/box	08834164431	08834166912	08834164499	
	500/case	50	08834164432	08834166913	08834164500
	60	08834164433	08834166914	08834164501	
	80	08834164434	08834166915	08834164502	
	120	08834164436	08834166917	08834164509	
4"	36	08834164459	08834163959	08834164511	
	50/box	08834164460	08834163960	08834164525	
	200/case	50	08834164461	08834163961	08834164526
	60	08834164462	08834163962	08834164527	
	80	08834164463	08834163963	08834164536	
	120	08834164465	08834163965	08834164542	

BACK-UP PADS SHOWN ON PAGE 15

**Tip** ALO Plus PowerLock Discs grind cooler than standard ALO on hard-to-grind materials.



## Silicon Carbide Cloth Discs

Sharp, silicon carbide abrasive provides high initial cut and penetration for non-ferrous materials.

### POWERLOCK CLOTH DISCS – SILICON CARBIDE

DIAMETER	GRIT	TYPE I	TYPE II	TYPE III
2"	40	08834162166	08834165252	08834164275
100/box	60	08834162168	08834165254	08834164163
1,000/case	80	08834162169	08834165255	08834166155
	120	08834162171	08834165257	08834164837
	180	08834162173	08834165259	08834167313
3"	40	08834162185	08834165267	08834164277
50/box	60	08834162187	08834165269	08834164850
500/case	80	08834162188	08834165270	08834166159
	120	08834162190	08834165272	08834166160
	180	08834164971	08834165274	08834168177



## Zenith Ceramic Discs

The Ceramic Aluminum resin fiber discs resist heat build-up, cut aggressively and are perfect for those applications that require a firm aggressive disc. Rapid stock removal can be achieved with this product.

### ZENITH – CERAMIC FIBER

DIAMETER	GRIT	TYPE II	TYPE III
2"	36	08834165611	08834166041
100/box	50	08834165613	08834166043
1,000/case	60	08834166226	08834166044
	80	08834166227	08834166045
	120	08834165616	08834166046
3"	36	08834166035	08834166219
50/box	50	08834166037	08834166220
500/case	60	08834166038	08834166221
	80	08834166039	08834166222
	120	08834166040	08834166223



## Zenith Zirconia Discs

The Zirconia resin fiber disc cuts deeper, fracturing like glass and continually exposing new edges while resisting tearing and allowing the product to perform to its optimum.

### ZENITH – ZIRCONIA FIBER

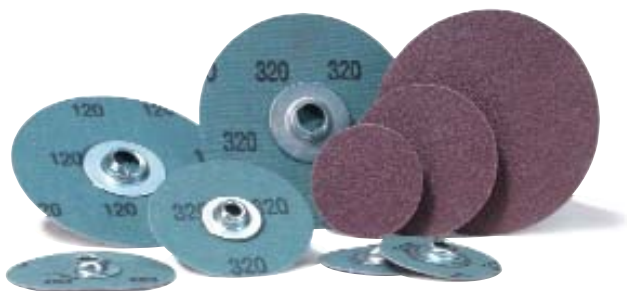
DIAMETER	GRIT	TYPE II	TYPE III
2"	36	08834167800	08834167810
100/box	50	08834167802	08834167812
1,000/case	60	08834167803	08834167813
	80	08834167804	08834167815
	3"	36	08834167805
50/box	50	08834167807	08834167818
500/case	60	08834167806	08834167819
	80	08834167809	08834167820

BACK-UP PADS SHOWN ON PAGE 15

# Quick-Change Flexible Discs

**PowerLock fx** — the flexible, all purpose alternative to Merit's traditional quick change disc is ideal for contoured or flat surfaces. For weld removal, the most common grits used are 36-50 while 60-120 grits are used for removal of imperfections and blending. These discs have added flexibility and are used on a wide range of applications.

**PowerLock fx**



## ALO Plus PowerLock fx Cloth Discs

Aluminum Oxide, closed-coat discs with a grinding aid that run cooler than conventional discs.

### POWERLOCK fx – ALO PLUS CLOTH DISCS

DIAMETER	GRIT	TYPE II
1"	36	08834161164
100/box	60	08834161166
1,000/case	80	08834161167
	120	08834161170
1-1/2"	36	08834161172
100/box	60	08834161180
1,000/case	80	08834161190
	120	08834161191
2"	36	08834161198
100/box	60	08834161206
1,000/case	80	08834161208
	120	08834161232
3"	36	08834161240
50/box	60	08834161241
500/case	80	08834161243
	120	08834161245

## Aluminum Oxide PowerLock fx Cloth Discs

Aluminum Oxide discs are best used for general purpose deburring and blending on contoured surfaces.

### POWERLOCK fx – ALO CLOTH DISCS

DIAMETER	GRIT	TYPE II
1"	24	08834168881
100/box	36	08834168479
1,000/case	40	08834168480
	50	08834168481
	60	08834168431
	80	08834168432
	100	08834168482
	120	08834168434
	150	08834168483
	180	08834168484
	240	08834168485
	320	08834168486
1-1/2"	24	08834168882
100/box	36	08834168487
1,000/case	40	08834168488
	50	08834168489
	60	08834168435
	80	08834168436
	100	08834168490
	120	08834168437
	150	08834168491
	180	08834168492
	240	08834168493
	320	08834168494
2"	24	08834168883
100/box	36	08834168495
1,000/case	40	08834168496
	50	08834168497
	60	08834168438
	80	08834168439
	100	08834168498
	120	08834168440
	150	08834168499
	180	08834168500
	240	08834168501
	320	08834168502
3"	24	08834168884
50/box	36	08834168503
500/case	40	08834168504
	50	08834168505
	60	08834168441
	80	08834168442
	100	08834168506
	120	08834168443
	150	08834168507
	180	08834168508
	240	08834168509
	320	08834168510



## Ceramic PowerLock fx Discs

A Ceramic blend that cuts faster, reduces heat build-up and outlasts aluminum oxide and zirconia in many applications.

POWERLOCK fx – CERAMIC		
DIAMETER	GRIT	TYPE II
1"	36	08834161474
100/box	60	08834161477
1,000/case	80	08834161479
	120	08834161481
1-1/2"	36	08834161482
100/box	60	08834161483
1,000/case	80	08834161487
	120	08834161488
2"	36	08834161492
100/box	60	08834161495
1,000/case	80	08834161496
	120	08834161497
3"	36	08834161498
50/box	60	08834161508
500/case	80	08834161515
	120	08834161516



## ZIRC Plus R801 PowerLock fx Discs

Works extremely well for extensive stock removal and surface blending on stainless steel. Lubricated super size coat runs cooler. For best results apply extra pressure.

POWERLOCK fx – ZIRC PLUS R801		
DIAMETER	GRIT	TYPE II
1"	36	08834161341
100/box	60	08834161343
1,000/case	80	08834161344
	120	08834161375
1-1/2"	36	08834161377
100/box	60	08834161383
1,000/case	80	08834161387
	120	08834161392
2"	36	08834161393
100/box	60	08834161398
1,000/case	80	08834161406
	120	08834161426
3"	36	08834161430
50/box	60	08834161439
500/case	80	08834161441
	120	08834161442



## ZIRC Plus R203 PowerLock fx Discs

Widely used for rapid stock removal on stainless steel, titanium and other exotic metals. Achieve a superb performance finish from the Zirconia Plus grain and grinding aid combination.

POWERLOCK fx – ZIRC PLUS R203		
DIAMETER	GRIT	TYPE II
1"	36	08834161443
100/box	60	08834161444
1,000/case	80	08834161448
	120	08834161449
1-1/2"	36	08834161450
100/box	60	08834161454
1,000/case	80	08834161456
	120	08834161460
2"	36	08834161462
100/box	60	08834161463
1,000/case	80	08834161464
	120	08834161465
3"	36	08834161467
50/box	60	08834161468
500/case	80	08834161469
	120	08834161472



## Zirconia PowerLock fx Discs

Longer life, perfect for tough grinding applications.

POWERLOCK fx – ZIRCONIA		
DIAMETER	GRIT	TYPE II
1"	36	08834161264
100/box	60	08834161265
1,000/case	80	08834161267
1-1/2"	36	08834161283
100/box	60	08834161286
1,000/case	80	08834161287
2"	36	08834161291
100/box	60	08834161295
1,000/case	80	08834161296
3"	36	08834161317
50/box	60	08834161319
500/case	80	08834161321

BACK-UP PADS SHOWN ON PAGE 15







## ALO FlexEdge Cloth Discs

Manufactured with a flexible Aluminum Oxide abrasive cloth in which the outer 3/8" is more flexible than the rest of the disc. Designed for softer metals where standard discs can gouge and for contour grinding of structural pieces. Used in aircraft and aerospace manufacturing for structural hand polishing. When ordering discs and holders, order holders one size smaller than the disc.

- For 3" Type I use 08834163995
- For 3" Type II use 08834168539

**Tip** Avoid gouging on contours by using a smaller size holder than the diameter of the discs, such as 1-1/2" holder for 2" discs. For 3" discs and larger, order the special FE holder that is 2" in diameter but contains the cam lock fastener for 3" and larger discs. Max RPM for 3" FE holders 30,000 RPM.

### FLEXEDGE CLOTH DISCS – ALO

DIAMETER	GRIT	TYPE I	TYPE II
1"	50	08834164309	08834163706
	100/box	60	08834164296
	1,000/case	80	08834161194
	100	08834164215	08834160395
	120	08834164216	08834160396
1-1/2"	50	08834166375	08834160397
	100/box	60	08834164315
	1,000/case	80	08834164316
	100	08834164317	08834163713
	120	08834164318	08834167333
2"	50	08834164319	08834160399
	100/box	60	08834164320
	1,000/case	80	08834164321
	100	08834164333	08834160371
	120	08834164334	08834160403
3"	50	08834164335	08834160404
	100/box	60	08834164336
	1,000/case	80	08834164337
	100	08834164338	08834166959
	120	08834164339	08834167363
3"	50	08834164352	08834160405
	50/box	60	08834163721
	500/case	80	08834164353
	100	08834164354	08834160403
	120	08834164355	08834161282
3"	50	08834164356	0883416282
	50/box	60	08834164357
	500/case	80	08834164358
	100	08834164359	08834166974
	120	08834164360	08834163729
Holders for 3" F.E. Discs		08834164358	08834160407
		08834163995	08834160407



TYPE I



TYPE II

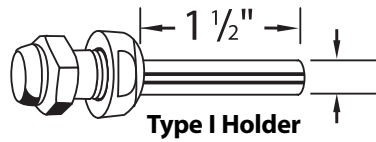


TYPE III

### QUICK-CHANGE HOLDERS

DIAMETER		TYPE I	TYPE II	TYPE III
9/16"		66261054013	66261054014	
40,000 RPM				
3/4"	Medium	08834164001	08834164206	08834164038
40,000 RPM				
1"	Medium	08834164002	08834164651	08834164037
40,000 RPM				
1-1/2"	Medium	08834164003	08834164146	08834161174
30,000 RPM	Hard	08834163996	08834164622	08834164640
2"	Soft	08834163949	08834161625	08834164641
	Medium	08834164004	08834164198	08834164922
30,000 RPM	Hard	08834163997	08834164624	08834164643
3"	Soft	08834163948	08834164626	08834164644
	Medium	08834164005	08834164113	08834164949
	Hard	08834163998	08834161626	08834164036
4"	Medium	08834164006	08834164135	08834164655
	15,000 RPM			

1/4" SHANK INCLUDED ON ALL QUICK-CHANGE HOLDERS.



Type I Holder

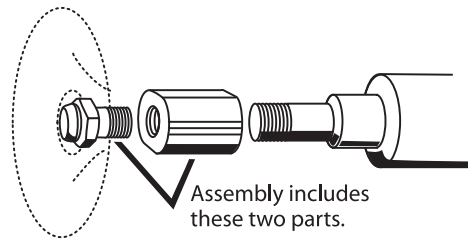


**REPLACEMENT MANDRELS AND NUT ASSEMBLY**

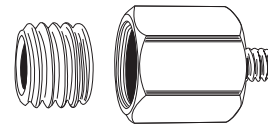
DESCRIPTION		PART #
TYPE I	ASSY RMN1 FOR 3/4 - 2	08834164015
TYPE I	ASSY RMN3 FOR 3 - 4	08834164016
TYPE II & III	RM-1/4" SK	08834164303

**EXTENSION MANDRELS AND ASSEMBLY TYPE I**

DIAMETER	MODEL NO.	LENGTH	PART #
3/4" - 2"	EMN-14	4"	08834164017
3/4" - 2"	EMN-16	6"	08834164018
3/4" - 2"	EMN-18	8"	08834164019
3" - 4"	EMN-34	4"	08834164020
3" - 4"	EMN-36	6"	08834164026
3" - 4"	EMN-38	8"	08834164021



Use for Type I Holder



Adapt your 3/8-24 or 5/8-11 right angle grinder to a Type II or Type III back-up pad

**MNA-1 PAD ADAPTERS TYPE I**

DIAMETER	MODEL NO.	PART #
3/4" - 2"	MNA 1/4-20 THD.	08834161176
3/4" - 2"	MNA 3/8-24	08834164055
3/4" - 2"	MNA 5/8-11	08834163001
3" - 4"	MNA 1/4-20	08834163002
3" - 4"	MNA 3/8-24	08834164041
3" - 4"	MNA 1/2-13	08834164056
3" - 4"	MNA 5/8-11	08834164028

**MNA-23 PAD ADAPTERS TYPE II & III**

DIAMETER	MODEL NO.	PART #
3/4" - 4"	MNA-23 3/8-24 THD. & 5/8-11	08834162764



Use with Type I, Type II, Type III

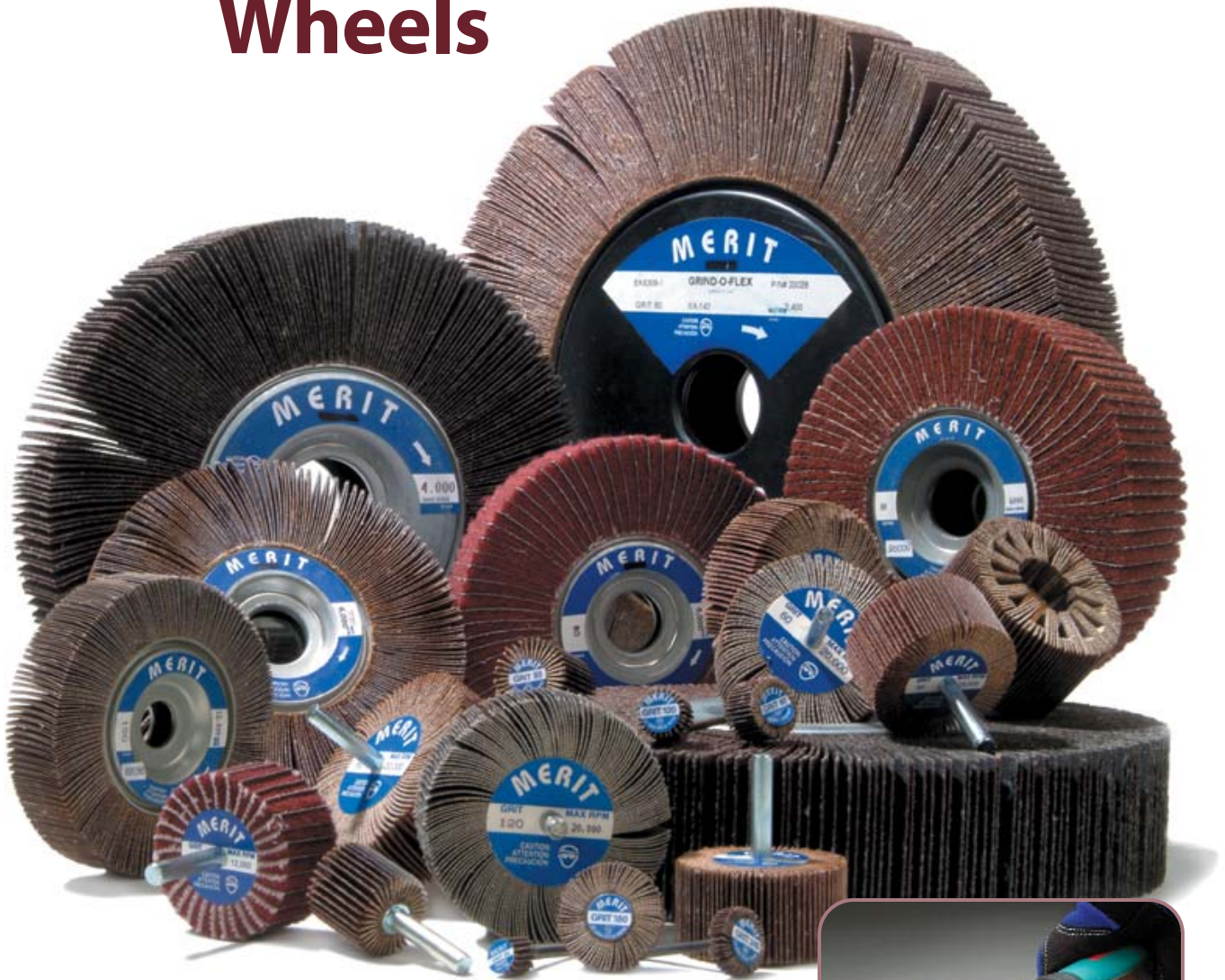
**1/4" DIA. EXTENSION MANDREL 1/4-20 THD.**

MODEL NO.	LENGTH	PART #
EM-144	4"	08834154185
EM-146	6"	08834154186
EM-148	8"	08834154187

**REPLACEMENT MEDIUM DENSITY RUBBER BACK-UP PADS FOR QUICK-CHANGE HOLDERS**

DESCRIPTION	MODEL NO.	TYPE I	TYPE II	TYPE III
3/4"	RR75	08834164008		
1"	RR10	08834164009		
1-1/2"	RR15	08834164010	08834168797	08834168885
2"	RR20	08834164011	08834164973	08834163649
3"	RR30	08834164012	08834164974	08834164970
4"	RR40	08834164013		





**From large Grind-O-Flex wheels 16" in diameter to Micro-Mini wheels 3/8" diameter, Merit Abrasives has the flap wheel for your application.**

Merit Grind-O-Flex flap wheels use the highest quality abrasives available in the market:

- Grind-O-Flex and High Performance Mini Wheels use an innovative new coated abrasive, designed from the ground up for flap wheel applications. Featuring premium ceramic and aluminum oxide abrasive grains and a new heavy cotton backing, these wheels give superior life and an aggressive cut, lasting double the life of competitive products
- Super Finish Mini wheels and Micro-Mini wheels feature flexible and durable abrasives for superior conformability and life

Flap wheels are an ideal choice for a wide variety of blending, deburring and finishing applications common in the polishing, metal fabrication and welding industries. Flap wheels are conformable and can be shaped for intricate shapes and contours.

Its no wonder Merit Grind-O-Flex flap wheels have been a valued workhorse in thousands of industries for over 45 years.



# High Performance Mini Grind-O-Flex Wheels



GRIND-O-FLEX

## Mini Grind-O-Flex Quick-Change

The Mini Grind-O-Flex is designed for polishing and grinding intricate surfaces. Built-in flange construction insures perfect balance at speeds of up to 30,000 RPM.

The "mini-wheel" reduces labor costs on many applications which are currently finished with brushes, rubber points, felt bobs, or cartridge rolls. The "quick-change" feature allows you to quickly spin the wheel on and off with no special tools.



High Performance Mini Wheels feature a completely new, more durable coated abrasive, designed from the ground up for demanding flap wheel applications.

### High Performance Quick-Change Mini Grind-O-Flex Wheels

More aggressive and durable, our high performance Quick-Change Mini Grind-O-Flex Wheels are used for heavy stock removal.

## HIGH PERFORMANCE MINI GRIND-O-FLEX QUICK-CHANGE

MODEL	DIA. X W. X 1/4-20 THD.	GRIT	PART #
XX-0015	1" x 5/8"	60	08834131001
Max RPM 30,000		80	08834131002
10/box 100/case		120	08834131003
XX-0011	1" x 1"	40	08834131027
Max RPM 30,000		60	08834131008
10/box		80	08834131009
100/case		120	08834131010
		180	08834131011
		240	08834131012
		320	08834131013
XX-1306	1-3/8" x 5/8"	60	08834132001
Max RPM 30,000		80	08834132002
10/box 100/case		120	08834132003

## HIGH PERFORMANCE MINI GRIND-O-FLEX QUICK-CHANGE (CONTINUED)

MODEL	DIA. X W. X 1/4-20 THD.	GRIT	PART #
XX-1510	1-5/8" x 1"	40	08834132051
Max RPM 25,000		60	08834132015
10/box		80	08834132016
100/case		120	08834132017
		180	08834132018
		320	08834132020
XX-2007	2" x 3/4"	60	08834133008
Max RPM 25,000		80	08834133009
10/box		120	08834133010
100/case		180	08834133011
XX-2010	2" x 1"	40	08834133044
Max RPM 25,000		60	08834133015
10/box		80	08834133016
100/case		120	08834133017
		180	08834133018
		240	08834133019
		320	08834133020
XX-2015	2" x 1-1/2"	60	08834135201
Max RPM 25,000		80	08834135202
10/box		120	08834135203
100/case		180	08834135204
XX-2510	2-1/2" x 1"	40	08834134061
Max RPM 20,000		60	08834134022
10/box		80	08834134023
100/case		120	08834134024
		180	08834134025
XX-3007	3" x 3/4"	60	08834135008
Max RPM 20,000		80	08834135009
10/box 100/case		120	08834135010
XX-3010	3" x 1"	40	08834135230
Max RPM 20,000		60	08834135015
10/box		80	08834135016
100/case		120	08834135017
		180	08834135018
		240	08834135019

## HIGH PERFORMANCE MINI GRIND-O-FLEX PLAIN ARBOR HOLE

MODEL	DIA. X W. X A.H.	GRIT	PART #
XX-3020	3" x 2"	60	08834135050
Max RPM 12,000	x 3/8 A.H.	80	08834135051
10/box 100/case		120	08834135052

USE MANDREL # 08834137009



## Mini Grind-O-Flex Wheels Mandrel-Mounted

High performance Mandrel-Mounted Mini Grind-O-Flex Wheels are designed with the 1/4" mandrel as an integral part of the wheel. It is more aggressive and works great in heavy stock removal operations. A very durable, long lasting mini flap wheel. Featuring a completely new, more durable coated abrasive designed from the ground up for demanding flap wheel applications.

### HIGH PERFORMANCE MINI GRIND-O-FLEX MANDREL-MOUNTED

MODEL	DIA. X W. X SK.	GRIT	PART #
MM-0015 Max RPM 30,000 10/box 100/case	1" x 5/8" x 1/4"	40	08834137105
		60	08834137100
		80	08834137101
		120	08834137102
		180	08834131536
		240	08834137104
MM-0011 Max RPM 30,000 10/box 100/case	1" x 1" x 1/4"	320	08834137357
		40	08834131259
		50	08834137309
		60	08834137310
		80	08834137311
		120	08834137312
MM-1306 Max RPM 30,000 10/box 100/case	1-3/8" x 5/8" x 1/4"	180	08834137313
		240	08834137114
		320	08834137315
		60	08834137320
		80	08834137321
		120	08834137322
MM-1510 Max RPM 25,000 10/box 100/case	1-1/2" x 1" x 1/4"	180	08834137323
		240	08834137324
		40	08834135140
		60	08834137340
		80	08834137141
		120	08834137142
MM-1515 Max RPM 25,000 10/box 100/case	1-1/2" x 1-1/2" x 1/4"	180	08834137343
		240	08834132101
		320	08834137145
		40	08834130642
		60	08834130643
		80	08834130644
		120	08834130641
		180	08834130695

### HIGH PERFORMANCE MINI GRIND-O-FLEX MANDREL-MOUNTED (CONTINUED)

MODEL	DIA. X W. X SK.	GRIT	PART #
MM-2007 Max RPM 25,000 10/box 100/case	2" x 3/4" x 1/4"	40	08834137158
		60	08834137160
		80	08834137161
		120	08834137162
		180	08834137163
MM-2010 Max RPM 25,000 10/box 100/case	2" x 1" x 1/4"	40	08834137377
		50	08834137169
		60	08834137370
		80	08834137371
		120	08834137372
		180	08834137373
		240	08834137374
MM-2015 Max RPM 25,000 10/box 100/case	2" x 1-1/2" x 1/4"	320	08834137375
		40	08834137183
		60	08834137380
		80	08834137381
		120	08834137382
		240	08834137384
MM-2510 Max RPM 20,000 10/box 100/case	2-1/2" x 1" x 1/4"	320	08834137319
		40	08834137408
		60	08834137410
		80	08834137411
		120	08834137412
		180	08834137413
MM-2515 Max RPM 20,000 10/box 100/case	2-1/2" x 1-1/2" x 1/4"	240	08834137633
		320	08834137415
		60	08834137420
MM-3007 Max RPM 20,000 10/box 100/case	3" x 3/4" x 1/4"	80	08834137421
		120	08834137422
MM-3010 Max RPM 20,000 10/box 100/case	3" x 1" x 1/4"	60	08834137440
		80	08834137441
MM-3020 Max RPM 12,000 10/box 100/case	3" x 2" x 1/4"	40	08834137456
		60	08834137450
		80	08834137451
		120	08834137252
		180	08834137253
		240	08834135339
		320	08834135341
		40	08834137460
		60	08834137260
		80	08834137261
		120	08834137262
		180	08834137263



## Super Finish Mini Grind-O-Flex Wheels



### Mini Grind-O-Flex Wheels Quick-Change

Our Super Finish Quick-Change Mini Grind-O-Flex wheels are designed to conform to the area being finished, working to give a finer finish contouring to the work piece with tremendous flexibility.

#### SUPER FINISH MINI GRIND-O-FLEX QUICK-CHANGE

MODEL	DIA. X W. X 1/4-20THD.	GRIT	PART #
XX-0015	1" x 5/8"	60	08834130700
Max RPM 30,000		80	08834130701
10/box		120	08834130702
100/case		180	08834130703
XX-0011	1" x 1"	60	08834130706
Max RPM 30,000		80	08834130707
10/box		120	08834130708
100/case		180	08834130709
		240	08834130710
	320	08834130711	
XX-1306	1-3/8" x 5/8"	80	08834130834
Max RPM 30,000			
10/box 100/case			
XX-1505	1-5/8" x 1/2"	60	08834132008
Max RPM 25,000		80	08834132009
10/box		120	08834132010
100/case		180	08834132011
XX-1510	1-5/8" x 1"	60	08834130712
Max RPM 25,000		80	08834130713
10/box		120	08834130714
100/case		180	08834130715

#### SUPER FINISH MINI GRIND-O-FLEX QUICK-CHANGE (CONTINUED)

MODEL	DIA. X W. X 1/4-20THD.	GRIT	PART #
XX-2005	2" x 1/2"	60	08834133001
Max RPM 25,000		80	08834133002
10/box		120	08834133003
100/case		180	08834133004
		320	08834133006
XX-2007	2" x 3/4"	60	08834130718
Max RPM 25,000		80	08834130719
10/box 100/case		120	08834130720
XX-2010	2" x 1"	60	08834130724
Max RPM 25,000		80	08834130725
10/box		120	08834130726
100/case		180	08834130727
		240	08834130728
		320	08834130729
XX-2015	2" x 1-1/2"	60	08834130730
Max RPM 25,000		80	08834130731
10/box 100/case		120	08834130732
XX-2501	2-1/2" x 1/4"	60	08834134001
Max RPM 20,000		80	08834134002
10/box		120	08834134003
100/case		180	08834134004
XX-2503	2-1/2" x 3/8"	60	08834134008
Max RPM 20,000		80	08834134009
10/box 100/case		120	08834134010
XX-2505	2-1/2" x 1/2"	60	08834134015
Max RPM 20,000		80	08834134016
10/box		120	08834134017
100/case	180	08834134018	
XX-2510	2-1/2" x 1"	60	08834130736
Max RPM 20,000		80	08834130737
10/box 100/case		120	08834130738
XX-3005	3" x 1/2"	60	08834135001
Max RPM 20,000		80	08834135002
10/box		120	08834135003
100/case		180	08834135004
XX-3007	3" x 3/4"	60	08834130742
Max RPM 20,000		80	08834130743
10/box 100/case		120	08834130744
XX-3010	3" x 1"	60	08834130748
Max RPM 20,000		80	08834130749
10/box		120	08834130750
100/case		180	08834130751
		240	08834130752
	320	08834130753	

## Mini Grind-O-Flex Wheels Mandrel-Mounted

Our Super Finish Mandrel-Mounted Mini Grind-O-Flex are designed with the 1/4" mandrel mounted in the wheel. The flaps are more flexible than in High Performance Mini Flap Wheels and are designed with flexibility to allow the wheels to contour to the work piece.

### SUPER FINISH MINI GRIND-O-FLEX MANDREL-MOUNTED

MODEL	DIA. X W. X SK.	GRIT	PART #
MM-0015	1" x 5/8" x 1/4"	60	08834130754
Max RPM 30,000		80	08834130755
10/box		120	08834130756
100/case		180	08834130757
		240	08834130758
		320	08834130759
MM-0011	1" x 1" x 1/4"	60	08834130760
Max RPM 30,000		80	08834130761
10/box		120	08834130762
100/case		180	08834130763
		240	08834130764
		320	08834130765
MM-1325	1-3/16" x 1/4" x 1/4"	60	08834137600
Max RPM 25,000		80	08834137601
10/box 100/case		120	08834137602
MM-1312	1-3/16" x 1/2" x 1/4"	60	08834137810
Max RPM 25,000		80	08834137811
10/box 100/case		120	08834137812
MM-1505	1-1/2" x 1/2" x 1/4"	60	08834137130
Max RPM 25,000		80	08834137131
10/box		120	08834137132
100/case		180	08834137133
		240	08834137134
MM-1510	1-1/2" x 1" x 1/4"	60	08834130766
Max RPM 25,000		80	08834130767
10/box		120	08834130768
100/case		180	08834130769
		240	08834130770
		320	08834130771
MM-2005	2" x 1/2" x 1/4"	60	08834137350
Max RPM 25,000		80	08834137151
10/box		120	08834137152
100/case		180	08834137353
		240	08834137354
		320	08834137355

### SUPER FINISH MINI GRIND-O-FLEX MANDREL-MOUNTED (CONTINUED)

MODEL	DIA. X W. X SK.	GRIT	PART #
MM-2007	2" x 3/4" x 1/4"	60	08834130772
Max RPM 25,000		80	08834130773
10/box		120	08834130774
100/case		180	08834130775
MM-2010	2" x 1" x 1/4"	60	08834130778
Max RPM 25,000		80	08834130779
10/box		120	08834130780
100/case		180	08834130781
		240	08834130782
		320	08834130783
MM-2015	2" x 1-1/2" x 1/4"	60	08834130784
Max RPM 25,000		80	08834130785
10/box 100/case		120	08834130786
MM-2510	2-1/2" x 1" x 1/4"	60	08834130790
Max RPM 20,000		80	08834130791
10/box		120	08834130792
100/case		180	08834130793
		240	08834130794
		320	08834130795
MM-3005	3" x 1/2" x 1/4"	60	08834137230
Max RPM 20,000		80	08834137231
10/box		120	08834137232
100/case		180	08834137433
		240	08834137235
		320	08834137287
MM-3007	3" x 3/4" x 1/4"	60	08834130796
Max RPM 20,000		80	08834130797
10/box 100/case		120	08834130798
MM-3010	3" x 1" x 1/4"	60	08834130802
Max RPM 20,000		80	08834130803
10/box		120	08834130804
100/case		180	08834130805
		240	08834130806
		320	08834130807





## Flexible Mini Grind-O-Flex Wheels

### ALO Flexible Mini Wheels

Flexible Mini Grind-O-Flex flap wheels are engineered for light-duty applications where additional flexibility and conformability are required. These aluminum oxide wheels feature special compliant construction to produce smooth, even finishes on parts with complex geometries.

1-1/2" and smaller diameter wheels are constructed with flexible J-weight cotton flaps; 2" and larger wheels are made of flexible X-weight cotton flaps.

### MINI GRIND-O-FLEX FLEXIBLE

DIA. X W. X SHANK	GRIT	PART #
1" x 1" x 1/4"	60	66261192589
Max RPM 30,000	80	66261056934
10/box, 100/case	120	66261056937
2" x 1" x 1/4"	60	66261056944
Max RPM 25,000	80	66261057046
10/box, 100/case	120	66261056942
3" x 1" x 1/4"	60	66261056948
Max RPM 20,000	80	66261057050
10/box, 100/case	120	66261056950

ADDITIONAL NON-STOCK SIZES AND GRITS ARE AVAILABLE.

### Tip

Use Merit **High Performance** mini flap wheels for aggressive applications where durability and maximum material removal is required.

Merit **Super Finish** mini flap wheels are softer acting and provide additional flexibility while maintaining long life.

Merit **Flexible** mini flap wheels are for applications where maximum flexibility and conformability are critical.

### ADAPTERS FOR MINI GRIND-O-FLEX

MODEL	DESCRIPTION	PART #
ADAPT C	FITS XX-3020	08834137009
MA-100	FITS A.H. MINI WHEEL	08834137007
QC-4	1/4" SK. DIA. x 5/8" SK. L.	08834137001
QC-44	1/4" x 4"	08834137003
QC-46	1/4" x 6"	08834137004
QC-48	1/4" x 8"	08834137005
QC-8	1/8" x 5/8"	08834137002
QCT	3/8"-24 THD.	08834137010
QCT	1/4"-20 THD.	08834137012

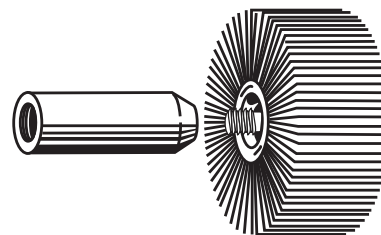
OTHER THREAD SIZES AVAILABLE.



QC-4



QC-46



QCT



## Test Kits – Mini Grind-O-Flex



### Mini Grind-O-Flex Test Kit "CQ"

Includes 10 wheels, 1" to 3" diameters, and 1/4" Quick-Change adapter. Each wheel comes with 1/4-20 THD.

**Part # 08834138001**

GRIND-O-FLEX



### Mandrel-Mounted Mini Grind-O-Flex Test Kit "CMM"

Includes 10 wheels, 1" to 3" diameters, in various grits. Each wheel comes with a 1/4" steel mandrel permanently mounted in an epoxy core.

**Part # 08834138004**

## Cup Type Mini Grind-O-Flex

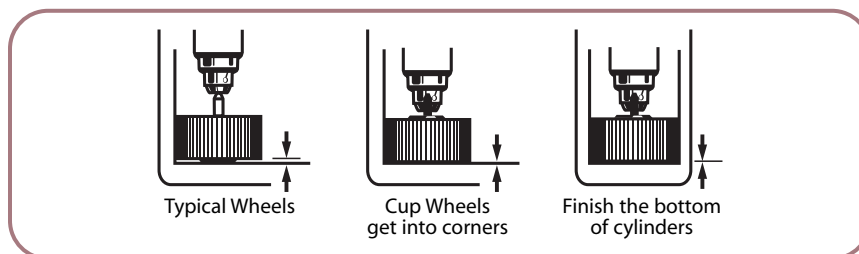


### Cup Type Mini Grind-O-Flex

Primarily used for bottom or side-wall type sanding where conventional tools do not reach. Merit's Cup Type Mini Grind-O-Flex will not mar your work-piece while reaching flush corners where other wheels cannot.

#### CUP TYPE MINI GRIND-O-FLEX

MODEL	DIA. X W. X SK.	GRIT	PART #
MFW-CUP 2515	2-1/2" x 1-1/2" x 1/4"	60	08834144463
Max RPM 20,000			
10/box 100/case			



# Micro-Mini Grind-O-Flex Wheels

## The Smallest Flap Wheel

Ranging from 3/8" to 1-3/16" diameter, mounted on a 1/8" diameter steel shank. Our Micro-Mini Grind-O-Flex wheels provide fast polishing and light deburring of internal workpieces with holes or grooves as small as 1/2".



### MICRO-MINI GRIND-O-FLEX

MODEL	DIA. X W. X SK.	GRIT	PART #
MM-3838	3/8" x 3/8" x 1/8"	60	08834137470
40,000 RPM		80	08834137471
10/box		120	08834137472
100/case		180	08834137473
		240	08834137474
		320	08834137475
MM-5858	5/8" x 5/8" x 1/8"	60	08834137480
37,000 RPM		80	08834137481
10/box		120	08834137482
100/case		180	08834137483
		240	08834137484
		320	08834137485
MM-5834	5/8" x 3/4" x 1/8"	80	08834137541
37,000 RPM		120	08834137542
10/box		180	08834137543
100/case		240	08834137544
			320
MM-3436	3/4" x 3/16" x 1/8"	60	08834137550
35,000 RPM		80	08834137551
10/box		120	08834137552
100/case		180	08834137553
		240	08834137554
		320	08834137555
MM-3438	3/4" x 3/8" x 1/8"	60	08834137560
35,000 RPM		80	08834137561
10/box		120	08834137562
100/case		180	08834137563
		240	08834137564
		320	08834137565

### MICRO-MINI GRIND-O-FLEX (CONTINUED)

MODEL	DIA. X W. X SK.	GRIT	PART #
MM-3412	3/4" x 1/2" x 1/8"	60	08834137570
35,000 RPM		80	08834137571
10/box		120	08834137572
100/case		180	08834137573
		240	08834137574
		320	08834137575
MM-3458	3/4" x 5/8" x 1/8"	60	08834137580
35,000 RPM		80	08834137581
10/box		120	08834137582
100/case		180	08834137583
		240	08834137584
		320	08834137585
MM-3434	3/4" x 3/4" x 1/8"	60	08834137590
35,000 RPM		80	08834137591
10/box		120	08834137592
100/case		180	08834137593
		240	08834137594
		320	08834137595
MM-13618	1-3/16" x 1/8" x 1/8"	80	08834137491
30,000 RPM		120	08834137492
10/box		180	08834137493
100/case		240	08834137494
		320	08834137495
MM-13636	1-3/16" x 3/16" x 1/8"	60	08834137508
30,000 RPM		80	08834137501
10/box		120	08834137502
100/case		180	08834137503
		240	08834137504
		320	08834137505
MM-13638	1-3/16" x 3/8" x 1/8"	80	08834137511
30,000 RPM		120	08834137512
10/BOX		180	08834137513
100/case		240	08834137514
		320	08834137515

### Micro-Mini Test Kit "MMC"

Includes five wheels, 3/8" to 1-3/16" diameter, mounted on a 1/8" diameter hardened steel shank in various grits. The "MMC" kit is ideal for fast polishing and light deburring of internal work holes or grooves as small as 1/2".

Part # 08834131493



# Grind-O-Flex Wheels



## Original Grind-O-Flex Wheels

For over half a century, the Merit Grind-O-Flex Flap Wheel has proven itself to be a versatile workhorse in thousands of industries around the world.

Wide Range of Applications:

- For polishing-grinding jobs in production work as well as clean-up and maintenance jobs.
- Works on metals, plastic, rubber and wood.

Easy to Operate:

- No adjustments, dressing or preparation required before or during operation.

Fewer Rejected Parts:

- More forgiving than other types of abrasives.
- Reduces the possibility of flattening, gouging and surface deformation.

### Twice The Life versus Competitive Flap Wheels!

**Merit Grind-O-Flex flap wheels feature a high performance coated abrasive designed for superior life with an aggressive cut. Heavy cotton backing and premium abrasive grain combine to provide industry leading performance on a wide range of polishing and finishing applications!**

GRIND-O-FLEX			
MODEL	DIA. X W. X A.H.	GRIT	PART #
XX-3510 12,000 RPM 10/box 50/case	3-1/2" x 1" x 5/8"	40	08834122001
		50	08834122002
		60	08834122003
		80	08834122004
		120	08834122006
		180	08834122007
XX-3515 12,000 RPM 10/box 80/case	3-1/2" x 1-1/2" x 5/8"	240	08834122008
		320	08834122009
		40	08834122011
		50	08834122012
		60	08834122013
		80	08834122014
XX-3520 12,000 RPM 10/box 80/case	3-1/2" x 2" x 5/8"	120	08834122016
		150	08834122017
		180	08834122018
		240	08834122019
		320	08834122020
		40	08834122022
XX-4010 12,000 RPM 10/box 50/case	4" x 1" x 5/8"	60	08834122024
		80	08834122025
		120	08834122027
		180	08834122028
		40	08834122032
		50	08834122033
XX-4015 12,000 RPM 10/box 40/case	4" x 1-1/2" x 5/8"	60	08834122034
		80	08834122035
		120	08834122037
		180	08834122038
		240	08834122039
		320	08834122040
XX-4020 12,000 RPM 10/box 40/case	4" x 2" x 5/8"	40	08834122042
		50	08834122043
		60	08834122044
		80	08834122045
		120	08834122047
		240	08834122050
XX-4020 12,000 RPM 10/box 40/case	4" x 2" x 5/8"	40	08834122053
		50	08834122054
		60	08834122055
		80	08834122056
		120	08834122058
		180	08834122059
		240	08834122060
		320	08834122061

SEE PAGE 32 FOR BUSHINGS AND ADAPTORS.

# Grind-O-Flex Wheels

(continued)

## GRIND-O-FLEX (CONTINUED)

MODEL	DIA. X W. X A.H.	GRIT	PART #
XX-5015 12,000 RPM 10/box 50/case	5" x 1-1/2" x 5/8"	40	08834122063
		50	08834122064
		60	08834122065
		80	08834122066
		120	08834122068
		180	08834122070
		240	08834122071
		320	08834122072
XX-0605 6,000 RPM 10/box 80/case	6" x 1/2" x 1"	40	08834123001
		60	08834123003
		80	08834123004
		120	08834123005
		150	08834122198
		180	08834123006
		240	08834123007
		320	08834122137
XX-061 6,000 RPM 5/box 40/case	6" x 1" x 1"	40	08834123009
		50	08834123010
		60	08834123011
		80	08834123012
		120	08834123014
		150	08834123015
		180	08834123016
		240	08834123017
		320	08834123018
XX-0615 6,000 RPM 5/box 20/case	6" x 1-1/2" x 1"	40	08834123020
		50	08834123021
		60	08834123022
		80	08834123023
		120	08834123025
		150	08834123026
		180	08834123027
		240	08834123028
		320	08834123029
XX-062 6,000 RPM 5/box 20/case	6" x 2" x 1"	40	08834123031
		50	08834123032
		60	08834123033
		80	08834123034
		120	08834123036
		180	08834123038
		240	08834123039
		320	08834123040

## GRIND-O-FLEX (CONTINUED)

MODEL	DIA. X W. X A.H.	GRIT	PART #
XX-063 6,000 RPM 3/box 12/case	6" x 3" x 1"	40	08834123053
		50	08834123054
		60	08834123055
		80	08834123056
		120	08834123058
		150	08834122544
		180	08834123060
		240	08834123061
		320	08834122329
XX-081 4,500 RPM 3/box 15/case	8" x 1" x 1"	40	08834123070
		50	08834123071
		60	08834123072
		80	08834123073
		120	08834123075
		180	08834123077
		240	08834123078
		320	08834123079
XX-082 4,500 RPM 3/box 12/case	8" x 2" x 1"	40	08834123092
		50	08834123093
		60	08834123094
		80	08834123095
		120	08834123097
		180	08834123099
		240	08834123100
		320	08834123101
XX-101 4,000 RPM 4/box 8/case	10" x 1" x 1-3/4"	40	08834122223
		60	08834124002
		80	08834124003
		120	08834124005
		150	08834124006
		180	08834124007
		240	08834122889
		320	08834124009



**GRIND-O-FLEX (CONTINUED)**

MODEL	DIA. X W. X A.H.	GRIT	PART #	
XX-1015	10" x 1-1/2" x 1-3/4"	60	08834124022	
4,000 RPM		80	08834124023	
4/box		120	08834124025	
8/case		180	08834124027	
XX-102		10" x 2" x 1-3/4"	60	08834124042
4,000 RPM	80		08834124043	
2/box	120		08834124045	
8/case	180		08834124047	
XX-103	10" x 3" x 1-3/4"		60	08834124077
4,000 RPM		80	08834122316	
2/box		120	08834122131	
8/case		180	08834122132	
XX-121		12" x 1" x 1-3/4"	60	08834124085
3,000 RPM	80		08834122349	
4/box	120		08834122311	
20/case	180		08834122315	
XX-122	12" x 2" x 1-3/4"		40	08834122248
3,000 RPM		50	08834122249	
2/box		60	08834122250	
10/case		80	08834122267	
		120	08834122269	
		150	08834122270	
		180	08834122271	
		240	08834122273	
		320	08834122275	
		XX-124	12" x 4" x 1-3/4"	50
	2,400 RPM	60		08834120014
1/box	80	08834120015		
2/case	120	08834120016		
	180	08834120017		
	240	08834120019		
XX-141	14" x 1" x 1-3/4"	60	08834120020	
2,400 RPM		80	08834120021	
1/box		120	08834120022	
2/case		180	08834120023	
		XX-1415	14" x 1-1/2" x 1-3/4"	60
2,400 RPM	80	08834120025		
1/box	120	08834120026		
2/case	180	08834120027		
	XX-142	14" x 2" x 1-3/4"		60
2,400 RPM	80		08834123215	
1/box	120		08834122907	
2/case	240		08834120032	

SEE PAGE 32 FOR BUSHINGS AND ADAPTORS.

**GRIND-O-FLEX (CONTINUED)**

MODEL	DIA. X W. X A.H.	GRIT	PART #
XX-143	14" x 3" x 1-3/4"	60	08834120033
2,400 RPM		80	08834120034
1/box		120	08834120035
2/case		240	08834120036
XX-144	14" x 4" x 1-3/4"	60	08834120037
2,000 RPM		80	08834122829
1/box		120	08834122502
2/case		180	08834120040
		240	08834120041
XX-161	16" x 1" x 1-3/4"	60	08834120042
2,400 RPM		80	08834120043
1/box		120	08834120044
2/case		180	08834120045
		240	08834120046
XX-162	16" x 2" x 1-3/4"	60	08834120047
2,400 RPM		80	08834120049
1/box		120	08834120050
2/case		180	08834120051
		240	08834120052
XX-163	16" x 3" x 1-3/4"	60	08834120053
2,400 RPM		80	08834120054
1/box		120	08834120055
2/case		180	08834120056
		240	08834120057
XX-164	16" x 4" x 1-3/4"	60	08834120058
2,000 RPM		80	08834120059
1/box		120	08834120060
2/case		180	08834120061
		240	08834122435
XX-165	16" x 5" x 1-3/4"	60	08834120063
2,000 RPM		80	08834120064
1/box		180	08834120065
2/case		240	08834120066
		XX-166	16" x 6" x 1-3/4"
2,000 RPM	80	08834120068	
1/box	120	08834120069	
2/case	180	08834120070	
	240	08834120071	
XX-168	16" x 8" x 1-3/4"	60	08834120072
1,800 RPM		80	08834120073
1/box		120	08834120074
2/case		180	08834120075
		240	08834120076
XX-1610	16" x 10" x 1-3/4"	60	08834120077
1,800 RPM		80	08834120078
1/box		120	08834120079
2/case		180	08834120080
		240	08834120081



## Economy Flap Wheels

Good performance at a great price, Economy Flap Wheels are a good option for general deburring and blending.

### ECONOMY FLAP WHEELS

MODEL	DIA. X W. X A.H.	GRIT	PART #
EC-061 6,000 rpm 5/box 40/case	6" x 1" x 1"	40	08834120167
		50	08834120168
		60	08834120169
		80	08834120170
		100	08834120171
		120	08834120172
		180	08834120174
		240	08834120176
EC-062 6,000 rpm 5/box 20/case	6" x 2" x 1"	320	08834120177
		40	08834120189
		50	08834120190
		60	08834120191
		80	08834120192
		100	08834120198
		120	08834120194
		180	08834120197
	240	08834120199	
	320	08834120493	

## Type K Sof-Tutch

Type K Sof-Tutch wheels are less aggressive and create finer finishes than our standard Grind-O-Flex wheels.

### TYPE K SOF-TUTCH

MODEL	DIA. X W. X A.H.	GRIT	PART #
K-061 6,000 rpm 5/box 20/case	6" x 1" x 1"	60	08834121002
		80	08834121003
		120	08834121005
		150	08834121006
		180	08834121007
		240	08834121008
K-0615 6,000 rpm 5/box 20/case	6" x 1-1/2" x 1"	320	08834121009
		60	08834121023
		80	08834121024
		120	08834121025
		150	08834121106
		180	08834121026
K-062 6,000 rpm 5/box 20/case	6" x 2" x 1"	240	08834121027
		320	08834121109
		60	08834121030
		80	08834121031
		120	08834121032
		180	08834121033
	240	08834121034	
	320	08834121035	

Grind-O-Flex mounted on bench grinder applies light scratch pattern to stainless steel.





## Interleaf Wheels

X-weight abrasive cloth flaps are Interleaved with Abrasotex for a softer and more flexible wheel. Used for deburring, producing decorative finishes, removing parting lines, breaking edges, sealer sanding and rust removing.

- Produces a finer finish than regular flap wheels.
- Eliminates chatter at slow speeds.

### INTERLEAF MANDREL-MOUNTED (ONE TO ONE RATIO)

MODEL	DIA. X W. X SK.	GRIT	PART #
MMI-2010 12,000 RPM 10/box 100/case	2" x 1" x 1/4"	60	08834138122
		80	08834138123
		120	08834144457
		180	08834144458
		320	08834144459
MMI-2015 12,000 RPM 10/box 100/case	2" x 1-1/2" x 1/4"	60	08834138124
		80	08834138125
		120	08834138126
		180	08834138127
		320	08834138128
MMI-3010 12,000 RPM 10/box 100/case	3" x 1" x 1/4"	60	08834138129
		80	08834138130
		120	08834138118
		180	08834138120
		320	08834138119
MMI-3020 12,000 RPM 10/box 50/case	3" x 2" x 1/4"	60	08834131338
		80	08834138116
		120	08834144460
		180	08834144461
MMI-4020 12,000 RPM 10/box 50/case	4" x 2" x 1/4"	80	08834121115
		120	08834120458

Interleaf wheel puts mild scratch pattern on small parts without causing chatter.



**Tip** Optimum performance is obtained by running Interleaf wheels slower than the maximum RPM.

# Interleaf Wheels

(continued)



GRIND-O-FLEX

## INTERLEAF WHEELS (ONE TO ONE RATIO)

MODEL	DIA. X W. X A.H.	GRIT	PART #
AX-3020 12,000 RPM 10/box 50/case	3" x 2" x 3/8"	50	08834139022
		60	08834139000
		80	08834139002
		120	08834139001
		180	08834139023
		240	08834139028
AX-4020 12,000 RPM 10/box 50/case	4" x 2" x 5/8"	320	08834139024
		50	08834126024
		60	08834126025
		80	08834126026
		120	08834126016
		180	08834126015
AX-061 6,000 RPM 10/box 20/case	6" x 1" x 1"	240	08834126014
		320	08834126027
		50	08834126028
		60	08834126029
		80	08834126000
		120	08834126006
AX-062 6,000 RPM 10/box 20/case	6" x 2" x 1"	150	08834126046
		180	08834126068
		240	08834126030
		320	08834126031
		50	08834126028
		60	08834126029

## INTERLEAF WHEELS (ONE TO ONE RATIO) (CONTINUED)

MODEL	DIA. X W. X A.H.	GRIT	PART #
AX-062 6,000 RPM 10/box 20/case	6" x 2" x 1"	50	08834126032
		60	08834126008
		80	08834126009
		120	08834126010
		150	08834126069
		180	08834126018
AX-063 6,000 RPM 6/box 12/case	6" x 3" x 1"	240	08834126017
		320	08834126033
		50	08834126053
		60	08834126054
		80	08834126055
		120	08834126056
AX-082 4,500 RPM 6/box 12/case	8" x 2" x 1"	180	08834126048
		240	08834126047
		320	08834126057
		60	08834126041
		80	08834126042
		120	08834126043
AX-083 4,500 RPM 3/box 9/case	8" x 3" x 1"	180	08834126044
		50	08834126060
		60	08834126066
		80	08834126061
		120	08834122398
		180	08834126062
AX-082 4,500 RPM 6/box 12/case	8" x 2" x 1"	320	08834126064
		180	08834126062





## Abrasotex Flap Wheels

Non-woven flaps are flexible and conformable. They are ideal for cleaning and finishing operations without gouging, especially on intricate parts.

- Blending welds on stainless steel to a #4 finish
- Removal of rust and oxidation
- General clean-up
- Applying decorative finishes



### ABRASOTEX FLAP WHEELS ALUMINUM OXIDE

RPM/PKG	SIZE/DENSITY	GRIT	PART #
12,000 RPM 20/case	2" x 1" x 1/4" Shank	Medium	66261189992
		Very Fine	69957399202
12,000 RPM 10/case	3" x 1" x 1/4" Shank	Medium	08834131921
		Very Fine	66261189993
12,000 RPM 10/case	3" x 1-3/4" x 1/4" Shank	Medium	66261026075
		Very Fine	66261189994
3,000 RPM 4/case	6" x 1" x 2" Medium	Medium	05539512667
		Fine	05539562635
2,500 RPM 3/case	8" x 1" x 3" Medium	Fine	05539527460
2,500 RPM 2/case	8" x 2" x 3" Medium	Medium	05539512677
		Fine	05539526627
1,900 RPM 1/case	12" x 2" x 5" Medium	Medium	05539562637
		High Strength	
		Medium	05539528945
1,900 RPM 1/case	12" x 2" x 5" Hard	Medium	



### ABRASOTEX FLAP WHEELS SILICON CARBIDE

RPM/PKG	SIZE/DENSITY	GRIT	PART #
3,000 RPM 4/case	6" x 1" x 2" Medium	Fine	05539512660
		Very Fine	05539512658

CENTER HOLE REDUCING BUSHINGS FOR THESE PRODUCTS ARE AVAILABLE ON PAGE 32.

# Flap Wheel Adapter and Bushings

## ADAPTERS AND BUSHINGS FOR GRIND-O-FLEX

WHEEL DIA.	DESCRIPTION	PART #
SHANK ADAPTERS		
3-1/2"	1/4" SK	08834125001
3-1/2"	3/8" SK	08834125007
4-8"	1/4" SK	08834125003
THREADED MOUNTING ADAPTERS		
4 - 8"	3/8"-24 THD	08834125009
4 - 8"	5/8"-11 THD	08834125027
REDUCER BUSHINGS		
6-8"	1" to 3/8"	08834125016
	1" to 1/2"	08834125017
	1" to 5/8"	08834125018
	1" to 3/4"	08834125019
	1" to 7/8"	08834125020
10"-16"	1-3/4" to 1/2"	08834125029
	1-3/4" to 5/8"	08834122069
	1-3/4" to 3/4"	08834125034
	1-3/4" to 7/8"	08834125033
	1-3/4" to 1"	08834125031
	1-3/4" to 1-1/4"	08834125032
	1-3/4" to 1-1/2"	08834125030



## ALUMINUM REDUCING BUSHINGS FOR CONVOLUTE AND FLAP WHEELS

WHEEL DIA.	REDUCES CENTER HOLE TO	PART #
6"	2" to 1/2"	66261080527
	2" to 5/8"	66261080528
	2" to 1"	66261080529
	2" to 1-1/4"	66261080530
8"	3" to 1"	66261080531
	3" to 1-1/4"	66261080532
	3" to 1-1/2"	66261080383
	3" to 1-3/4"	66261080384
	3" to 2"	66261080514
10" & 12"	5" to 1"	66261080533
	5" to 1-1/4"	66261080534
	5" to 3"	66261080535
14"	8" to 1-1/4"	66261080536
	8" to 3"	66261080512
16"	10" to 1-1/4"	6626168520

# Reference Charts

MATERIAL-SURFACE FEET PER MINUTE	
MATERIAL	SFPM
Mild Steel	5,000
Stainless Steel	6,500
Alloy Steel	5,000
Titanium	3,500
Hard Aluminum	5,500
Non Ferrous	5,000
Fiberglass	5,500
Rubber	4,500
Hardwood	4,000
Softwood	3,500
Thermoplastic	3,000

RECOMMENDED GRITS	
MATERIAL/APPLICATION	GRIT
<b>STEEL</b>	
Blend out heavy machine marks or burrs	50 or 60
Blend out light machine marks or burrs	120 or 180
Apply heavy scratch pattern	50
Apply light scratch pattern	80 or 120
Remove scale, rust and pit marks	40 or 50
Prepare surface for painting	60 or 80
Turbojet blade polishing	150 or 240
Blending of stainless-No 4	80 or 120
<b>ALUMINUM &amp; OTHER NON-FERROUS</b>	
Blend out heavy machine marks or burrs	60 or 80
Blend out light machine marks or burrs	120 or 180
Apply heavy scratch pattern	60
Apply light scratch pattern	120
Blend surface imperfections	60 or 100
Flash and parting line removal	50 or 60
<b>RUBBER FLASH REMOVAL</b>	
Heavy	50
Light	60
<b>PLASTICS, ACRYLICS</b>	
Remove flash and machine marks	120 J Type K
Fine blending and polishing	240 & 320 J
Fiberglass-blend surface imperfections	50 or 60
<b>WOOD</b>	
Edge breaking	100 or 120 J
Mold sanding	120 J

EFFICIENT/MAXIMUM SPEEDS		
SIZE DIA.	MOST EFFICIENT RPM	MAX RPM*
<b>Micro-Mini Grind-O-Flex</b>		
3/8"	28,000	40,000
5/8"	26,000	37,000
3/4"	25,000	35,000
1-3/16"	21,000	30,000
<b>Mini Grind-O-Flex</b>		
1"	21,000	30,000
1-3/8"	21,000	30,000
1-5/8"	17,000	25,000
2"	17,000	25,000
2-1/2"	14,000	20,000
3"	14,000	20,000
<b>Grind-O-Flex</b>		
3-1/2"	9,000	12,000
4"	8,000	12,000
5"	7,000	12,000
6"	4,500	6,000
8"	3,000	4,500
10"	2,800	4,000
12"	2,300	2,400
14"	1,900	2,000
16"	1,650	1,800
<b>Interleaf Grind-O-Flex</b>		
2" - 4"	9,000	12,000
6"	4,500	6,000
8"	3,400	4,500

\*NOTE: MAX RPM VARIES WITH WHEEL WIDTH, ALWAYS FOLLOW MAX. RPM LISTED ON WHEEL.

**Tip** For surface feet per minute, use the following calculation:  
 $SFPM = .262 \times \text{DIA (in inches)} \times \text{RPM}$



# Flex Drum

FLEXDRUM



**FlexDrum's abrasive cloth sweeps away flaws. Its extreme longevity and perfect balance make it well-suited for automatic as well as off-hand use.**

Saves time and costs in operations such as blending out parting lines on castings, smoothing out pre-ground welded areas, removing burrs and work flaws, graining stainless, brush-finishing and satin-finishing aluminum, removing rust, deflashing molded plastic and rubber parts, and preparing surfaces for painting or plating.

Hubs and abrasive segments can be combined to fit your job perfectly. A wide selection of grits from 50 to 320, are available in resin or glue bond. Diameters in "B" type from 8" to 16" and widths from 1-1/2" to 12" are available. Also available are Custom Die-Cut Loadings as well as Extra Wide types in widths up to 144".



**Tip**

Merit Flex-Drum segments feature a high performance coated abrasive, designed for superior life with an aggressive cut. Heavy cotton backing and premium abrasive grain combine to provide industry-leading performance on a wide range of polishing and finishing applications!

# Plain Segments – ALO Resin Bond

## FLEXDRUM SEGMENTS ALO RESIN BOND PLAIN

WIDTH	TRIM	GRIT	PART #
1-1/2" 12/box	2-3/4"	50	08834155002
		60	08834155003
		80	08834155004
		100	08834155005
		120	08834155006
		180	08834155008
2" 12/box	2-3/4"	240	08834155010
		50	08834155013
		60	08834155014
		80	08834155015
		100	08834155016
		120	08834155017
2" 20/box	4"	180	08834155019
		50	08834155312
		60	08834155313
		80	08834155314
		100	08834155315
		120	08834155316
2" 20/box	5"	180	08834155318
		60	08834155568
		80	08834155569
		120	08834155571
		180	08834155573
		240	08834155575
3" 12/box	2-3/4"	50	08834155025
		60	08834155026
		80	08834155027
		100	08834155028
		120	08834155029
		180	08834155031

## FLEXDRUM SEGMENTS ALO RESIN BOND PLAIN (CONTINUED)

WIDTH	TRIM	GRIT	PART #
3" 20/box	4"	50	08834155324
		60	08834155325
		80	08834155326
		120	08834155328
		180	08834155330
3" 20/box	5"	60	08834155579
		120	08834155582
		180	08834155584
4" 12/box	2-3/4"	50	08834155036
		60	08834155037
		80	08834155038
		100	08834155039
		120	08834155040
		180	08834155042
4" 20/box	4"	240	08834155044
		50	08834155336
		60	08834155337
		80	08834155338
		100	08834155339
		120	08834155340
4" 20/box	5"	180	08834155342
		240	08834155344
		60	08834155590
		80	08834155591
		120	08834155593
		180	08834150390
4" 20/box	5"	240	08834155953

FLEXDRUM

**Plain Segment  
for flat or mildly  
contoured surfaces**



**Tip** Flex Drums can be used for polishing large IDs. Just load half the segments with a wheel diameter 1/2" to 1" larger than the ID of your work piece

# Scored and Slashed Segments

## SCORED (1/4") & SLASHED (1/2") FLEXDRUM SEGMENTS ALO RESIN BOND

WIDTH	TRIM	SC/SL	GRIT	PART #
1-1/2" 12/box	2-3/4"	1/4" SC	50	08834155082
			60	08834155083
			80	08834155084
			100	08834155085
			120	08834155086
			180	08834155088
2" 12/box	2-3/4"	1/4" SC	240	08834155090
			50	08834155094
			60	08834155095
			80	08834155096
			100	08834155097
			120	08834155098
2" 20/box	4"	1/2" SL	180	08834155100
			240	08834155102
			60	08834155420
			80	08834155421
			100	08834155422
			120	08834155423
			180	08834155425
			240	08834155427

## SCORED (1/4") & SLASHED (1/2") (CONTINUED) FLEXDRUM SEGMENTS ALO RESIN BOND

WIDTH	TRIM	SC/SL	GRIT	PART #
2" 20/box	5"	1/2" SL	50	08834155635
			80	08834155637
			120	08834155639
3" 12/box	2-3/4"	1/4" SC	50	08834155106
			60	08834155107
			80	08834155108
			100	08834155109
			120	08834155110
3" 20/box	4"	1/2" SC	180	08834155112
			50	08834155430
			60	08834155431
			80	08834155432
			100	08834155433
			120	08834155434
3" 20/box	5"	1/2" SL	180	08834155436
			240	08834155438
			50	08834155646
			80	08834155648

FLEXDRUM



**FlexDrum Hub End Plate removes for easy loading of abrasive segments**



**Plain Segment for flat or mildly contoured surfaces**

**SCORED (1/4") & SLASHED (1/2") (CONTINUED)  
FLEXDRUM SEGMENTS ALO RESIN BOND**

WIDTH	TRIM	SC/SL	GRIT	PART #
4" 12/box	2-3/4"	1/4" SC	50	08834155117
			60	08834155118
			80	08834155119
			100	08834155120
			120	08834155121
			180	08834155123
4" 20/box	4"	1/2" SL	50	08834155443
			60	08834155444
			80	08834155445
			100	08834155446
			120	08834155447
			180	08834155449
4" 20/box	5"	1/2" SL	60	08834155658
			80	08834155659
			120	08834155661
			180	08834150383

Custom profiled segments eliminate break-in resulting in maximum productivity. Contact your sales representative for more information.



FLEXDRUM



**1/4" Scored (SC)**  
great for complex parts and provides a fine finish



**1/2" Slash (SL)**  
great for mild and moderate contours



**Interleaf Segment**  
(available upon request)

# Hub Units

FlexDrum Hubs are perfectly balanced, last indefinitely and are available in widths from 1-1/2" to 12". Extra Wide widths available up to 144".

## FLEXDRUM HUB UNITS

MODEL # DIA. X WIDE	ARBOR HOLE	SEGMENT PER HUB	PART #
81.5-B 2-3/8" x 1-1/2"	1" AH	12	08834140065
82-B 2-3/8" x 2"	1" AH	12	08834141049
83-B 2-3/8" x 3"	1" AH	12	08834141018
84-B 2-3/8" x 4"	1" AH	12	08834140066
122-B 4" x 2"	1-1/4" AH	20	08834140050
123-B 4" x 3"	1-1/4" AH	20	08834140051
124-B 4" x 4"	1-1/4" AH	20	08834140061
142-B 6" x 2"	1-1/4" AH	30	08834140062
143-B 6" x 3"	1-1/4" AH	30	69957399208
144-B 6" x 4"	1-1/4" AH	30	08834141060
840-B2 8" x 2"	1-1/4" AH	40	63642592550
840-B4 8" x 4"	1-1/4" AH	40	63642592548



**2-3/8" Diameter Hub with 1" Arbor Hole**  
8" Wheel when loaded



**2-3/8" Diameter Hub also available with 5/8"-11 Arbor**  
8" Wheel when loaded



**4" Diameter Hub**  
12" Wheel when loaded



**8" Diameter Hub**  
16" or 18" Wheel when loaded.



**6" Diameter Hub**  
14" or 16" Wheel when loaded



# Reference Charts

FlexDrum can be mounted on any type of arbor.

WEIGHTS	
Weight of Hubs*	
4" diameter hub	1.5 lbs./inch of width
6" diameter hub	2 lbs./inch of width
8" diameter hub	2.5 lbs./inch of width
Weight of Hubs with Loadings*	
4" diameter hub	3.4 - 4 lbs./inch of width
6" diameter hub	5 - 5.5 lbs./inch of width
8" diameter hub	6.75 - 7 lbs./inch of width

\*APPROXIMATE VALUES. ACTUAL WEIGHT WILL DEPEND ON ABRASIVE TYPE AND OVERALL WIDTH OF HUB.

FLEXDRUM MAXIMUM RPM	
Wheel Diameter	Maximum RPM
8"	4,500
12"	3,000
14"	2,500
16"	2,200
18"	2,000

RECOMMENDED H.P. REQUIRED	
Hub	H.P.
4" diameter hub	1/2 H.P./inch of width
6" diameter hub	3/4 H.P./inch of width
8" diameter hub	1 H.P./inch of width

RECOMMENDED SURFACE FEET PER MINUTE FOR USING FLEXDRUM WHEELS ON VARIOUS MATERIALS	
Material	SFPM
Mild Steel	5,000
Stainless Steel	6,500
Alloy Steel	5,000
Titanium	3,500
Hard Aluminum	5,500
Non Ferrous	5,000
Rubber	4,500
Hardwood (edge breaking)	4,000
Softwood	3,500
Thermoplastic	3,000

**Tip** For surface feet per minute, use the following calculation:  
 $SFPM = .262 \times DIA \text{ (in inches)} \times RPM.$



FLEXDRUM HUB SPECIFICATION CHART				
	82-B	121-B	141-B	840-B
Diameter of Finished Wheel	8"	12"	14" or 16"	16" or 18"
Diameter of Hub Alone	2-3/8"	4"	6"	8"
Arbor Hole	1" or 5/8-11" thd	3/4" to 1-3/4"	1" to 3-1/2"	1-1/4" to 5"
Segments	12	20	30	40



HOW TO DETERMINE SIZE OF FINISHED FLEXDRUM			
HUB DIAMETER	+	TRIM LENGTH (X2)	= FINISHED WHEEL
2-3/8"		2-3/4"	8"
4"		4"	12"
4"		5"	14"
6"		4"	14"
6"		5"	16"
8"		4"	16"
8"		5"	18"

FLEXDRUM



POWERFLEX DISCS

**The innovative design of Merit's advanced PowerFlex Flap Discs allows you to grind and finish in only one smooth operation — saving both time and money.**

With the two-in-one PowerFlex Disc there's no need to change tools, no need for additional processes and no need for a backing pad.

PowerFlex Discs also grind cooler without bluing and last up to 15 times longer than resin fiber discs. They are safe, quiet, and easy to control for rapid stock removal, consistent finishes and longer disc life.

The layered abrasive flaps on the flap disc are designed to wear away evenly. PowerFlex Discs produce a high-quality, consistent finish on steels, metals, and other exotic materials.



**Type 29 –  
15° Surface Flap**



**Type 27 – Flat**



## Contoured PowerFlex Discs – Ceramic

### Ultra Ceramic Plus PowerFlex Disc

Ultra Ceramic Plus PowerFlex discs are the longest lasting, highest performance flap discs available. Ceramic Abrasive on a heavy polyester backing results in industry leading life and value.



**Type 29**  
Contoured Flap Discs have a built-in angle that is designed for best use at an applied angle from 5 to 15 degrees.

#### TYPE 29 – ULTRA CERAMIC PLUS FIBERGLASS PLATE POWERFLEX DISCS

DIA. X A.H.	GRIT	FIBERGLASS PLATE
4" x 5/8"	36	08834191048
15,300 RPM	40	08834191049
10/box	60	08834191050
100/case	80	08834191051
	100	08834191053
	120	08834191054
4-1/2" x 7/8"	36	08834191055
13,300 RPM	40	08834191057
10/box	60	08834191058
100/case	80	08834191059
	100	08834191083
	120	08834191084
5" x 7/8"	36	08834191085
12,000 RPM	40	08834191086
10/box	60	08834191087
40/box	80	08834191089
	100	08834191090
	120	08834191091
7" x 7/8"	36	08834191092
8,600 RPM	40	08834191093
10/box	60	08834191094
40/case	80	08834191095
	100	08834191096
	120	08834191097

#### TYPE 29 – ULTRA CERAMIC PLUS 3/8-24 RAISED PLATE POWERFLEX DISCS

DIA. X THD.	GRIT	FIBERGLASS PLATE
4" x 3/8"-24	36	08834191300
15,300 RPM	40	08834191330
10/box	60	08834191331
100/case	80	08834191342
	100	08834191345
	120	08834191581

#### TYPE 29 – ULTRA CERAMIC PLUS 5/8-11 RAISED HUB POWERFLEX DISCS

DIA. X THD.	GRIT	FIBERGLASS PLATE
4-1/2" x 5/8"-11	36	08834191098
13,300 RPM	40	08834191099
10/box	60	08834191193
100/case	80	08834191200
	100	08834191201
	120	08834191202
5" x 5/8"-11	36	08834191204
12,000 RPM	40	08834191205
10/box	60	08834191215
40/case	80	08834191282
	100	08834191283
	120	08834191284
7" x 5/8"-11	36	08834191285
8,600 RPM	40	08834191295
10/box	60	08834191296
40/case	80	08834191297
	100	08834191298
	120	08834191299

**Tip**

Premium performance for heavy grinding, reducing change-overs and increasing productivity.



## Contoured PowerFlex Discs – Zirc Plus

### Premium Zirconia Plus R801 PowerFlex Disc

Premium Zirconia Plus PowerFlex discs use premium zirconia alumina abrasive with a grinding aid on a heavy polyester backing. Outstanding product for heavy stock removal on a wide variety of hard to grind materials.

#### TYPE 29 – PREMIUM ZIRCONIA PLUS R801 POWERFLEX DISCS – FIBERGLASS PLATE

DIA. X A.H.	GRIT	FIBERGLASS PLATE
4" x 5/8" 15,300 RPM 10/box 100/case	36	08834190164
	40	08834191154
	60	08834191348
	80	08834191349
	100	08834191412
4-1/2" x 7/8" 13,300 RPM 10/box 100/case	120	08834191434
	36	08834190178
	40	08834190179
	60	08834190761
	80	08834190180
5" x 7/8" 12,000 RPM 10/box 40/case	100	08834191435
	120	08834191445
	36	08834191484
	40	08834191485
	60	08834191486
7" x 7/8" 8,600 RPM 10/box 40/case	80	08834191487
	100	08834191488
	120	08834191469
	36	08834199675
	40	08834191501
	60	08834190765
	80	08834191502
	100	08834191503
	120	08834191540

#### TYPE 29 – PREMIUM ZIRCONIA PLUS R801 POWERFLEX DISCS – 3/8-24 RAISED HUB

DIA. X THD.	GRIT	FIBERGLASS PLATE
4" x 3/8"-24 15,300 RPM 10/box 40/case	36	08834191541
	40	08834191542
	60	08834191543
	80	08834191544
	100	08834191546
120	08834191548	

#### TYPE 29 – PREMIUM ZIRCONIA PLUS R801 POWERFLEX DISCS – 5/8-11 THD. RAISED HUB

DIA. X THD.	GRIT	FIBERGLASS PLATE
4-1/2" x 5/8"-11 13,300 RPM 10/box 40/case	36	08834190436
	40	08834191594
	60	08834198008
	80	08834190455
	100	08834191552
5" x 5/8"-11 12,000 RPM 10/box 40/case	120	08834191553
	36	08834191554
	40	08834191562
	60	08834191574
	80	08834191575
7" x 5/8"-11 8,600 RPM 10/box 40/case	100	08834191576
	120	08834191577
	36	08834191578
	40	08834191041
	60	08834190764
	80	08834191437
	100	08834191579
	120	08834191580



**Zirconia Alumina  
Fiberglass Plate**

## Contoured PowerFlex Discs

Type 29 Contoured Flap Discs are the most aggressive option. Angled face provides greater surface contact with higher metal removal rates.

### Zirconia Alumina Contoured PowerFlex Discs

High Performance Zirconia Alumina produces an aggressive cut and long life. Best all-around product for flap discs.

### Aluminum Oxide Contoured PowerFlex Discs

Aluminum Oxide is a good option for a smooth cutting, excellent finishing flap disc.

#### TYPE 29 – CONTOURED POWERFLEX DISCS

DIA. X A.H.	GRIT	ZIRCONIA ALUMINA		ALUMINUM OXIDE
		ALUMINUM PLATE	FIBERGLASS PLATE	FIBERGLASS PLATE
4" x 5/8" 15,300 RPM 10/box 100/case	24	08834193718	08834193722	08834193732
	36	08834193422	08834193630	08834193656
	40	08834193709	08834193645	08834193657
	60	08834193429	08834193631	08834193658
	80	08834193432	08834193632	08834193659
	120	08834193471	08834193646	08834193661
4-1/2" x 7/8" 13,300 RPM 10/box 100/case	24	08834193719	08834193723	08834193733
	36	08834193421	08834193633	08834193662
	40	08834193710	08834193647	08834193663
	60	08834193424	08834193634	08834193664
	80	08834193425	08834193635	08834193665
	120	08834193711	08834193648	08834193667
5" x 7/8" 12,000 RPM 10/box 40/case	24	08834193720	08834193724	08834193734
	36	08834193712	08834193649	08834193668
	40	08834193713	08834193650	08834193669
	60	08834193714	08834193651	08834193670
	80	08834193715	08834193652	08834193671
	120	08834193716	08834193653	08834193672
7" x 7/8" 8,600 RPM 10/box 40/case	24	08834193430	08834193725	08834193735
	36	08834193431	08834193636	08834193673
	40	08834193717	08834193654	08834193674
	60	08834193434	08834193637	08834193675
	80	08834193435	08834193638	08834193676
	120	08834193437	08834193655	08834193678

HUBBED TYPE 29 ZIRCONIA POWERFLEX DISCS ARE ON PAGE 44.



**Type 29  
Contoured Flap Discs  
have a built-in angle that is  
designed for best use at an  
applied angle from  
5 to 15 degrees.**



**Tip** For comparable finish,  
use one grit coarser  
than resin fiber discs

## Contoured PowerFlex Discs (continued)



**Zirconia Fiberglass  
5/8-11 Hub**

### TYPE 29 – CONTOURED 5/8 - 11 THD. RAISED PLATE

DIA. X THD.	GRIT	ZIRCONIA ALUMINA		ALUMINUM OXIDE
		ALUMINUM PLATE	FIBERGLASS PLATE	FIBERGLASS PLATE
4-1/2" x 5/8"-11 13,300 RPM 10/box 40/case	24	08834190101	08834193726	08834193729
	36	08834190102	08834193679	08834193694
	40	08834190103	08834193680	08834193695
	60	08834190104	08834193681	08834193696
	80	08834190106	08834193682	08834193697
	120	08834190107	08834193683	08834193698
5" x 5/8"-11 12,000 RPM 10/box 40/case	24	08834190109	08834193727	08834193730
	36	08834190110	08834193684	08834193699
	40	08834190111	08834193685	08834193700
	60	08834190112	08834193686	08834193701
	80	08834190115	08834193687	08834193702
	120	08834190118	08834193688	08834193703
7" x 5/8"-11 8,600 RPM 10/box 40/case	24	08834190119	08834193728	08834193731
	36	08834190120	08834193689	08834193704
	40	08834190121	08834193690	08834193705
	60	08834190122	08834193691	08834193706
	80	08834190123	08834193692	08834193707
	120	08834190129	08834193693	08834193708



**Contoured, Type 29  
5/8-11 Raised Hub for  
quick and easy mounting  
and removal.**

## Mini PowerFlex Discs

For the job that requires an aggressive but small diameter flap disc, try Merit Mini PowerFlex Discs. Safe, quiet and easy to control, the Mini PowerFlex disc is designed with layered flaps which wear away evenly, producing a high quality and consistent finish on metals and other exotic materials – and with a quick change feature on the back of each disc, downtime is reduced dramatically. For use with Type II or Type III holders.



### TYPE 27 – ZIRCONIA MINI POWERFLEX DISCS

DIAMETER	GRIT	TYPE II	TYPE III
2" 24,000 RPM 10/tube 100/case	36	08834195020	08834194550
	40	08834195021	08834194551
	60	08834195022	08834194552
	80	08834195023	08834194553
	120	08834195024	08834194554
3" 20,000 RPM 10/tube 100/case	36	08834195035	08834194563
	40	08834195036	08834194564
	60	08834195037	08834194565
	80	08834195038	08834194566
	120	08834195039	08834194567

**Type II  
Mini PowerFlex Holder**

**Part # 08834168539**

**Type III  
Mini PowerFlex Holder**


**Part # 08834160172**

### POWERFLEX ADAPTER KIT

DESCRIPTION	PART #
Disc pad nut 5/8-11 thd. and bell shape washer	08834190908




# Flat PowerFlex Discs

**Flat, Type 27**  
**The best choice for smooth finishing.**  
**Type 27 flap discs are used at flatter angles (0 to 15 degrees) and are used primarily on flat surfaces.**

## TYPE 27 – FLAT POWERFLEX DISCS

DIA. X A.H.	GRIT	ZIRCONIA ALUMINA		ALUMINUM OXIDE
		ALUMINUM PLATE	FIBERGLASS PLATE	FIBERGLASS PLATE
4-1/2" x 7/8" 13,300 RPM 10/box 40/case	24	08834190855	08834190785	08834190786
	36	08834190856	08834190789	08834190827
	40	08834190857	08834190728	08834190787
	60	08834190858	08834190750	08834190753
	80	08834190859	08834190751	08834190826
	120	08834190860	08834190825	08834190828
5" x 7/8" 12,000 RPM 10/box 40/case	24	08834194933	08834194939	08834195181
	36	08834194934	08834194940	08834195182
	40	08834194935	08834194941	08834195183
	60	08834194936	08834194942	08834195184
	80	08834194937	08834194943	08834195185
	120	08834194938	08834194944	08834195186
7" x 7/8" 10/box 8,600 RPM 40/case	24	08834190884	08834190838	08834190829
	36	08834190863	08834190783	08834190830
	40	08834190864	08834190788	08834190831
	60	08834190865	08834190839	08834190835
	80	08834190866	08834190720	08834190836
	120	08834190867	08834190840	08834190837

**Flat, Type 27 with Raised Hub**  
**for quick and easy mount and removal.**

## TYPE 27 – FLAT 5/8-11 THD. POWERFLEX DISCS

DIA. X THD.	GRIT	ZIRCONIA ALUMINA		ALUMINUM OXIDE
		ALUMINUM PLATE	FIBERGLASS PLATE	FIBERGLASS PLATE
4-1/2" x 5/8"-11 13,300 RPM 10/box 40/case	24	08834194985	08834194380	08834195196
	36	08834190937	08834193319	08834195198
	40	08834194986	08834190923	08834190922
	60	08834194987	08834194925	08834190921
	80	08834194988	08834193320	08834190885
	120	08834194989	08834193619	08834190899
5" x 5/8"-11 12,000 RPM 10/box 40/case	24	08834194945	08834194951	08834195207
	36	08834194946	08834194952	08834195208
	40	08834194947	08834194953	08834195209
	60	08834194948	08834194954	08834195212
	80	08834194949	08834194955	08834195213
	120	08834194950	08834194956	08834195214
7" x 5/8"-11 8,600 RPM 10/box 40/case	24	08834194926	08834190965	08834195220
	36	08834190939	08834190886	08834195221
	40	08834194927	08834190887	08834195222
	60	08834194928	08834192055	08834195223
	80	08834194929	08834192294	08834195224
	120	08834194930	08834192169	08834191277

POWERFLEX DISCS



## High Density PowerFlex Discs

### High Density PowerFlex Disc

Provides the same high performance as our regular PowerFlex, but with 50% more usable abrasive. The added abrasive gives a cushion to the product which provides a quick grind with less heat to produce a higher quality finish.



#### TYPE 29 – HIGH DENSITY

DIA. X A.H.	GRIT	ZIRCONIA ALUMINA FIBERGLASS PLATE
4-1/2" x 7/8" AH	24	08834194833
13,000 RPM	36	08834191427
10/box	40	08834190726
100/case	60	08834190175
	80	08834190924
	120	08834190995
7" x 7/8" AH	24	08834190877
8,600 RPM	36	08834190878
10/box	40	08834192059
40/case	60	08834196985
	80	08834196986
	120	08834196988

#### TYPE 27 – HIGH DENSITY

DIA. X A.H.	GRIT	ZIRCONIA ALUMINA FIBERGLASS PLATE
4-1/2" x 7/8" AH	24	08834194834
13,300 RPM	36	08834192985
10/box	40	08834190172
100/case	60	08834190767
	80	08834194360
	120	08834194841
7" x 7/8" AH	24	08834194831
8,600 RPM	36	08834194361
10/box	40	08834190933
40/case	60	08834194514
	80	08834194362
	120	08834194832

#### TYPE 29 – HIGH DENSITY 5/8-11 RAISED HUB

DIA. X A.H.	GRIT	ZIRCONIA ALUMINA FIBERGLASS PLATE
4-1/2" x 5/8"-11	36	08834194447
13,000 RPM	40	08834193906
10/box	60	66261044504
100/case	80	66261044505
	120	66261044506
7" x 5/8"-11	36	08834193830
8,600 RPM	40	66261044540
10/box	60	08834199751
40/case	80	08834192896
	120	66261044541

#### TYPE 27 – HIGH DENSITY 5/8-11 RAISED HUB

DIA. X A.H.	GRIT	ZIRCONIA ALUMINA FIBERGLASS PLATE
4-1/2" x 5/8"-11	24	08834191969
13,000 RPM	36	08834199749
10/box	40	08834194731
100/case	60	08834199750
	80	08834190330
	120	08834191941
7" x 5/8"-11	24	08834191986
8,600 RPM	36	08834195073
10/box	40	08834191043
40/case	60	08834197227
	80	08834191674
	120	08834191987

**Tip**

Know your competition! To keep a competitive edge, run High Density PowerFlex Discs versus other manufacturer's Jumbo, XL or High Density Discs.



# Resin Fiber Discs



## Resin Fiber Discs

Merit's resin fiber discs are made with only the finest grain available and selected for their individual performance characteristics required for each application. Manufactured with specially formulated bonding resins to minimize loading, glazing and grain stripping.



RESIN FIBER DISCS



### Ceramic Resin Fiber Discs

High performance ceramic grain on a heavy fiber backing, this disc is engineered for cool, rapid stock removal with a fast initial cut rate. Superb on stainless steel and steel alloys. Best price/performance ratio.



### Zirconia Resin Fiber Discs

Durable zirconia alumina abrasive with a heavy fiber backing, this disc is a great performer on stainless steel. High strength for tough jobs, it won't break down like aluminum oxide. Long lasting on Inconel and Cobalt.



### Aluminum Oxide Resin Fiber Discs

Economically priced aluminum oxide abrasive grain on a heavy fiber backing. This general purpose disc is good for small jobs removing welds and imperfections.

## RESIN FIBER DISCS

DIA. X A.H.	GRIT	CERAMIC PART #	ZIRCONIA PART #	ALUMINUM OXIDE PART #
4-1/2" x 7/8" 25/box 100/case	24	66623355601	66623353315	66623353309
	36	66623355602	66623353316	66623353306
	50	66623355603	66623353318	66623353310
	60	66623355604	66623353319	66623353311
	80	66623365598	66623353320	66623353312
	100 120			66623353313 66623353314
5" x 7/8" 25/box 100/case	24	66623355597	66623357290	66623357276
	36	66623355598	66623357291	66623357277
	50	66623355599	66623357292	66623357278
	60	66623355600	66623357293	66623357279
	80	66623366015	66623357294	66623357280
	100 120			66623357281 66623357282
7" x 7/8" 25/box 100/case	24	66623355578	66623357295	66623357283
	36	66623355594	66623357296	66623357284
	50	66623355595	66623357297	66623357285
	60	66623355596	66623357298	66623357286
	80	66623365600	66623357299	66623357287
	100 120			66623357288 66623357289



## Quick-Change Resin Fiber Sanding Discs

Easy to change with a unique nut design that prevents torque lock-up. No tools are necessary, no center nut to loosen or tighten and no tugging to release.

### QUICK-CHANGE RESIN FIBER DISCS

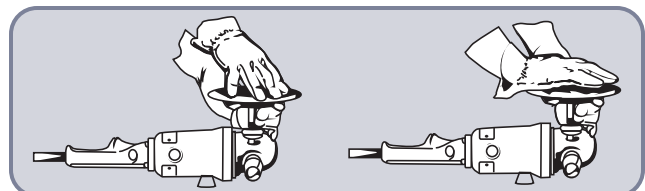
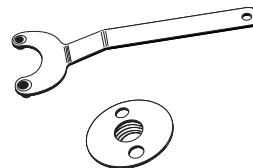
DIA. X THD.	GRIT	CERAMIC PART #	ZIRCONIA PART #	ALUMINUM OXIDE PART #	
4-1/2" x 5/8"-11	24	08834159136	08834159121	08834159100	
	25/box	08834159137	08834159122	08834159101	
	100/case	50	08834159138	08834159123	08834159102
		60	08834159139	08834159124	08834159103
		80		08834159125	08834159104
		100			08834159105
	120			08834159106	
5" x 5/8"-11	24	08834159140	08834159126	08834159107	
	25/box	08834159141	08834159127	08834159108	
	100/case	50	08834159142	08834159128	08834159109
		60	08834159143	08834159129	08834159110
		80		08834159130	08834159111
		100			08834159112
	120			08834159113	
7" x 5/8"-11	24	08834159144	08834159131	08834159114	
	25/box	08834159145	08834159132	08834159115	
	100/case	50	08834159146	08834159133	08834159116
		60	08834159147	08834159134	08834159117
		80		08834159135	08834159118
		100			08834159119
	120			08834159120	



### SPIRAL COOL BACK-UP PADS AND ACCESSORIES

DIA.	MODEL #	MAX RPM	PART #
4-1/2" DIA.	MP-450	11,000	08834195006
5" DIA.	MP-500	10,000	08834195002
7" DIA.	MP-700	8,500	08834195003
9" DIA.	MP-900	6,500	08834195004
DISC PAD NUT 5/8"-11			08834195000
SPANNER WRENCH FITS 5/8" and 3/8"			08834192776

FITS PORTABLE SANDERS WITH 5/8"-11 THREAD.



# FastTrack Belts



Merit belts have been developed with one simple goal in mind: to provide you economically-priced products that help lower your processing cost while meeting or exceeding your targets for part quality and productivity. The abrasives used in Merit products are made with the most advanced ceramic seeded-gel, aggressive zirconia alumina, versatile aluminum oxide and super strong silicon carbide grain to meet a wide range of applications.

## WOODWORKING CLOTH BELTS

### Zirconia Alumina Cloth Open Coat Y-Weight

**KY685 36, 50, 80-120 Grit Range** **Narrow and Wide Belts**  
Zirconia alumina abrasive with Y-weight cotton backing for finishing wood and non-metallic materials. Open coat.

### Aluminum Oxide Cloth Open Coat X-Weight

**KX395 60-220 Grit Range** **Narrow and Wide Belts**  
Aluminum oxide abrasive with X-weight cotton backing for finishing of wood and non-metallic materials. Open coat.

### Silicon Carbide Cloth X-Weight

**KX875 24, 36-220 Grit Range** **Narrow and Wide Belts**  
Silicon carbide abrasive with X-weight cotton backing for general purpose sanding on non-ferrous materials.

## WOODWORKING PAPER BELTS

### Aluminum Oxide Paper F-Weight

**P55FOP P80-P220 Grit Range** **Narrow and Wide Belts**  
P-graded aluminum oxide abrasive with F-weight backing and antistatic coating. Open coat.

**P55F P80-P220 Grit Range** **Narrow and Wide Belts**  
P-graded, aluminum oxide abrasive with F-weight paper backing for metalworking and woodworking.

## METALWORKING CLOTH BELTS

### Ceramic Alumina Cloth Y-Weight

**SY965 36-120 Grit Range** **Narrow and Wide Belts**  
Ceramic alumina abrasive with heavy-duty Y-weight polyester backing for finishing exotic alloys. Waterproof.

### Zirconia Alumina Cloth Y-Weight

**SY603 24, 36-120 Grit Range** **Narrow and Wide Belts**  
Zirconia alumina abrasive with Y-weight polyester backing and a grinding aid for weld removal and finishing of hard-to-grind materials. Waterproof.

**SY695 24, 36-80 Grit Range** **Narrow and Wide Belts**  
Zirconia alumina abrasive with heavy-duty Y-weight polyester backing for weld removal and finishing ferrous and non-ferrous materials. Waterproof.

### X-Weight

**SX695 60-220 Grit Range** **Narrow and Wide Belts**  
Zirconia alumina abrasive with X-weight polyester backing for weld removal and finishing ferrous and non-ferrous materials. Waterproof.

### Aluminum Oxide Cloth Y-Weight

**SY395 24, 36-120 Grit Range** **Narrow and Wide Belts**  
Heat-treated aluminum oxide abrasive with heavy-duty Y-weight polyester backing for weld removal and finishing ferrous and non-ferrous materials. Waterproof.

### X-Weight

**SX395 P60-P240, P320, P400 Grit Range** **Narrow and Wide Belts**  
P-graded, heat-treated aluminum oxide abrasive with X-weight polyester backing for weld removal and finishing ferrous and non-ferrous materials. Waterproof.

**KX375 36-240, 320 Grit Range** **Narrow and Wide Belts**  
Aluminum oxide abrasive with X-weight cotton backing for general purpose sanding of ferrous and non-ferrous materials.

### J-Weight

**KJ375 P80-P320, P400, P600 Grit Range** **Narrow Belts**  
P-graded aluminum oxide abrasive with J-weight cotton backing for general purpose sanding of ferrous and non-ferrous materials where a more flexible backing is needed.

**KF376J P80-P320, P400, P600 Grit Range** **Narrow Belts**  
P-graded, heat-treated aluminum oxide abrasive with ceramic coating with a very flexible J-weight cotton backing for use wherever flexibility and conformability are needed.

# Belt Specifications

## METALWORKING

PRODUCT	SHAPE AVAILABILITY	GRIT SIZE	ABRASIVE GRAIN	BACKING	JOINT	FLEX	FEATURES	MARKETS	APPLICATIONS
SY965	Narrow, Wide	36-120	Ceramic	Y-wt. poly.	BT	RR	stiff, durable backing; fast/long life	metal fab, foundries, furniture and production cabinet manufacturing	offhand grinding, wide belt metal and wood, automatics
SY603	Narrow, Wide	24-120	Zirconia	Y-wt. poly. w/grinding aid	BT	RR	stiff, durable backing; fast/long life	metal fab, foundries, furniture and production cabinet manufacturing	offhand grinding, wide belt metal and wood, automatics
SY695	Narrow, Wide	24-80	Zirconia	Y-wt. poly.	BT	RR	stiff, durable backing	metal fab, hand tools, aluminum foundries	any narrow or wide belt metal application
SX695	Narrow, Wide	60-220	Zirconia	X-wt. poly.	BT	RR	semi-flexible backing; fast cut	metal fab, hand tools	offhand grinding and blending, centerless grinding
SY395	Narrow, Wide	24-120	Aluminum Oxide	Y-wt. poly.	BT	RR	stiff, durable bkg.; versatile abrasive	metal fab, hand tools, foundries	offhand, conveyor, centerless and platen grinding
SX395	Narrow, Wide	P60-P240, P320, P400	Aluminum Oxide	X-wt. poly.	BT	RR	semi-flexible backing, versatile abrasive	metal fab, hand tools	intermediate grinding and blending offhand
KX375	Narrow, Wide	36-240, 320	Aluminum Oxide	X-wt. cotton	BT	RR	standard flexible backing; versatile abrasive	metal fab, MRO	MRO applications
KJ375	Narrow	P80-P320, P400, P600	Aluminum Oxide	J-wt. cotton	BT	TF	flexible backing; versatile abrasive	metal fab, furniture, MRO	polishing, profile sanding, blending
KF376J	Narrow	P80-P320, P400, P600	Aluminum Oxide	J-wt. cotton w/grinding aid	BT	TF	very flexible backing; long life	aerospace, metal fab, MRO	polishing exotic alloys, blending

## WOODWORKING

PRODUCT	SHAPE AVAILABILITY	GRIT SIZE	ABRASIVE GRAIN	BACKING	JOINT	FLEX	FEATURES	MARKETS	APPLICATIONS
KY685	Narrow, Wide	36, 50, 80-120	Zirconia	Y-wt. cotton	BT	RR	moderately stiff backing; open coat	furniture, cabinet shops	narrow and wide belt sanding of wood
KX395	Narrow, Wide	60-220	Aluminum Oxide	X-wt. cotton	BT	RR	standard flexible bkg.; open coat	furniture, wood cabinets	narrow and wide belt woodworking
KX875	Narrow, Wide	24-220	Silicon Carbide	X-wt. cotton	BT	RR	standard flexible backing	glass fabrication, nonferrous metals	glass edging and blending, brass polishing
P55FOP	Narrow, Wide	P80-P220	Aluminum Oxide	F-wt. paper	CJ	CF to 37" RR > 37"	strong paper bkg.; open coat; anti-static	furniture, wood cabinets	wide and narrow belt sanding of hardwoods
P55F	Narrow, Wide	P80-P220	Aluminum Oxide	F-wt. paper	CJ	CF to 37" RR > 37"	strong paper backing	furniture, wood cabinets	wide and narrow belt sanding of hardwoods

## Product Availability

- 1/2" and greater widths, for 25" and greater lengths
- Note: 8" x 107" and 9" x 107" are not available under the FastTrack program

## Lead-times

- 2 days for narrow belts (12" wide and less)
- 5 days for wide belts (>=14" up to 52" wide)

## Order Information

- All belts are made-to-order
- Minimum quantity is 1 package
- Manufacturing leeway +10 / -20%

## How to Order

Ordering is easy

- Include a full description of belt required, including:
  - quantity
  - size
  - specification
  - grit size

## FASTTRACK PACKAGING STANDARDS

WIDTH	GRIT SIZE	BELTS/ PKG.	BELTS/ CASE
<b>NARROW BELTS</b>			
1/2" up to 1"	All	50	200
Over 1" up to 5"	All except*	10	50
Over 5" up to 9"	All	10	20
Over 9" up to 14"	All	10	10
<b>*Exceptions:</b>			
Over 1" up to 4"			
>109" up to 168" lengths only	50 & Coarser 60 & Finer	25 50	50 50
<b>WIDE BELTS</b>			
Over 14" up to 20"	50 & Coarser 60 & Finer	5 10	10 10
Over 20" up to 52"	36 & Coarser 40 - 80 100 & Finer	2 3 5	2 3 5

# Abrasive Specialty



**The industry's largest variety of specialty items to meet all of your abrasive needs.**

From cartridge rolls and spiral rolls to square and cross pads, Merit has the ideal specialty product for you. Like all Merit products, you can be confident you'll be receiving the highest quality, advanced specialty products designed to make your job easier.





## Merit Blaze Abrasive Specialties

### The Next-Generation of Specialties for Metalworking Applications

An exclusive ceramic grain technology, grinding aid and X-weight cotton backing, these products outperform all competitive ceramic, zirconia and aluminum oxide specialty products in today's markets. Merit Blaze specialties cut cooler and last longer on stainless steel, cobalt, inconel, titanium and other hard-to-grind materials.



#### CARTRIDGE ROLLS

DIA. X L. X A.H.	GRIT	PART #
1/4" x 1-1/2" x 1/8"	60	66261194384
100/box, 1000/case	80	66261194394
	120	66261194397
3/8" x 1-1/2" x 1/8"	60	66261194392
100/box, 1000/case	80	66261194395
	120	66261194398
1/2" x 1-1/2" x 1/8"	60	66261194393
100/box, 1000/case	80	66261194396
	120	66261194399

ADDITIONAL CARTRIDGE ROLLS SHOWN ON PAGES 53-56.

#### SPIRAL ROLLS - FULL TAPER

DIA. X L. X A.H.	GRIT	PART #
3/8" x 1-1/2" x 1/8"	60	66261194481
100/box, 1000/case	80	66261194490
	120	66261194491
1/2" x 1-1/2" x 1/8"	60	66261194484
100/box, 1000/case	80	66261194492
	120	66261194495

ADDITIONAL SPIRAL ROLLS SHOWN ON PAGES 56-57.

#### SQUARE PADS

L. X W. X THICK	GRIT	PART #
2" x 2" x 1/2"	60	66261194520
with 1/4-20 quick-change eyelet	80	66261194552
100/box, 400/case	120	66261194554
3" x 3" x 1/4"	60	66261194531
with 1/4-20 quick-change eyelet	80	66261194555
100/box, 400/case	120	66261194556
3" x 3" x 1/2"	60	66261194528
with 1/4-20 quick-change eyelet	80	66261194557
100/box, 400/case	120	66261194558

ADDITIONAL SQUARE PADS SHOWN ON PAGE 59.

#### CROSS PADS

L. X W. X THICK-PLY	GRIT	PART #
1-1/2" x 1-1/2" x 1/2"	60	66261194496
with 8-32 quick-change eyelet,	80	66261194508
8-ply	120	66261194511
100/box, 1000/case		
2" x 2" x 3/4"	60	66261194502
with 8-32 quick-change eyelet,	80	66261194513
8-ply	120	66261194516
100/box, 400/case		
3" x 3" x 1"	60	66261194504
with 1/4-20 quick-change eyelet,	80	66261194549
8-ply	120	66261194551
100/box, 400/case		

ADDITIONAL CROSS PADS SHOWN ON PAGE 60.

#### OVERLAP SLOTTED DISCS

DIA. X QTY/SET	GRIT	PART #
1-1/2"	60	66261195051
2 per set,	80	66261195368
with 8-32 quick-change eyelet	120	66261195367
100/box, 1000/case		
2"	60	66261195054
2 per set,	80	66261195055
with 8-32 quick-change eyelet	120	66261195056
100/box, 1000/case		
3"	60	66261195057
2 per set,	80	66261195058
with 8-32 quick-change eyelet	120	66261195059
100/box, 400/case		

ADDITIONAL OVERLAP SLOTTED DISCS SHOWN ON PAGE 61.



**New Merit Blaze specialties last 50% to 300% longer than any product currently available.**

**Maximum performance for lowest overall grinding cost on your most difficult-to-grind materials.**

## Cartridge and Spiral Rolls



### ALO Cartridge Rolls

Most effective for flash removal, polishing or removing machine tool marks and edge breaking. Merit cartridge rolls reach into corners where larger diameter tools cannot. Resin bond Aluminum Oxide and Silicon Carbide are standard. Glue bond Aluminum Oxide available upon request. Half-glued is standard.

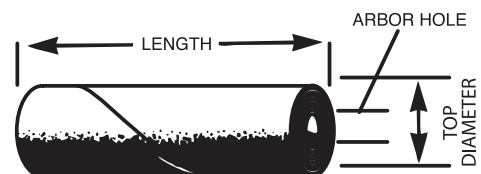
#### MAXIMUM RPMs

1/8" dia. to 1/2" dia.	16,000 - 23,000 maximum RPM
5/8 dia. to 1 dia.	12,000 - 18,000 maximum RPM
1 dia. to 1-1/2 dia.	10,000 - 15,000 maximum RPM



#### CARTRIDGE ROLLS ALO RESIN BOND

DIA. X L. X A.H.	GRIT	PART #
3/16" x 3/4" x 3/32"	80	08834180005
100/box 1,000/case		
3/16" x 1" x 3/32"	60	08834180023
100/box 1,000/case	80	08834180024
use M-2E	100	08834180025
	120	08834180026
	150	08834180027
	180	08834180028
	240	08834180030
	320	08834180032
1/4" x 3/4" x 1/8"	60	08834180042
100/box 1,000/case	80	08834180043
use M-3 or M-7 mandrel	120	08834180045
1/4" x 1" x 1/8"	50	08834180060
100/box 1,000/case	60	08834180061
use M-4 or M-8 mandrel	80	08834180062
	100	08834180063
	120	08834180064
	150	08834180065
	180	08834180066
	240	08834180068
	320	08834180070
1/4" x 1-1/2" x 1/8"	50	08834180079
100/box 1,000/case	60	08834180080
use M-9 mandrel	80	08834180081
	100	08834180082
	120	08834180083
	150	08834180084
	180	08834180085
	320	08834180089
1/4" x 2" x 1/8"	80	08834180100
100/box 1,000/case	100	08834180101
use M-10 mandrel	120	08834180102
5/16" x 1" x 1/8"	60	08834180137
100/box 1,000/case	80	08834180138
use M-4 or M-8 mandrel	120	08834180140





**CARTRIDGE ROLLS  
ALO RESIN BOND (CONTINUED)**

DIA. X L. X A.H.	GRIT	PART #
5/16" x 1-1/2" x 1/8"	60	08834180156
100/box 1,000/case use M-9 mandrel	80 120	08834180157 08834180159
3/8" x 3/4" x 1/8"	60	08834180194
100/box 1,000/case use M-7 mandrel	80 120	08834180195 08834180197
3/8" x 1" x 1/8"	40	08834180211
100/box 1,000/case use M-8 mandrel	50 60 80 100 120 150 180 240	08834180212 08834180213 08834180214 08834180215 08834180216 08834180217 08834180218 08834180220
3/8" x 1-1/2" x 1/8"	36	08834180228
100/box 1,000/case use M-9 mandrel	40 50 60 80 100 120 150 180 240 320	08834180229 08834180230 08834180231 08834180232 08834180233 08834180234 08834180235 08834180236 08834180238 08834180240
3/8" x 2" x 1/8"	60	08834180250
100/box 1,000/case use M-10 mandrel	80 100 120	08834180251 08834180252 08834180253
1/2" x 3/4" x 1/8"	80	08834180270
100/box 1,000/case use M-7 mandrel		
1/2" x 1" x 1/8"	40	08834180286
100/box 1,000/case use M-8 mandrel	50 60 80 100 120 150 180 240 320	08834180287 08834180288 08834180289 08834180290 08834180291 08834180292 08834180293 08834180295 08834180297

**CARTRIDGE ROLLS  
ALO RESIN BOND (CONTINUED)**

DIA. X L. X A.H.	GRIT	PART #
1/2" x 1-1/2" x 1/8"	36	08834180304
100/box 1,000/case use M-9 mandrel	40 50 60 80 100 120 150 180 240 320	08834180305 08834180306 08834180307 08834180308 08834180309 08834180310 08834180311 08834180312 08834180314 08834180316
1/2" x 1-1/2" x 3/16"	120	08834180919
100/box 1,000/case use M-16 mandrel		
1/2" x 2" x 1/8"	60	08834180326
100/box 1,000/case use M-10 mandrel	80 100 120 180 240 320	08834180327 08834180328 08834180329 08834180331 08834180333 08834180335
1/2" x 2" x 3/16"	60	08834180350
100/box 1,000/case use M-17 mandrel	80 120	08834180653 08834180338
1/2" x 2" x 1/4"	40	08834183168
100/box 1,000/case use M-22 mandrel	80	08834180351
5/8" x 1" x 3/16"	80	08834180364
100/box 1,000/case use M-15 mandrel		
5/8" x 1-1/2" x 1/8"	36	08834180395
100/box 1,000/case use M-9 mandrel	40 50 60 80 120	08834180392 08834180393 08834180275 08834180789 08834180394
5/8" x 1-1/2" x 3/16"	50	08834180381
100/box 1,000/case use M-16 mandrel	60 80	08834180382 08834180383
5/8" x 2" x 1/8"	60	08834182505
100/box 400/case use M-10 mandrel	80	08834181080
5/8" x 2" x 3/16"	50	08834180400
100/box 400/case use M-10 mandrel	60 80 100	08834180401 08834180402 08834180403

## Cartridge and Spiral Rolls

(continued)



### CARTRIDGE ROLLS ALO RESIN BOND (CONTINUED)

DIA. X L. X A.H.	GRIT	PART #
3/4" x 1" x 1/8"	80	08834180469
100/box 1,000/case use m-8 mandrel	120	08834181543
3/4" x 1" x 3/16"	40	08834180456
100/box 1,000/case use M-15 mandrel	80	08834180459
	120	08834180461
3/4" x 1-1/2" x 1/8"	40	08834180069
100/box 400/case use M-9 mandrel	60	08834180490
	80	08834180527
	120	08834180487
3/4" x 1-1/2" x 3/16"	36	08834180474
100/box 400/case use M-16 mandrel	40	08834180475
	50	08834180476
	60	08834180477
	80	08834180478
	100	08834180479
	120	08834180480
	180	08834180482
3/4" x 1-1/2" x 1/4"	36	08834180907
100/box 400/case use M-21 mandrel	60	08834180489
	80	08834180358
	100	08834180523
	120	08834180488
	150	08834182807
3/4" x 2" x 1/8"	60	08834180791
100/box 400/case use M-10 mandrel		
3/4" x 2" x 3/16"	40	08834180494
100/box 400/case use M-17 mandrel	60	08834180496
	80	08834180497
	100	08834180498
	120	08834180499
3/4" x 2" x 1/4"	60	08834180506
100/box 400/case	80	08834181297
use M-22 mandrel	100	08834180509
	120	08834180507

### CARTRIDGE ROLLS ALO RESIN BOND (CONTINUED)

DIA. X L. X A.H.	GRIT	PART #
1" x 1-1/2" x 1/8"	60	08834180580
100/box 400/case use M-9 mandrel	80	08834180584
1" x 1-1/2" x 1/4"	36	08834181195
100/box 400/case use M-21 mandrel	60	08834180587
	80	08834180583
1" x 2" x 3/16"	40	08834180589
100/box 400/case use M-17 mandrel	60	08834180591
	80	08834180592
1" x 2" x 1/4"	60	08834180603
100/box 400/case use M-22 mandrel	80	08834180606
	120	08834180585



### Silicon Carbide Cartridge Rolls and Spiral Rolls

Sharp silicon carbide grain penetrates tough, difficult-to-grind materials. Silicon Carbide cartridge rolls are the product of choice on titanium.

### CARTRIDGE ROLLS SILICON CARBIDE RESIN BOND

DIA. X L. X A.H.	GRIT	PART #
1/4" x 1-1/2" x 1/8"	60	08834183274
100/box 1000/case use M-9 mandrel	80	08834182359
	120	08834189131
3/8" x 1-1/2" x 1/8"	60	08834181309
100/box 1000/case use M-9 mandrel	80	08834180710
	120	66261042229
1/2" x 1-1/2" x 1/8"	60	08834189233
100/box 1000/case use M-9 mandrel	80	08834180712
	120	66261086969

### SPIRAL ROLLS FULL TAPER SILICON CARBIDE RESIN BOND

DIA. X L. X A.H.	GRIT	PART #
3/8" x 1-1/2" x 1/8"	60	08834189901
100/box 1000/case use M-9 mandrel	80	08834189904
	120	66261046936
1/2" x 1-1/2" x 1/8"	60	66261185977
100/box 1000/case use M-9 mandrel	80	08834183460
	120	08834183448

## Cartridge and Spiral Rolls

(continued)



### ALO Spiral Rolls

Especially useful for grinding-polishing of channels, fillets and radii, and deburring small holes.

Full Taper is considered standard and part numbers are listed. Half taper is also available upon request.

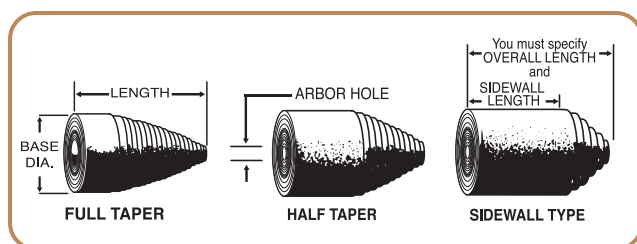
Many operations use cartridge and spiral rolls together. Half glue is standard. Quarter and full glue are also available.

### SPIRAL ROLLS FULL TAPER (ARB) ALO RESIN BOND (CONTINUED)

DIA. X L. X A.H.	GRIT	PART #
3/8" x 1" x 1/8"	60	08834181714
100/box 1,000/case use M-8 mandrel	80	08834181715
	120	08834181717
	180	08834181719
3/8" x 1-1/2" x 1/8"	50	08834181723
100/box 1,000/case	60	08834181724
use M-9 mandrel	80	08834181708
	120	08834181727
	150	08834181728
	180	08834181709
1/2" x 1" x 1/8"	60	08834181734
100/box 1,000/case	80	08834181735
use M-8 mandrel	120	08834181737
	180	08834181739

### SPIRAL ROLLS FULL TAPER (ARB) ALO RESIN BOND (CONTINUED)

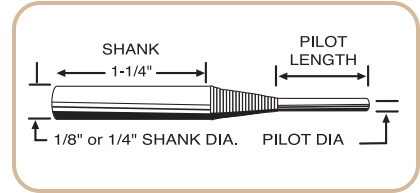
DIA. X L. X A.H.	GRIT	PART #
1/2" x 1-1/2" x 1/8"	36	08834181230
100/box 1,000/case	40	08834181742
use M-9 mandrel	50	08834181743
	60	08834181744
	80	08834181745
	100	08834181746
	120	08834181747
	180	08834181749
	240	08834181750
1/2" x 2" x 1/8"	60	08834181754
100/box 1,000/case	80	08834181755
use M-10 mandrel	120	08834181757
5/8" x 1-1/2" x 1/8"	100	08834181776
100/box 1,000/case	120	08834181777
use M-9 mandrel	240	08834183313
	320	08834181781
5/8" x 1-1/2" x 3/16"	80	08834181444
100/box 1,000/case		
use M-16 mandrel		
3/4" x 1-1/2" x 1/8"	60	08834181286
100/box 1,000/case	80	08834180886
use M-9 mandrel		
3/4" x 1-1/2" x 3/16"	50	08834181807
100/box 1,000/case	60	08834181808
use M-16 mandrel	80	08834181809
	120	08834181811
3/4" x 2" x 3/16"	60	08834181820
100/box 400/case		
use M-17 mandrel		
1" x 1-1/2" x 1/8"	60	08834181240
100/box 400/case		
use M-9 mandrel		
1" x 2" x 3/16"	36	08834181875
100/box 400/case	60	08834181878
use M-17 mandrel	80	08834181879



## Mandrels for Cartridge and Spiral Rolls

### CARTRIDGE & SPIRAL ROLL MANDRELS

MODEL #	PILOT DIA.	PILOT LENGTH	SHANK DIA.	SHANK LENGTH	OVERALL LENGTH	PART #
M-2E	3/32"	3/4"	1/4"	1"	3"	08834183799
M-2	3/32"	1"	1/8"	1"	3"	08834181202
M-3	1/8"	1/2"	1/8"	1"	2-1/2"	08834181203
M-4	1/8"	3/4"	1/8"	1"	2-1/2"	08834181204
M-5	1/8"	1"	1/8"	1"	2-3/4"	08834181205
M-6	1/8"	1-1/2"	1/8"	1"	2-1/2"	08834181206
M-7	1/8"	1/2"	1/4"	1-1/4"	2-1/4"	08834181207
M-8	1/8"	3/4"	1/4"	1-1/4"	2-1/2"	08834181208
M-9	1/8"	1"	1/4"	1-1/4"	2-3/4"	08834181209
M-10	1/8"	1-1/2"	1/4"	1-1/4"	3-1/4"	08834181210
M-11	1/8"	2"	1/4"	1-1/4"	4"	08834181211
M-12	3/16"	1/2"	1/8"	1-1/4"	2-1/4"	08834181212
M-13	3/16"	3/4"	1/8"	1-1/4"	2-1/2"	08834181213
M-14	3/16"	1/2"	1/4"	1-1/4"	2-1/2"	08834181214
M-15	3/16"	3/4"	1/4"	1-1/4"	2-3/4"	08834181215
M-16	3/16"	1"	1/4"	1-1/4"	3"	08834181216
M-17	3/16"	1-1/2"	1/4"	1-1/4"	3-1/2"	08834181217
M-18	3/16"	2"	1/4"	1-1/4"	4"	08834181218
M-19	1/4"	1/2"	1/4"	1-1/4"	2-1/2"	08834181219
M-20	1/4"	3/4"	1/4"	1-1/4"	2-3/4"	08834181220
M-21	1/4"	1"	1/4"	1-1/4"	3"	08834181221
M-22	1/4"	1-1/2"	1/4"	1-1/4"	3-1/2"	08834181222
M-23	1/4"	2"	1/4"	1-1/4"	4"	08834181223
M-24	5/16"	3/4"	1/4"	1-1/4"	2-3/4"	08834181224
M-25	5/16"	1"	1/4"	1-1/4"	3"	08834181225
M-26	5/16"	1-1/2"	1/4"	1-1/4"	3-1/2"	08834181226
M-27	5/16"	2"	1/4"	1-1/4"	4"	08834181227



### RECOMMENDED PILOT LENGTH FOR MANDRELS

3/4" Roll Length	use 1/2" Pilot
1" Roll Length	use 3/4" Pilot
1-1/2" Roll Length	use 1" Pilot
2" Roll Length	use 1-1/2" Pilot



### Blaze Cartridge Roll Test Kit

Kit includes a variety of our new Blaze Cartridge Rolls, Spiral Rolls and mandrels in popular sizes and grits.

**Part # 66261066726**

### EXTRA SHANK LENGTH MANDRELS

MODEL #	SHANK LENGTH	OVERALL LENGTH	PART #
M-8-4	4"	5-1/4"	08834180116
M-8-6	6"	7-1/4"	08834180122
M-9-2.5	2-1/2"	4"	08834180096
M-9-3	3"	4-1/2"	08834180129
M-9-4	4"	5-1/2"	08834180074
M-9-6	6"	7-1/2"	08834180131
M-9-8	8"	9-1/2"	08834180133
M-10-4	4"	6"	08834180092
M-10-6	6"	8"	08834180145

ALL EXTRA LENGTH SHANKS 1/4" DIAMETER



### Cartridge Roll Test Kit "CR"

Includes over 120 pieces of our most popular sizes, grits and shapes with their appropriate mandrels.

**Part # 08834181061**

## Square Pads

With Merit's square pads, corners wear down consistently exposing fresh abrasive — the pad becomes round for less stock removal. Grind almost as fast as hard wheels, but are much smoother and easier to control. For quick grind blending of channels, fillets, corners, or spotting flat surfaces.

SQUARE PADS ALO RESIN BOND			
L. X W. X THICK	EYELET	GRIT	PART #
1" x 1" x 6 ply 100/box 1,000/case	8-32	80	08834184826
1" x 1" x 8 ply 100/box 1,000/case	8-32	60 80 120	08834184828 08834184124 08834184994
1-1/2" x 1-1/2" x 1/2" 100/box 400/case	1/4-20	60 80	08834184463 08834184125
2" x 2" x 1/2" 100/box 400/case	1/4-20	60 80	08834184334 08834184397
2" x 2" x 3/4" 100/box 400/case	1/4-20	50 80	08834184487 08834184394
3" x 3" x 1/4" 100/box 400/case	1/4-20	80	08834184882
3" x 3" x 1/2" 100/box 400/case	1/4-20	50 60 80	08834182152 08834182057 08834184336

QUICK-CHANGE MANDRELS FOR SQUARE PADS ARE SHOWN ON PAGE 62.

MAXIMUM RPMs	
1" dia.	25,000 maximum rpm
1-1/2" dia. to 2" dia.	18,000 - 23,000 maximum rpm
2-1/2" dia.	14,000 - 18,000 maximum rpm
3" dia.	12,000 - 14,000 maximum rpm
4" dia.	8,000 - 12,000 maximum rpm
5" dia. to 6" dia.	5,500 - 7,500 maximum rpm

**Tip** Square Pads are the ideal choice for grinding down weld beads in applications where access is limited.





## Cross Pads

The shape of Merit's cross pads enables you to see through to the contact area providing greater flexibility than square pads. Used for close-tolerance polishing small radii and channels, deburring, and finishing of bell-mouth configurations. All pads are furnished with standard quick-change eyelet, as listed. Plain hole sizes must be specified.



### CROSS PADS ALO RESIN BOND

L. X W. X THICK-PLY	EYELET	GRIT	PART #
3/4" x 3/4" x 3/8" 8ply 100/box 1,000/case	3-48	80	08834185578
1" x 1" x 3/8" 8ply 100/box 1,000/case	3-48	60	08834184943
		80	08834185519
		100	08834184195
		120	08834185164
1-1/2" x 1-1/2" x 1/2" 8ply 100/box 1,000/case	8-32	60	08834184258
		80	08834184465
		100	08834182196
		120	08834182148
2" x 2" x 1/2" 8ply 100/box 1,000/case	8-32	60	08834182156
		80	08834182157
		120	08834182132
2" x 2" x 3/4" 8ply 100/box 400/case	8-32	60	08834184128
		80	08834184194
		120	08834184285
2" x 2" x 1" 8ply 100/box 400/case	8-32	120	08834184805

QUICK-CHANGE MANDRELS FOR CROSS PADS ARE SHOWN ON PAGE 62.

### CROSS PADS ALO RESIN BOND (CONTINUED)

L. X W. X THICK-PLY	EYELET	GRIT	PART #
2-1/4" x 2-1/4" x 1/2" 8ply 100/box 400/case	8-32	80	08834184402
2-1/2" x 2-1/2" x 3/4" 8ply 100/box 400/case	8-32	80	08834184206
		120	08834184074
3" x 3" x 1" 8ply 100/box 400/case	1/4-20	60	08834182135
		80	08834184119
		120	08834184116
3" x 3" x 1" 10ply 100/box 400/case	1/4-20	80	08834182140
		80	08834182184
3" x 3" x 1-1/2" 10ply 100/box 400/case	1/4-20	80	08834182184
		60	08834184142
		80	08834184135
4" x 4" x 1" 8ply 100/box 400/case	1/4-20	120	08834184377
		80	08834184129
4" x 4" x 1-1/2" 8ply 100/box 400/case	1/4-20	120	08834184370



**Efficient tool  
for breaking  
and finishing a  
radius.**



**Cross pad design  
allows flexibility  
to conform to  
variable I.D.'s.**

## Overlap Slotted Discs

Used for deburring and polishing radii, holes and cylinder walls. Our "2 to a set" configuration cuts on the inward motion only, while "4 to a set" configuration, assembled back to back, cuts on both the inward and outward motions. All discs are furnished with standard Quick-Change eyelet. Plain hole sizes must be specified.



### OVERLAP SLOTTED DISCS ALO RESIN BOND

DIA.	EYELET	GRIT	PART #
1"	8-32	60	08834184346
		80	08834184019
		100	08834184224
		120	08834184151
		180	08834185078
100/box			
1,000/case			
1-1/4"	8-32	60	08834184270
		80	08834184065
		100	08834184291
		120	08834184084
		180	08834184066
100/box			
1,000/case			
1-1/2"	8-32	60	08834184066
		80	08834184079
		100	08834184279
		120	08834186035
		180	08834184498
100/box			
1,000/case			
1-3/4"	8-32	60	08834184655
		80	08834184042
100/box			
1,000/case			
2"	8-32	80	08834184076
		100	08834184145
100/box			
1,000/case			

### OVERLAP SLOTTED DISCS ALO RESIN BOND (CONTINUED)

DIA.	EYELET	GRIT	PART #
2-1/2"	8-32	80	08834184444
		100	
100/box			
400/case			
3"	1/4-20	50	08834184818
		60	08834184041
		80	08834184077
		100	08834184082
		120	08834184344
100/box			
400/case			
4"	1/4-20	60	08834184000
		100	08834184159
		120	08834185155
100/box			
400/case			
4-1/2"	1/4-20	120	08834184431
		100	
100/box			
400/case			
5"	1/4-20	100	08834184302
		100	
100/box			
400/case			

\*2 PER SET.  
QUICK-CHANGE MANDRELS FOR OVERLAP SLOTTED DISCS ARE SHOWN ON  
PAGE 62.

**MERIT**  
**BLAZE**

Step up to the performance of Merit Blaze Square Pads,  
Cross Pads and Overlap Slotted Discs, page 53.

## Overlap Slotted Discs (continued)



Overlap slotted disc design enables you to finish on both inward and outward action using 4 per set.



Deburs and polishes radii and cylinder walls.

### OVERLAP SLOTTED DISCS ALO RESIN BOND (4 PER SET)

DIA.	EYELET	GRIT	PART #
1"	8-32	80	08834184085
100/box 1,000/case		120	08834184236
1-1/2"	8-32	100	08834184023
100/box 1,000/case			

All overlap slotted discs are also available reinforced with a fiber washer.

### MAXIMUM RPM'S

1" dia.	25,000 maximum RPM
1-1/2" dia. to 2" dia.	18,000 - 23,000 maximum RPM
2-1/2" dia.	14,000 - 18,000 maximum RPM
3" dia.	12,000 - 14,000 maximum RPM
4" dia.	8,000 - 12,000 maximum RPM
5" dia. to 6" dia.	5,500 - 7,500 maximum RPM



Extended Mandrel

### Quick-Change Mandrel Sizes

#### OVERLAP SLOTTED DISCS, SQUARE AND CROSS PAD QUICK-CHANGE MANDRELS

CROSS PAD SIZE DIA.	SQUARE PAD SIZE DIA.	OAL	MODEL #	THD. SIZE	PART #
1/4", 3/8", and 1/2" wide		2-1/2	MM48-4	3-48"	08834183162
3/4", 1" wide	Up thru 1-1/2" sq. x 1/2" thick 2" sq. x 1/4" or 3/8" thick	3	MM32-4	8-32"	08834183163
		4	MM-32-4-4	8-32"	08834121680
		6	MM-32-4-6	8-32"	08834121681
All pads 2-1/2" x 1-1/2" and larger	2" sq. x 1/4" or 1/2" thick and larger	3	MM20-4	1/4-20"	08834183164



## ALO Resin Bond Bore Polishers



### B-3 Series

- For 5/8" to 1" interior diameter bores
- 3 abrasive packs 1-1/2" wide, bonded to hub
- Use with QC-5 mandrel #08834154182



### B-4 Series

- For 1" to 4" interior diameter bores
- 4 abrasive packs 1-1/2" wide, bonded to hub
- Use with BPM-4 mandrel #08834154183



### B-8 Series

- For 2" to 5-7/8" interior diameter bores.
- 8 abrasive packs 1-1/2" wide, bonded to hub
- Use with BPM-8 mandrel #08834154184

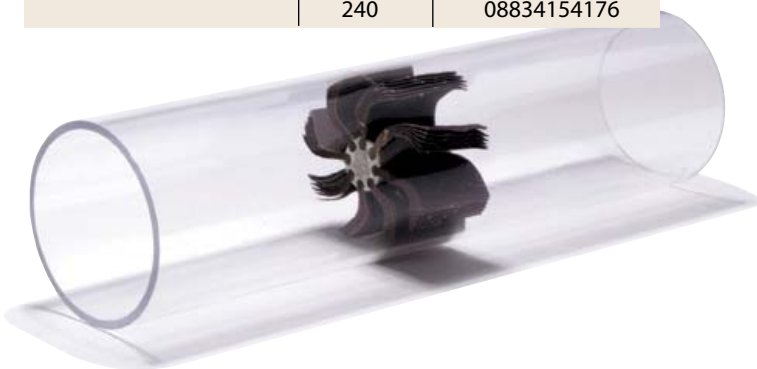
### BORE POLISHERS ALO RESIN BOND

DESCRIPTION	GRIT	PART #
B-305	60	08834154190
10/box 100/case	80	08834154191
25,000 RPM	120	08834154193
Fits I.D. 5/8" to 1"	180	08834154195
	240	08834154197
B-405	60	08834154091
10/box 100/case	80	08834154092
22,000 RPM	120	08834154093
Fits I.D. 1" to 1-1/2"	180	08834154094
B-410	60	08834154100
10/box 100/case	80	08834154101
20,000 RPM	120	08834154102
Fits I.D. 1-1/2" to 2"	180	08834154103
	240	08834154104
B-415	60	08834154109
10/box 100/case	80	08834154110
16,000 RPM	120	08834154111
Fits I.D. 2-1/8" to 2-1/2"	180	08834154112
	240	08834154113
B-420	60	08834154118
10/box 100/case	80	08834154119
15,000 RPM	120	08834154120
Fits I.D. 2-1/2" to 3"	180	08834154121
	240	08834154122
B-425	60	08834154127
10/box 50/case	80	08834154128
10,000 RPM	120	08834154129
Fits I.D. 3-1/8" to 4"	180	08834154130
	240	08834154131

### BORE POLISHERS ALO RESIN BOND (CONTINUED)

DESCRIPTION	GRIT	PART #
B-810	60	08834154136
10/box 100/case	80	08834154137
16,000 RPM	120	08834154138
Fits I.D. 2" to 2-1/2"	180	08834154139
	240	08834154140
B-815	60	08834154145
10/box 50/case	80	08834154146
15,000 RPM	120	08834154147
Fits I.D. 2-5/8" to 3"	180	08834154148
	240	08834154149
B-820	60	08834154154
10/box 50/case	80	08834154155
10,000 RPM	120	08834154156
Fits I.D. 3-1/8" to 4"	180	08834154157
	240	08834154158
B-825	60	08834154163
10/box 50/case	80	08834154164
8,000 RPM	120	08834154165
Fits I.D. 4-1/4" to 5-1/4"	180	08834154166
	240	08834154167
B-830	60	08834154172
10/box 50/case	80	08834154173
8,000 RPM	120	08834154174
Fits I.D. 5-1/4" to 5-7/8"	180	08834154175
	240	08834154176

**Clean, deburr and polish  
interior diameters of cylinders.**





## Scored ALO Resin Bond Bore Polishes

### BORE POLISHERS SCORED – ALO RESIN BOND

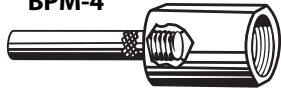
Available Upon Request

## Mandrels for Bore Polishes

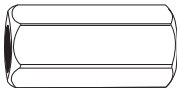
QC-5



BPM-4



QC-5 ext



BPM-8

### MANDRELS FOR BORE POLISHERS

DESCRIPTION	MODEL #	THREAD	PART #
For B-3 Series	QC-5	5/16"-18	08834154182
For B-4 Series	BPM-4	1/2"-20	08834154183
For B-8 Series	BPM-8	1/4"-20	08834154184
QC-5 Ext.	QC-5 Ext.	5/16"-18	08834150573



### EXTENSION MANDRELS FOR BORE POLISHERS – 1/4-20 THD

DIA. X L	MODEL #	PART #
1/4" x 4"	EM-144	08834154185
1/4" x 6"	EM-146	08834154186
1/4" x 8"	EM-148	08834154187



## Interleaf Bore Polishes

### Interleaf Bore Polishes

Merit's Interleaf Bore Polishes are designed to do double duty. They are designed to polish and finish in one easy application. The abrasive flap cuts while the Abrasotex interleaf works down to a fine finish. It's the perfect performer when close tolerances must be maintained while giving the interior a polished finish.

### INTERLEAF BORE POLISHERS

DESCRIPTION	GRIT	PART #
B-405 Interleaved Fits ID 1" to 1-1/2" 10/box 100/case 22,000 RPM	80 180	08834150271 08834150273
B-410 Interleaved Fits ID 1-1/2" to 2" 10/box 100/case 20,000 RPM	80	08834150275



### Test Kit "BP"

Contains 10 Bore Polishes, 2 Mini Grind-O-Flex wheels in assorted sizes and grits for finishing 1" to 5" interior diameters, and mandrels for 1/4" chuck.

Part # **08834154181**

## Tapered Cone Points and Mandrels



### Tapered Cone Points

Tapered cone points are similar to cartridge rolls but their shape lends greater accessibility to many difficult-to-reach work areas. This product can be used for deburring holes and in close tolerance work areas. Popular sizes and mandrels are listed, with additional sizes available upon request.

## Rubber Expanding Drums for Spiral Bands



### ALO RESIN BOND TAPERED CONE POINTS

DIA. X L. X TAPER	GRIT	PART #
B-20	80	08834180873
5/16" x 1-1/2" x 5°	100	08834182043
100/box 1,000 /case	120	08834182717
500 piece minimum	150	08834186890
	180	08834182535
	240	08834182044
	320	08834182537
K-110 or K-11	50	08834186892
3/16" x 1" x 2-1/2°	60	08834186893
100/box 1,000/case	80	08834180918
500 piece minimum	100	08834182197
	120	08834182199
	150	08834182200
	180	08834186894
	240	08834186895

### RUBBER EXPANDING DRUMS

DIA. X W. X SK.	RPM	PART #
1/4" x 1/2" x 1/8"	30,000	08834196030
3/8" x 1/2" x 1/8"	30,000	08834196944
3/8" x 1" x 1/8"	18,000	08834196011
1/2" x 1/2" x 1/4"	30,000	08834196904
1/2" x 3/4" x 1/4"	25,000	08834196905
1/2" x 1" x 1/4"	15,000	08834196906
1/2" x 1-1/2" x 1/4"	12,000	08834196907
1/2" x 2" x 1/4"	10,000	08834196908
3/4" x 1/2" x 1/4"	27,000	08834196909
3/4" x 3/4" x 1/4"	24,000	08834196910
3/4" x 1" x 1/4"	17,000	08834196911
3/4" x 1-1/2" x 1/4"	10,000	08834196912
3/4" x 2" x 1/4"	10,000	08834196913
1" x 1/2" x 1/4"	20,000	08834196914
1" x 3/4" x 1/4"	19,000	08834196915
1" x 1" x 1/4"	18,000	08834196916
1" x 1-1/2" x 1/4"	10,000	08834196917
1" x 2" x 1/4"	8,000	08834196918
1-1/2" x 1/2" x 1/4"	16,000	08834196123
1-1/2" x 3/4" x 1/4"	15,000	08834196920
1-1/2" x 1" x 1/4"	12,000	08834196921
1-1/2" x 1-1/2" x 1/4"	10,000	08834196922
1-1/2" x 2" x 1/4"	8,000	08834196923
2" x 1/2" x 1/4"	12,000	08834196924
2" x 3/4" x 1/4"	12,000	08834196925
2" x 1" x 1/4"	11,000	08834196926
2" x 1-1/2" x 1/4"	8,000	08834196927
2" x 2" x 1/4"	6,000	08834196928
3" x 1" x 3/8"	3,000	08834196929
3" x 2" x 3/8"	3,000	08834196930
3" x 3" x 3/8"	3,000	08834196931



### Cone Point Mandrel

Use with tapered cone points.

### CONE POINT MANDREL

DESCRIPTION	SHANK	PART #
A-10	1/4"	08834181300
B-20	1/4"	08834181301
C-30	1/4"	08834181302
D-40	1/4"	08834181303
E-50	1/4"	08834181304
F-60	1/4"	08834181305
G-70	1/4"	08834181306
H-80	1/4"	08834181307
I-90	1/4"	08834181308
K-110	1/8"	08834181310



## Spiral Bands

### Aluminum Oxide Resin Bond

- Spiral construction avoids shadow marks and provides smooth cutting action.
- Achieve close tolerances when finishing curved or contoured areas and hard-to-reach areas
- Fast cutting and removes toughest metal
- Sleeves are easily removed and replaced

### SPIRAL BANDS – ALUMINUM OXIDE RESIN BOND

GRIT	1/4" X 1/2"	1/4" X 1"	3/8" X 1/2"	3/8" X 1"	1/2" X 1/2"	1/2" X 1"
24	-	-	-	-	08834196732	08834196712
36	-	-	-	08834197674	08834196619	08834196591
40	08834196614	-	-	-	08834196234	08834196174
50	08834196292	08834196785	08834196386	-	08834196228	08834196214
60	08834196342	08834196886	08834196829	08834196999	08834196068	08834196212
80	08834196269	08834196733	08834196512	08834196645	08834196179	08834196215
100	08834196511	08834196734	08834196513	-	08834196189	08834196534
120	08834196217	08834197004	08834196747	08834196218	08834196069	08834196210
150	08834196327	-	-	-	08834196211	08834196772
180	08834196490	-	08834196504	-	08834196209	08834196713
240	-	-	08834196481	-	08834196564	08834196814
320	08834196865	-	08834196830	-	08834196505	08834196487
PKG QTY. MOQ N/S	100/box 400	100/box 400	100/box 300	100/box 300	100/box 300	100/box 300

### SPIRAL BANDS – ALUMINUM OXIDE RESIN BOND (CONTINUED)

GRIT	1/2" X 1-1/2"	1/2" X 2"	3/4" X 1/2"	3/4" X 3/4"	3/4" X 1"	3/4" X 1-1/2"
24	-	08834197217	08834196345	08834196613	08834196776	08834196596
36	08834196237	08834196758	08834196769	08834196609	08834196261	08834196238
40	-	08834196825	08834196605	08834196236	08834196517	08834196227
50	08834197111	08834196548	08834196608	08834196183	08834196515	08834196500
60	08834196053	08834196549	08834196578	08834196168	08834196070	08834196554
80	08834196646	08834196669	08834196255	08834196161	08834196071	08834196249
100	08834196540	08834196735	08834196567	08834196230	08834196502	08834196501
120	08834196324	08834196736	08834196579	08834196226	08834196219	08834196057
150	-	-	08834196631	08834196231	08834196822	08834196606
180	-	-	08834197116	08834196056	08834196565	08834196851
240	-	-	08834196603	08834196859	08834196668	-
320	-	-	08834196806	-	08834196624	08834199664
PKG QTY. MOQ N/S	100/box 300	100/box 200	100/box 300	100/box 300	100/box 300	100/box 300



## SPIRAL BANDS – ALUMINUM OXIDE RESIN BOND (CONTINUED)

GRIT	3/4" X 2"	1" X 1/2"	1" X 1"	1" X 1-1/2"	1" X 2"	1" X 3"
24	-	-	08834196563	08834196708	08834196709	08834197806
36	08834196953	08834196058	08834196072	08834196525	08834196267	08834196665
40	08834196826	-	08834196073	08834196546	08834196689	-
50	08834196757	-	08834196184	08834196078	08834196588	08834197688
60	08834196745	08834196580	08834196075	08834196060	08834196506	08834196676
80	08834196756	08834196647	08834196074	08834196162	08834196268	08834196195
100	08834196766	08834196157	08834196167	08834196257	08834196750	08834196445
120	08834196746	08834197592	08834196177	08834196677	08834196507	08834196197
150	08834197283	-	08834196686	08834197639	08834197664	08834197995
180	-	08834196395	08834196059	08834196790	08834196987	08834196356
240	08834197707	08834197287	08834196178	08834196526	08834197254	-
320	-	-	08834196789	08834197700	-	-
PKG QTY. MOQ N/S	100/box 200	100/box 200	100/box 300	100/box 200	100/box 200	100/box 100

## SPIRAL BANDS – ALUMINUM OXIDE RESIN BOND (CONTINUED)

GRIT	1-1/2" X 1"	1-1/2" X 1-1/2"	1-1/2" X 2"	1-1/2" X 3"	2" X 1"	2" X 1-1/2"
24	08834196684	08834196220	08834196539	-	08834196841	08834196700
36	08834196222	08834196164	08834196657	08834197063	08834196233	08834196509
40	08834196223	08834196171	08834196598	-	08834196109	08834196514
50	08834196185	08834196176	08834196252	-	08834196186	08834196527
60	08834196503	08834196091	08834196067	08834196703	08834196232	08834196978
80	08834196254	08834196165	08834196533	08834196809	08834196166	08834196259
100	08834196216	08834196182	08834196543	08834196522	08834196508	08834196521
120	08834196707	08834196066	08834196079	08834196343	08834196595	08834196586
150	08834196989	08834197750	08834197376	-	-	-
180	-	08834196535	-	08834197869	08834197983	08834196536
240	08834196491	08834196260	08834197709	-	-	-
320	08834196063	08834197647	-	-	-	-
PKG QTY. MOQ N/S	100/box 300	100/box 200	100/box 200	100/box 100	100/box 200	100/box 200

## SPIRAL BANDS – ALUMINUM OXIDE RESIN BOND (CONTINUED)

GRIT	2" X 2"	2" X 3"	2-1/4" X 3"	3" X 1"	3" X 1-1/2"	3" X 2"	3" X 3"
24	08834196516	08834197903	-	08834196795	08834197056	08834196263	08834196256
36	08834196110	08834196827	08834197140	08834196717	08834196802	08834196545	08834196262
40	08834196172	08834196151	08834197258	08834196755	-	08834196090	08834196555
50	08834196187	08834196152	08834196620	08834196666	-	08834196264	08834196253
60	08834196173	08834196175	08834196794	08834196150	08834196719	08834196530	08834196188
80	08834196181	08834196198	08834196270	08834196524	08834196633	08834196265	08834196159
100	08834196193	08834196199	-	08834196831	-	-	08834196250
120	08834196585	08834196200	08834196729	08834196089	08834196696	08834196531	08834196572
150	08834196629	-	08834195857	-	08834197536	-	08834196452
180	08834196306	-	-	-	-	08834196472	08834196131
240	08834196375	-	-	-	-	-	08834196574
320	08834196628	-	08834195825	-	-	-	08834197968
PKG QTY. MOQ N/S	100/box 200	100/box 100	100/box 100	100/box 200	100/box 200	100/box 100	100/box 100



**Whether you need to clean and remove imperfections on metal surfaces, clean built-up residue, deburr or finish a variety of surfaces, blend weld seams or create decorative finishes, Merit Abrasotex non-woven surface finishing products have the versatility to tackle the job.**

Made from non-woven synthetic fiber mesh, which is impregnated with abrasives and bound with resins, Abrasotex is available in a number of hard-working products — including surface preparation discs, buffing discs, solid wheels, disc wheels, belts, rolls and Interleaved wheels. Abrasotex is also offered in hand pads for premium, general purpose, heavy-duty, super finishing or general purpose scouring.

Grit sizes range from ultra-fine to coarse. Abrasotex's open mesh construction is waterproof, washable, conformable and non-loading. Abrasotex is designed for surface generation where stock removal is not required. Abrasotex is available in both aluminum oxide and silicon carbide.





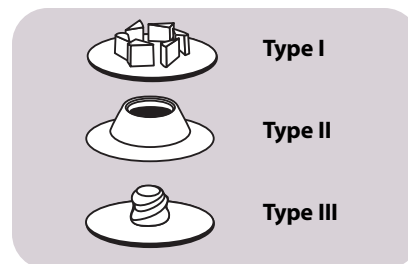
## Surface Preparation Discs

### PowerLock Discs

Made with a thick layer of abrasive grain bonded to a reinforced non-woven nylon backing, making them more rigid and aggressive than buffing discs. They are the product of choice for most blending, cleaning and light deburring operations.

### SURFACE PREPARATION DISCS – TYPE XC

DIA.	GRADE	TYPE I	TYPE II	TYPE III
3/4"	V-Fine	08834166234	08834166237	08834166240
100/box	Medium	08834166235	08834166238	08834166241
1,000/case	Coarse	08834166236	08834166239	08834166242
1"	V-Fine	08834166243	08834166476	08834160754
100/box	Medium	08834166246	08834166475	08834167368
1,000/case	Coarse	08834161710	08834166474	08834166248
1-1/2"	V-Fine	08834166336	08834166409	08834166367
100/box	Medium	08834166335	08834166408	08834166380
1,000/case	Coarse	08834166334	08834166407	08834166366
2"	V-Fine	08834166273	08834166317	08834166318
50/box	Medium	08834166272	08834166288	08834166290
500/case	Coarse	08834166271	08834166287	08834166289
3"	V-Fine	08834166277	08834166321	08834166323
25/box	Medium	08834166276	08834166320	08834166291
250/case	Coarse	08834166275	08834166319	08834166322
4"	V-Fine	08834166300	08834166390	08834166329
25/box	Medium	08834166299	08834166389	08834166328
100/case	Coarse	08834166298	08834166388	08834166327



### SURFACE PREPARATION DISCS – TYPE GD

DIA.	GRADE	TYPE I	TYPE II	TYPE III
3/4"	V-Fine	08834163847	08834163639	08834166211
100/box	Medium	08834163846	08834163638	08834166212
1,000/case	Coarse	08834163845	08834163637	08834166231
1"	V-Fine	08834166199	08834163642	08834163852
100/box	Medium	08834166200	08834163641	08834163851
1,000/case	Coarse	08834166201	08834163640	08834163850
1-1/2"	V-Fine	08834163050	08834163589	08834163516
100/box	Medium	08834163049	08834163590	08834163515
1,000/case	Coarse	08834163048	08834164736	08834163540
2"	V-Fine	08834163041	08834162908	08834162914
50/box	Medium	08834163040	08834162907	08834162913
500/case	Coarse	08834163039	08834162906	08834162912
3"	V-Fine	08834163047	08834162911	08834162917
25/box	Medium	08834163046	08834162910	08834162916
250/case	Coarse	08834163045	08834162909	08834162915
4"	V-Fine	08834166440	08834166443	08834166446
25/box	Medium	08834166441	08834166444	08834166447
100/case	Coarse	08834166442	08834166445	08834166448

### Tip

**XC discs** produce an excellent initial cut with outstanding life.

**GD discs** provide consistent cut and finish.

**AG discs** are our longest lasting, high performance solution. Made with a more aggressive material, ideal for heavier deburring and finishing applications.

## Surface Preparation Discs (continued)



### Surface Preparation Discs Type AG

Merit's "AG" Surface Preparation Disc is a high performance, longer lasting solution to your standard surface prep disc. Because it is a high performance disc, the "AG" material is more aggressive, which makes it perfect for heavier deburring and finishing applications.

#### POWER-LOCK SURFACE PREP – TYPE AG

DIA.	GRADE	TYPE II	TYPE III
2"	Coarse	08834167821	08834167825
50/box	Medium	08834167822	08834167826
500/case			
3"	Coarse	08834167823	08834167827
25/box	Medium	08834167824	08834167828
250/case			



### Surface Preparation Stars

The perfect item for I.D. work. Their shape enables you to penetrate the I.D. and polish or clean the surface without disturbing any tolerances. Available with 1/4-20 eyelets for ease of adapting on Merit's MM20-4, #08834183164, mandrels.

#### SURFACE PREPARATION STARS

DIA. X EYE	GRADE	PART #
1-1/2" x 1/4"-20	V-Fine	08834185925
100/box	Medium	08834185924
400/case	Coarse	08834185923
2" x 1/4"-20	V-Fine	08834185928
100/box	Medium	08834185927
400/case	Coarse	08834185926
3" x 1/4"-20	V-Fine	08834185931
100/box	Medium	08834185678
400/case	Coarse	08834185929
4" x 1/4"-20	V-Fine	08834185934
100/box	Medium	08834185933
400/case	Coarse	08834185932

#### QUICK-CHANGE DISCS TYPE GD 5/8-11 FASTENER

DIA.	GRADE	PART #
5"	V-Fine	08834166413
50/box	Medium	08834166412
500/case	Coarse	08834166411
7"	V-Fine	08834166416
25/box	Medium	08834166415
250/case	Coarse	08834166414

#### QUICK-CHANGE DISCS TYPE AG 5/8-11 FASTENER

DIA.	GRADE	PART #
5"	Medium	08834168802
50/box	Coarse	08834164631
500/case		
7"	Medium	66261039943
25/box	Coarse	69957350152
250/case		



## HOOK & LOOP SURFACE PREP – TYPE AG

DIAMETER	GRIT/ABRASIVE	COLOR	PART NO.
ATD-5"	Coarse A/O	Brown	08834168757
25/box	Medium A/O	Maroon	08834168200
ATD-7"	Coarse A/O	Brown	08834167644
25/box	Medium A/O	Maroon	08834167645

## HOOK & LOOP – TYPE GD SURFACE PREPARATION DISCS



DIAMETER	GRIT/ABRASIVE	COLOR	PART NO.
ATD-2	Coarse A/O	Brown	05539562621
2" x 0"	Medium A/O	Maroon	05539562620
80 discs/case	Very Fine A/O	Blue	05539562619
ATD-3	Coarse A/O	Brown	05539562624
3" x 0"	Medium A/O	Maroon	05539562623
60 discs/case	Very Fine A/O	Blue	05539562622
ATD-4	Coarse A/O	Brown	05539512515
4" x 0"	Medium A/O	Maroon	05539512514
40 discs/case	Very Fine A/O	Blue	05539512513
ATD-4-1/2	Coarse A/O	Brown	05539520420
4-1/2" x 0"	Medium A/O	Maroon	05539520419
40 discs/case	Very Fine A/O	Blue	05539520418
ATD-5	Coarse A/O	Brown	05539512519
5" x 0"	Medium A/O	Maroon	05539512518
40 discs/case	Very Fine A/O	Blue	05539512517
ATD-6	Coarse A/O	Brown	05539512522
6" x 0"	Medium A/O	Maroon	05539512521
30 discs/case	Very Fine A/O	Blue	05539512520
ATD-7	Coarse A/O	Brown	05539512525
7" x 0"	Medium A/O	Maroon	05539512524
25 discs/case	Very Fine A/O	Blue	05539512523
ATD-8	Coarse A/O	Brown	05539562627
8" x 0"	Medium A/O	Maroon	05539562626
20 discs/case	Very Fine A/O	Blue	05539562625

## Hook & Loop Surface Preparation Discs and Holders

Merit Hook & Loop Surface Preparation discs are designed to deliver a consistent finish with long life in your cleaning, deburring, and finishing operations. Hook & Loop fastening system for fast and easy disc mounting and removal.

## HOOK & LOOP HOLDERS

DESCRIPTION	RPM	PART #
ATH-1-1/2" x 1/4" SK.	25,000	08834168024
ATH-2" x 1/4" SK.	23,000	08834168025
ATH-3" x 1/4" SK.	20,000	08834168026
ATH-4" x 1/4" SK.	13,000	08834168027
ATH-4" x 1/2"-13 THD.	13,000	05539562714
ATH-4-1/2" x 5/8"-11	10,000	05539562718
ATH-5" x 1/4" SK.	10,000	08834168993
ATH-4" x 5/8"-11 THD.	13,000	08834168984
ATH-5" x 1/2"-13 THD.	10,000	08834168028
ATH-5" x 5/8"-11 THD.	10,000	08834168967
ATH-6" x 5/8"-11 THD.	8,000	05539562723
ATH-7" x 5/8"-11 THD.	6,000	08834168032





## Buffing Discs

- A non-woven nylon fiber impregnated with abrasive and laminated to PowerLock nylon backing.
- Permit higher grinding speeds without fly-offs
- Produce a consistently uniform finish
- Longer lasting

### POWERLOCK BUFFING DISCS

DIA.	GRADE	TYPE I	TYPE II	TYPE III
1-1/2"	V-Fine	08834166333	08834166406	08834166417
100/box	Fine	08834166332	08834166393	08834166369
1,000/case	Medium	08834166292	08834166392	08834166368
	Coarse	08834166294	08834166391	08834161647
2"	V-Fine	08834166282	08834166405	08834166305
50/box	Fine	08834166281	08834166396	08834166304
500/case	Medium	08834166280	08834166395	08834166303
	Coarse	08834161627	08834166394	08834161649
3"	V-Fine	08834166286	08834166403	08834166310
25/box	Fine	08834166285	08834166399	08834166309
100/case	Medium	08834166284	08834166398	08834166308
	Coarse	08834166293	08834166397	08834161651
4"	V-Fine	08834166297	08834166404	08834166316
25/box	Fine	08834166296	08834166402	08834166315
100/case	Medium	08834166295	08834166401	08834166314
	Coarse	08834161652	08834166400	08834161654

### PowerLock Buffing Discs

This product incorporates high performance fiber blends with flexible resin technology. Designed for light removal of paint or rust without affecting the base product.



### POWERLOCK HIGH-STRENGTH BUFFING DISCS

DIA.	GRADE	TYPE II	TYPE III
2"	V-Fine	08834164245	08834163987
50/box	Medium	08834164244	08834164064
500/case			
3"	V-Fine	08834164255	08834163559
25/box	Medium	08834164252	08834164065
100/case			

QUICK-CHANGE HOLDERS ARE SHOWN ON PAGE 74.

### PowerLock High-Strength Buffing Discs

Tough, yet conformable, high-strength discs are smear-proof and resist tearing on burrs and sharp edges.

## Buffing Discs (continued)

HIGH STRENGTH BUFFING DISCS		
DESCRIPTION	GRADE	PART #
<b>WITH ARBOR HOLE</b>		
6" x 1/2" A.H. 25/box	V-Fine	08834162411
	Fine	08834167735
	Medium	08834162410
8" x 1/2" A.H. 25/box	V-Fine	08834162413
	Fine	08834167742
	Medium	08834162412
12" x 1-1/4" A.H. 25/box	V-Fine	08834168855
	Fine	08834167750
	Medium	08834168554

### High Strength Buffing Discs

Merit's high strength buffing discs are manufactured with an extremely durable non woven nylon web and are an ideal choice for demanding finishing and deburring applications.

#### Applications:

- Deburring
- Weld Blend
- Removal of heat discoloration
- Radius of edges
- Oxide removal

#### Advantages:

- Durability
- Long Life
- Uniform Finish
- Resists Loading



**Note: Discs should be used with appropriate flanges**

CROSS BUFFS			
DIA. X WIDTH	PLY	GRADE	PART #
<b>REGULAR</b>			
1-1/2" x 1/2"	2	Coarse	08834188761
	2	Medium	08834187312
1000/case	2	V-Fine	08834188585
	3	Coarse	08834187278
	3	Medium	08834187311
	3	V-Fine	08834188586
<b>HIGH STRENGTH</b>			
1-1/2" x 1/2"	2	Medium	08834189306
	2	V-Fine	08834189307
1000/case	3	Medium	08834189308
	3	V-Fine	08834189309

ALL CROSS BUFFS COME WITH 8-32 EYELET.



### Cross Buffs

Merit Cross Buffs offer a unique design with durable non-woven construction which lends itself to longer life and cool running. Excellent for blend and polish and ID usage.



### PowerLock Felt Polishing Discs

Made from a white, non-abrasive, dense material that makes them an ideal choice for final polishing applications. Can be used with or without polishing compounds.

POWERLOCK FELT POLISHING DISCS	
DIA.	TYPE III
2"	08834164407
50/box	
500/case	
3"	08834164408
25/box	
250/case	

QUICK-CHANGE HOLDERS				
DIAMETER		TYPE I	TYPE II	TYPE III
3/4"	Medium	08834164001	08834164206	08834164038
40,000 RPM				
1"	Medium	08834164002	08834164651	08834164037
40,000 RPM				
1-1/2"	Medium	08834164003	08834164146	08834161174
30,000 RPM	Hard	08834163996	08834164622	08834164640
2"	Soft	08834163949	08834161625	08834164641
30,000 RPM	Medium	08834164004	08834164198	08834164922
	Hard	08834163997	08834164624	08834164643
3"	Soft	08834163948	08834164626	08834164644
20,000 RPM	Medium	08834164005	08834164113	08834164949
	Hard	08834163998	08834161626	08834164036
4"	Medium	08834164006	08834164135	08834164655
15,000 RPM				

1/4" SHANK INCLUDED ON ALL QUICK-CHANGE HOLDERS.

### Quick-Change Holders





## Convolute Wheels

Convolute Wheels are designed for manufacturing and maintenance operations where an efficient and cost-effective method for deburring, polishing and cleaning is required.

### Abrasotex Convolute Wheels

These convolute wheels are formed by wrapping and bonding web material impregnated with abrasive grain and resin around a center core. Convolute wheels offer a wide range of utility from heavy burr removal and weld polishing to cleaning rust and oxides.

### NEW! HEAVY DEBURRING CONVOLUTE WHEELS

DESCRIPTION	GRADE	PART #
6" x 1/2" x 1" 4 wheels/case 6,000 rpm	9-SF	05539533838
6" x 1" x 1" 3 wheels/case 6,000 rpm	8-AM 8-SF	05539533753 05539529641
8" x 1" x 3" 3 wheels/case 4,500 rpm	8-AM 8-SF 9-SF	05539543700 05539531599 05539533741
12" x 1" x 5" 2 wheels/case 3,000 rpm	9-SF	05539562649

### EXPANDED OFFERING! CLEAN & FINISH CONVOLUTE WHEELS

DESCRIPTION	GRADE	PART #
6" x 1" x 1" 4 wheels/case 3,000 rpm	Medium S/C Fine S/C	05539512526 05539512501
6" x 2" x 1" 2 wheels/case 3,000 rpm	Medium S/C Fine S/C	05539512527 05539539682
6" x 3" x 1" 1 wheels/case 3,000 rpm	Medium S/C	05539563544
6" x 4" x 1" 1 wheels/case 3,000 rpm	Medium S/C	05539512516
8" x 1" x 3" 3 wheels/case 2,500 rpm	Medium S/C	05539556078
8" x 2" x 3" 2 wheels/case 2,500 rpm	Medium S/C	05539512548
8" x 3" x 3" 1 wheels/case 2,500 rpm	Medium S/C	05539533621
8" x 4" x 3" 1 wheels/case 2,500 rpm	Medium S/C	05539512575

### NEW! METAL FINISHING CONVOLUTE WHEELS

DESCRIPTION	GRADE	PART #
6" x 1" x 1" 3 wheels/case 6,000 rpm	5-AM	05539563441
6" x 2" x 1" 2 wheels/case 6,000 rpm	5-AM	05539539326
8" x 1" x 3" 3 wheels/case 4,500 rpm	5-AM	05539563442
8" x 2" x 3" 2 wheels/case 4,500 rpm	5-AM	05539563443
12" x 1-1/2" x 5" 1 wheels/case 3,000 rpm	5-AM	05539562749
12" x 2" x 5" 1 wheels/case 3,000 rpm	5-AM	05539539330
14" x 2" x 8" 1 wheels/case 2,550 rpm	5-AM	05539563545

SEE PAGE 32 FOR REDUCER BUSHINGS.



**Abrasotex  
Metal Finishing  
Convolute Wheel**

# Convolute Wheels (continued)



## DEBURRING AND FINISHING CONVOLUTE WHEELS

DESCRIPTION	GRADE	PART #
6" x 1/2" x 1" 4 wheels/case 6,000 rpm	7-SF	05539533812
	8-SF	05539512581
	9-SM	05539533872
	9-SF	05539512528
6" x 1" x 1" 3 wheels/case 6,000 rpm	6-AM	05539512586
	6-SM	05539533711
	6-AF	05539563546
	6-SF	05539512529
	6-SVF	05539531855
	7-AM	05539512532
	7-SM	05539512587
	7-AF	05539512592
	7-SF	05539512530
	8-AM	05539515713
	8-SM	05539512597
	8-AF	05539563547
	8-SF	05539512531
	9-SM	05539517463
9-SF	05539512598	
6" x 2" x 1" 2 wheels/case 6,000 rpm	6-AM	05539533773
	7-AM	05539533404
	7-SM	05539539634
	7-SF	05539530233
	8-SM	05539539462
	8-SF	05539514754
8" x 1" x 3" 3 wheels/case 4,500 rpm	9-SF	05539512617
	6-SM	05539563548
	6-SF	05539512533
	7-AM	05539512535
	7-SM	05539515383
	7-SF	05539563446
	8-SM	05539512618
	8-AF	05539512623
	8-SF	05539512534
8" x 2" x 3" 2 wheels/case 4,500 rpm	9-SM	05539563549
	9-SF	05539512635
	7-AM	05539516873
	7-SM	05539539635
	7-SF	05539533654
	8-SF	05539516876
	9-SF	05539512641

## DEBURRING AND FINISHING CONVOLUTE WHEELS (CONTINUED)

DESCRIPTION	GRADE	PART #
10" x 1" x 5" 3 wheels/case 3,600 rpm	7-AM	05539563552
	8-SF	05539531577
	9-SF	05539511345
10" x 2" x 5" 1 wheels/case 3,600 rpm	8-SF	05539515422
	9-SF	05539563553
12" x 1" x 5" 2 wheels/case 3,000 rpm	6-AM	05539515629
	6-SF	05539539615
	7-AM	05539512537
	7-SF	05539533511
	8-AM	05539516834
	8-SM	05539563554
	8-SF	05539512642
	9-SM	05539563555
	9-SF	05539512536
12" x 2" x 5" 1 wheels/case 3,000 rpm	7-AM	05539516847
	7-SM	05539512230
	7-SF	05539515919
	8-SM	05539512643
	8-SF	05539512646
	9-SF	05539512652
	14" x 2" x 8" 1 wheels/case 2,550 rpm	8-SM
9-SF		05539512654

SEE PAGE 32 FOR REDUCER BUSHINGS.

<b>Density</b>	<b>Abrasive</b>	<b>Grit</b>
5 Softer (open)	A = Aluminum Oxide	M = Medium
6	S = Silicon Carbide	F = Fine
7		VF = Very Fine
8		
9 Harder (closed)		

ABRASOTEX

**DEBURRING & FINISHING UNITIZED WHEELS**



DESCRIPTION	GRADE	PART #
1" x 1" x 3/16" 50/box 25,000 rpm	2SF	66261054171
	4SF	66261054172
	6AM	66261054173
2" x 1/4" x 1/4" 60/box 16,000 rpm	2AM	66261054174
	2SF	66261054175
	4AF	66261054176
	8AM	66261054177
	2AM	66261054178
	2SF	66261054179
3" x 1/4" x 1/4" 60/box 12,000 rpm	4AF	66261054180
	8AM	66261054181
	2AM	66261072338
6" x 1" x 1" 2/box 5,000 rpm	2SF	66261072344



**Unitized Wheels**

Merit Unitized Wheels are designed for deburring, blending and finishing operations on a wide variety of materials. Uniform construction and smear resistant resins produce long life and a smear-free finish.

**DEBURRING & FINISHING  
BUTTON MOUNT – TYPE III**

DESCRIPTION	GRADE	PART #
2" x 1/4" 60/box 22,000 rpm	2S FIN	66261054182
	2A MED	66261054183
	4S FIN	66261054184
	6A MED	66261054185
	8A MED	66261054186
	8A CRS	66261054187
3" x 1/8" 40/box 15,000 rpm	2A FIN	66261054188
	4A FIN	66261054189
	6A FIN	66261054190
	6A MED	66261054191
3" x 1/4" 20/box 15,000 rpm	2A FIN	66261054192
	2A MED	66261054193
	4A FIN	66261054194
	6S FIN	66261054195
	6A MED	66261054196
	8A MED	66261054197
	8A CRS	66261054198

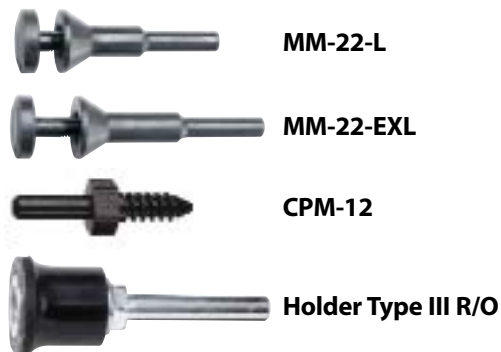


**Button-Mounted Unitized Wheels**

For the flexibility of a quick-change feature on our unitized product. No extra mounting adapters are needed, just a quick change holder for changing out the product as necessary.

**MANDRELS**

DESCRIPTION	PART #
M-22-L 1/4" shank Fits up to 1/2" thick	08834194582
M-22-EXL 1/4" shank Fits 5/8" to 1" thick	08834194581
CPM-12 1/4" shank Fits 3/16" A.H.	08834194449
Holder Type III R/O 1" dia. med.	08834164037



SEE PAGE 32 FOR REDUCER BUSHINGS.



## PowerStrip

Merit PowerStrip material provides a unique combination of aggressive performance, long life and improved finish. It is ideal for removing coatings on a variety of substrates, such as wood, metal and plastics.

Incorporated with extruded nylon fibers, flexible resin technology and extra-coarse silicon carbide mineral that provides aggressive performance while outperforming traditional abrasives. It will enable you to leave a thoroughly cleaned surface that ensures excellent adhesion in subsequent processes such as coating, painting and soldering.



### POWERSTRIP – TYPE 27

DIA.	GRIT	PART #	BOX QTY.
4-1/2"	S/C XCRS	08834197038	10/box
5/8"-11 hub			
4-1/2" x 7/8" AH	S/C XCRS	08834192122	10/box
7"	S/C XCRS	08834197040	10/box
5/8"-11 hub			
7" x 7/8" AH	S/C XCRS	08834196415	10/box

### POWERSTRIP – ARBOR HOLE

DIA.	GRIT	PART #	BOX QTY.
4" x 1/4" A.H.	XCSIC	08834191430	100/box
6" x 1/2" A.H.	XCSIC	08834191431	35/box
8" x 1/2" A.H.	XCSIC	08834191432	24/box



### POWERSTRIP – QUICK-CHANGE TYPE II & III

DIA.	GRIT	TYPE II	TYPE III	BOX QTY.
2"	XCSIC	08834167724	08834163514	10/box
3"	XCSIC	08834167725	08834163513	10/box
4"	XCSIC	08834167726	08834167722	10/box



### POWERSTRIP – HOOK & LOOP

DIA.	GRIT	PART #	BOX QTY.
4"	S/C XCRS	08834197041	10/box
4-1/2"	S/C XCRS	08834196406	10/box
7"	S/C XCRS	08834196205	5/box



### POWERSTRIP – MANDREL MOUNTED

DIA.	GRIT	PART #	BOX QTY.
4" x 1/2" x 1/4" SK	XCSIC	08834120974	5/box
1 ply per wheel			
4" x 1" x 1/4" SK	XCSIC	08834120973	5/box
2 ply per wheel			



## Hand Pads

Merit Abrasotex hand pads are made of non-woven nylon, impregnated with abrasive grain. They offer excellent conformability and flexibility.



### General Purpose

- Double the cut rate, with superior finish
- Can be used with most solvents and many chemicals without color bleeding
- High abrasive content for long life on blending and light deburring applications



### Heavy Duty Hand Pads

- A high concentration of abrasive grain and heavy duty backing allows this pad to stand up to the most severe applications.
- Removes excessive deposits of corrosion, oxidation, and scale
- Weld cleaning



### Super Finishing Hand Pads

- Able to impart a final finish on many types of materials.
- Wood defuzzing
- Light oxide removal
- Provide a decorative scratch



### General Purpose Scouring Pads

- For fast and easy cleaning and finishing with minimal effort.
- Clean aluminum
- Remove paint spatter and over-spray
- Will not rust



### Non-Abrasive Hand Pads

- A light duty, non-abrasive cleaning pad—for polishing aluminum and applications that do not require an abrasive product.

## 6" X 9" HAND PADS

DESCRIPTION	GRADE	PART #
Maroon General Purpose 60 pads/case	A/O V-Fine	08834193463
Maroon Economy 60 pads/case	A/O V-Fine	08834196204
Brown Heavy Duty 40 pads/case	A/O Medium	08834193462
Gray Super Finishing 60 pads/case	S/C Ultra Fine	08834196196
Green Scouring 60 pads/case	AGR	08834193497
White Non-Abrasive Pad 60 pads/case	None	08834193270
Hand Pad Holder		08834190748



### Tip

Abrasotex products are non-metallic, will not rust and are an ideal substitute for steel wool.

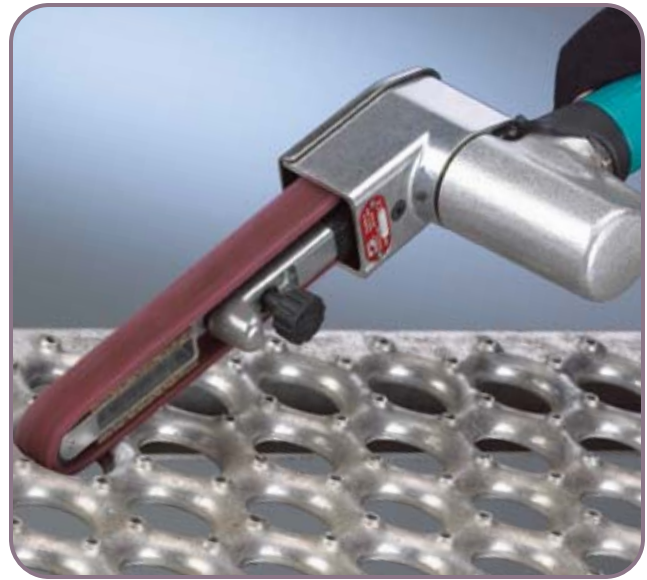


## Abrasotex Belts – Type AG

High performance, longer lasting for heavier deburring and finishing.

### ABRASOTEX BELTS – TYPE AG

L. X W.	GRADE	PART #
1/2" x 18"	Medium	08834198034
24/box	Coarse	08834199002
1" x 18"	Medium	08834198035
12/box	Coarse	08834199003
1" x 72"	Medium	08834198036
12/box	Coarse	08834199004
2" x 42"	Medium	08834198038
12/box	Coarse	08834199005
2" x 60"	Medium	08834198039
12/box	Coarse	08834199006
2" x 72"	Medium	08834198040
12/box	Coarse	08834199007
2" x 132"	Medium	08834198041
6/box	Coarse	08834199008
3-1/2" x 15-1/2"	Medium	08834198042
12/box	Coarse	08834199009
4" x 24"	Medium	08834198043
12/box	Coarse	08834199010
4" x 132"	Medium	08834198044
6/box	Coarse	08834199011
6" x 48"	Medium	08834198045
12/box	Coarse	08834199012



**Tip** *GD belts provide consistent cut and finish. AG belts are our longest lasting, high performance solution. Made with a more aggressive material, ideal for heavier deburring and finishing applications.*



## Abrasotex Belts – Type GD

For those occasions when you need a less aggressive belt, Merit Abrasotex Belts are your answer. For use on metal, wood blending, cleaning, scratch removal, dings and other defects.

### ABRASOTEX BELTS – TYPE GD

L. X W.	GRADE	PART #
1/2" x 18" 24/box	V-Fine	08834194002
	Medium	08834194001
	Coarse	08834194000
1/2" x 24" 24/box	V-Fine	08834194005
	Medium	08834194004
	Coarse	08834194003
3/4" x 18" 24/box	V-Fine	08834194008
	Medium	08834194007
	Coarse	08834194006
3/4" x 20-1/2" 24/box	V-Fine	08834194011
	Medium	08834194010
	Coarse	08834194009
1" x 42" 12/box	V-Fine	08834194014
	Medium	08834194013
	Coarse	08834194012
2" x 48" 12/box	V-Fine	08834194017
	Medium	08834194016
	Coarse	08834194015
2" x 60" 12/box	V-Fine	08834194020
	Medium	08834194019
	Coarse	08834194018
2" x 72" 6/box	V-Fine	08834194023
	Medium	08834194022
	Coarse	08834194021
2" x 132" 6/box	V-Fine	08834194026
	Medium	08834194025
	Coarse	08834194024

### ABRASOTEX BELTS – TYPE GD (CONTINUED)

L. X W.	GRADE	PART #
2-1/2" x 48" 12/box	V-Fine	08834194029
	Medium	08834194028
	Coarse	08834194027
2-1/2" x 60" 12/box	V-Fine	08834194032
	Medium	08834194031
	Coarse	08834194030
2-3/4" x 15-1/2" 12/box	V-Fine	08834194035
	Medium	08834194034
	Coarse	08834194033
3" x 24" 12/box	V-Fine	08834194038
	Medium	08834194037
	Coarse	08834194036
3" x 132" 6/box	V-Fine	08834194041
	Medium	08834194040
	Coarse	08834194039
3-1/2" x 15-1/2" 12/box	V-Fine	08834194044
	Medium	08834194043
	Coarse	08834194042
4" x 24" 12/box	V-Fine	08834194047
	Medium	08834194046
	Coarse	08834194045
4" x 36" 12/box	V-Fine	08834194050
	Medium	08834194049
	Coarse	08834194048
4" x 54" 12/box	V-Fine	08834194053
	Medium	08834194052
	Coarse	08834194051
4" x 132" 6/box	V-Fine	08834194056
	Medium	08834194055
	Coarse	08834194054
6" x 48" 12/box	V-Fine	08834194059
	Medium	08834194058
	Coarse	08834194057



## Abrasotex Rolls

An economical way to clean and finish or remove scratch marks on stainless steel and other materials. Just cut off the amount needed for the job. Rolls may be cut for use in jitterbug sanding or hand sanding applications. See similar hand pad descriptions for application details.



## Abrasotex Disc Wheel

Durable and strong, Merit Abrasotex Disc Wheels are compressed to form a wheel mounted on a 1/4" steel mandrel embedded in an epoxy core.



### ABRASOTEX ROLLS

SIZE	DESCRIPTION	GRADE	PART #
<b>ALUMINUM OXIDE</b>			
4" x 30'			
4/box	Fine	Maroon	05539511952
4/box	Very Fine Fast Cut	Maroon	05539562608
5/box	Very Fine	Green	05539562607
3/box	Very Fine High Strength	Maroon	05539526809
6" x 30'			
2/box	Medium High Strength	Maroon	05539527176
3/box	Very Fine Fast Cut	Maroon	05539512505
2/box	Very Fine High Strength	Maroon	05539526424
<b>SILICON CARBIDE</b>			
4" x 30'			
3/box	Very Fine	Gray	05539515708
5/box	Ultra Fine	Gray	05539512500
5/box	Micro Fine	Gray	05539562609
6" x 30'			
3/box	Very Fine	Gray	05539562610
3/box	Ultra Fine	Gray	05539512503
<b>NON-ABRASIVE</b>			
4" x 30'	T Polishing	White	05539512839
3/box			
<b>ROLL ASSORTMENT</b>			
2" x 15'			
1 each of:	Fine A/O		05539562611
	Very Fine A/O		
	Ultra Fine S/C		

### ABRASOTEX DISC WHEELS

DIA. X W. X 1/4 SK.	GRADE	PART #	
2" x 1/2"	3 ply	VF	08834131553
12,000 RPM	3 ply	Fine	08834131552
10/box	2 ply	Med	08834131551
2" x 1"	5 ply	VF	08834131556
12,000 RPM	5 ply	Fine	08834131555
10/box	4 ply	Med	08834131554
3" x 1/2"	3 ply	VF	08834131560
8,000 RPM	3 ply	Fine	08834131559
10/box	2 ply	Med	08834131558
3" x 1"	5 ply	VF	08834131497
8,000 RPM	5 ply	Fine	08834131557
10/box	4 ply	Med	08834131496
4" x 1/2"	3 ply	VF	08834131563
6,000 RPM	3 ply	Fine	08834131562
10/box	2 ply	Med	08834131561
4" x 1"	5 ply	VF	08834131566
6,000 RPM	5 ply	Fine	08834131565
10/box	4 ply	Med	08834131564
5" x 1/2"	3 ply	VF	08834131569
4,000 RPM	3 ply	Fine	08834131568
10/box	2 ply	Med	08834131567
5" x 1"	5 ply	VF	08834131572
4,000 RPM	5 ply	Fine	08834131571
10/box	4 ply	Med	08834131570

DISC WHEELS ARE CONSTRUCTED BY NUMBER OF PLYS. THE ACTUAL FACE WIDTH WILL VARY AND WILL NOT MATCH THE LISTED WIDTH EXACTLY. FACE WIDTH IS GIVEN FOR REFERENCE ONLY.

# Conversion Charts

Merit products versus main competitive products.



## COMPETITIVE CROSS REFERENCE

MERIT ABRASOTEX	3M SCOTCH-BRITE	STANDARD ABRASIVES BRITE-RITE
<b>ABRASOTEX CONVOLUTE WHEELS</b>		
Deburring and Finishing 6 Density A/O, S/C	General Purpose	
Deburring and Finishing 7 Density S/C	SST Deburring 7 Density S/C	General Purpose 7 Density S/C
Deburring and Finishing 7 Density A/O	Cut & Polish 7 Density A/O	General Purpose 7 Density A/O
Deburring and Finishing 8 Density S/C	SST Deburring 8 Density S/C	Deburring 8 Density S/C
Deburring and Finishing 8 Density A/O	Cut & Polish 8 Density A/O	Deburring 8 Density A/O
Deburring and Finishing 9 Density S/C	EXL Deburring	Deburring 9 Density S/C
Heavy Deburring	EXL, EX2 & EX3 Deburring	General Purpose 8, 9 & 10 Density
Metal Finishing	Metal Finishing	Metal Finishing
Clean and Finish	Multi-Finishing	Final Finishing
<b>ABRASOTEX UNITIZED WHEELS</b>		
Deburring & Finishing	EXL, SST, Cut & Polish Unitized	Brite-Rite Unitized
<b>ABRASOTEX HAND PADS</b>		
A/O VFN Maroon General Purpose	7447 Maroon	General Purpose A/O
A/O MED Brown Heavy Duty	7440 Brown	Heavy Duty A/O Tan
S/C UFN Grey Super Finishing	7448 Grey	Ultra Fine S/C Gray
A/O VFN Green Scouring	7496 Green	Scouring Pad Green
Non-abrasive White	7445 White	Cleaning White

# Discs & Safety Tread



SHURSTIK

**Merit's ShurStik is aptly named. Whether you're talking about our Alo Resin Bond, Silicon Carbide or Zirconia Plus Discs for high-speed grinding and polishing applications or ShurStik Safety Tred for preventing slippery surfaces — the pressure-sensitive adhesive backing is easy to apply and adheres simply and quickly to a disc holder.**

When applied to disc holders, the protective liner boosts the speed of disc changing and protects the adhesive from work dust. ShurStik's adhesive coating also has excellent heat resistance for high-speed grinding and polishing applications and can handle a variety of heavy-duty grinding operations.

The ShurStik Safety Tred combines waterproof material with an abrasive surface of tough mineral grains and a wear-resistant backing. Application is easy when Safety Tred is applied to clean surfaces. Simply remove the protective paper liner and press onto any surface reducing hazards quickly and economically wherever slipping is possible. ShurStik's Safety Tred can be used on a wide variety of surfaces including on-ramps, floors, stairs and ladder treads, the step areas of trucks and buses, dock lifts and dock floors, and diving boards.

Silicon carbide available upon request.



## ShurStik Discs



### SHURSTIK DISCS – ALO RESIN BOND

GRIT	1/2"	3/4"	1"	1-1/2"	2"
24	-	-	08834172143	08834171143	08834171158
36	08834171100	08834171114	08834171129	08834171144	08834171159
40	08834171101	08834171115	08834171130	08834171145	08834171160
50	08834171102	08834171116	08834171131	08834171146	08834171161
60	08834171103	08834171117	08834171132	08834171147	08834171162
80	08834171104	08834171118	08834171133	08834171148	08834171163
100	08834171105	08834171119	08834171134	08834171149	08834171164
120	08834171106	08834171120	08834171135	08834171150	08834171165
150	08834171107	08834171121	08834171136	08834171151	08834171166
180	08834171108	08834171122	08834171137	08834171152	08834171167
240	08834171109	08834171123	08834171138	08834171153	08834171168
320	08834171110	08834171124	08834171139	08834171154	08834171169
<b>PER BOX</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

### SHURSTIK DISCS – ALO RESIN BOND (CONTINUED)

GRIT	3"	4"	5"	6"	7"
24	08834171173	08834171188	08834172015	08834172044	-
36	08834171174	08834171189	08834172016	08834172045	08834172201
40	08834171175	08834171190	08834172017	08834172046	08834172202
50	08834171176	08834171191	08834172018	08834172047	08834172203
60	08834171177	08834171192	08834172019	08834172048	08834172204
80	08834171178	08834171193	08834172020	08834172049	08834172205
100	08834171179	08834171194	08834172021	08834172050	08834172206
120	08834171180	08834171195	08834172022	08834172051	08834172207
150	08834171181	08834171196	08834172023	08834172052	08834173228
180	08834171182	08834171197	08834172024	08834172053	-
240	08834171183	08834171198	08834172025	08834172054	08834173230
320	08834171184	08834171199	08834172026	08834172055	08834172211
<b>PER BOX</b>	<b>100</b>	<b>100</b>	<b>50</b>	<b>50</b>	<b>50</b>

SHURSTIK

## ShurStik Discs (continued)

SHURSTIK DISCS – ALO RESIN BOND (CONTINUED)					
GRIT	8"	9"	10"	12"	15"
24	08834172086	08834172115	08834173015	08834173044	08834173074
36	08834172087	08834172116	08834173016	08834173045	08834173075
40	08834172088	08834172117	08834173017	08834173046	08834173076
50	08834172089	08834172118	08834173018	08834173047	08834173077
60	08834172090	08834172119	08834173019	08834173048	08834173078
80	08834172091	08834172120	08834173020	08834173049	08834173079
100	08834172092	08834172121	08834173021	08834173050	08834173080
120	08834172093	08834172122	08834173022	08834173051	08834173081
150	08834172094	-	-	08834173052	-
180	08834172095	-	-	08834173053	08834173073
240	08834172096	-	-	08834173054	-
320	08834172097	08834172126	08834173026	08834173055	08834173085
<b>PER BOX</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>25</b>	<b>25</b>

SHURSTIK DISCS – ALO RESIN BOND (CONTINUED)					
GRIT	16"	18"	20"	24"	30"
24	08834173103	08834173133	08834173162	08834174015	08834174049
36	08834173105	08834173134	08834173163	08834174016	08834174050
40	08834173106	08834173135	08834173164	08834174017	08834174051
50	08834173107	08834173136	08834173165	08834174018	08834174052
60	08834173108	08834173137	08834173166	08834174019	08834174053
80	08834173109	08834173138	08834173167	08834174020	08834174054
100	08834173110	08834173139	08834173168	08834174021	08834174055
120	08834173111	08834173140	08834173169	08834174022	-
150	-	-	-	-	-
180	08834173113	08834173142	-	08834174024	-
240	-	-	-	-	-
320	08834173115	08834173144	-	-	-
<b>PER BOX</b>	<b>25</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>

SHURSTIK DISCS – ZIRCONIA PLUS		
DIA.	GRIT	PART #
5" 50/box	36	08834170179
	40	08834170016
	50	08834173219
	60	08834171731
	80	08834173218
	120	08834173129
12" 25/box	36	08834173241
	40	08834171036
	50	08834170135
	60	08834173221
	80	08834172161
	120	08834170019

SHURSTIK HOLDERS		
DIA.	MAX. RPM	PART #
1/2"	15,000	08834174096
3/4"	15,000	08834174097
1"	15,000	08834174098
1-1/2"	15,000	08834174099
2"	12,000	08834174100
3"	10,000	08834174101
4"	6,000	08834174102
5"	3,500	08834174103

1/4" SHANK





## Safety Tred

Merit ShurStik Safety Tred is a waterproof material with an abrasive surface of tough mineral grains with a wear-resistant backing. Easy to apply, just remove the protective paper liner and press ShurStik onto a clean surface.

Reduces hazards quickly and economically wherever slipping is possible:

- Floors
- Stairs and ladder treads
- Ramps, dock lifts and floors
- Stepping areas of trucks, buses and diving boards

### SHURSTIK SAFETY TRED ROLLS

W. X L. (FEET)	PART #
3/4" x 60'	08834171029
1" x 60'	08834171097
2" x 60'	08834171098
4" x 60'	08834171099
6" x 60'	08834171113
12" x 60'	08834171128
24" x 60'	08834171200

1 per box

### SHURSTIK SAFETY TRED STRIPS AND CLEATS

W. X L. (INCHES)	PART #
3/4" x 24"	08834171002
6" x 24"	08834171014

50 per box



SHURSTIK

# Sand-O-Flex

The Sand-O-Flex was the original product to give Merit its start in 1945.



SAND-O-FLEX

**Every great company starts with a great product or great idea. For Merit Abrasives that great product was “Sand-O-Flex”, an innovative brush-backed sander designed for finishing a variety of complex surfaces. Sand-O-Flex eliminated the need to hand sand on both curved and flat surfaces. Revolutionary in its day, Sand-O-Flex has proven its adaptability and durability over the years and is still in demand for many diverse applications.**

With its firm cushioning bristles, Sand-O-Flex’s abrasive strips are forced into, around and over corners, hollow and fluted surfaces and small openings. Pressure is distributed evenly over the surface to prevent loss of detail and the flattening of rounded areas.

Sand-O-Flex is designed to fit most standard equipment. It loads quickly and easily by turning the index knob as needed, allowing you to change grit size in minutes. Sand-O-Flex refills are available both scored and unscored, resulting in finer finishes on metals, woods, plastics, rubber and ceramic. And, with the use of Merit adapters, Sand-O-Flex wheels will fit most electric hand drills. Sand-O-Flex — over 60 years old and still a great idea.



## Sand-O-Flex Wheels

### Model 350-RP

- Diameter 6-1/2" overall, high impact plastic body 4" diameter
- 8 brushes, 1" wide abrasive strips
- 1/4" diameter steel shank
- Weight 9-1/2 oz.
- Maximum operating speed 2,400 RPM
- Special adapter required for bench motor use (08834111055)
- Some assembly required

### SAND-O-FLEX WHEEL

MODEL #	PART #
350--RP	08834111051

COMES ASSEMBLED WITH SAND-O-FLEX WHEEL, 80 GRIT A/O RESIN BOND SCORED REFILL AND BRUSHES.

### RESIN BOND REFILLS

WHEEL MODEL #	GRIT	PART #
350-RP SCORED	60	08834111052
10/box	80	08834111053
100/case	100	08834112114
	120	08834111054
	180	08834111057
350-RP UNSCORED	60	08834112031
10/box	80	08834111059
100/case	100	08834112021
	120	08834112032
	180	08834112033

### GLUE BOND REFILLS

WHEEL MODEL #	GRIT	PART #
350-RP SCORED	60	08834112053
10/box	80	08834112054
100/case	100	08834112055
	120	08834112056
	150	08834112057
	180	08834112058
	240	08834112059
	320	08834112060
350-RP UNSCORED	60	08834112043
10/box	80	08834112044
100/case	100	08834112045
	120	08834112046
	150	08834112047
	180	08834112048
	240	08834112049
	320	08834112050



### SAND-O-FLEX ACCESSORIES

MODEL #	PART #
Adapter 350-RP - 1/4" Shank to 1/2"	08834111055
Brushes 350-RP 8 per set	08834113003



SAND-O-FLEX

# Test Kits



**At Merit, we believe that once you try us, you'll buy us — over and over again. We make it easy for you to compare Merit's high quality, high performance, high value products against your current applications, right where it counts the most — on the job.**

So whether you are a first time Merit customer, or a long time fan ready to try another of our cost effective, easy-to-use product lines, our sample kits make it a risk-free experience. It's also a great way for us to share our spirit of innovation as we expand and improve our product line-up.

A variety of test kits are available to fit your needs. If you do not see a test kit that meets your application requirements, please contact us. We're always here to help.

## Blaze Cartridge Roll Test Kit **NEW!**

Kit includes a variety of our new Blaze Cartridge Rolls, Spiral Rolls and mandrels in popular sizes and grits.

**Part # 66261066726**



## General Purpose Test Kit

### Test Kit "GP"

Includes samples of Merit abrasive tools and materials. One of these tools could be worth the cost of the entire kit by solving your problems in deburring, polishing and grinding.

**Part # 08834169025**



## Porting Kits

### Test Kit "APK-MO"

The abrasive tools in Merit's Porting Kit are used in general metal-working, automotive work, woodworking, carving and other applications around the home and shop.

The Porting Kit includes:

- Hard Tapered Stone for initial cut on hard cast iron surface.
- Grind-Polishing Rolls in assorted sizes and grits for grinding fine grits for polishing.
- 1" Diameter Mini Grind-O-Flex Wheel for light finish polishing, not for heavy metal removal.
- Butterfly Flapper, 1" wide abrasive cloth cut into 4" strips and inserted into slotted mandrel, for finish polishing of internal surfaces.

**Test Kit "APK-MO" Part # 08834169032**

**Split Mandrel in Kit sold separately, Part # 08834180015**



### OTHER TEST KITS

DESCRIPTION	PART #	PAGE
Abrasotex Hand Pad Kit includes 20 6" x 9" hand pads in general purpose, heavy duty, super finishing and scouring grits; 1 had pad holder	08834190731	
Mini Grind-O-Flex Test Kit "CQ"	08834138001	23
Mini Grind-O-Flex Test Kit "CMM"	08834138004	23
Micro Mini GOF Test Kit "MMC"	08834131493	24

### OTHER TEST KITS (CONTINUED)

DESCRIPTION	PART #	PAGE
PowerLock Type I (S/O) Test Kit "D"	08834165001	10
Cartridge Roll Kit "CR"	08834181061	58
Cartridge Roll Kit Blaze	66261006726	58,91
Bore Polisher Test Kit "BP"	08834154181	64
General Purpose Test Kit "GP"	08834169025	91

# Slashed Assemblies



## Slashed Assemblies

Designed for use with the Vonnegut Sanding Head or Wolf Head. A brush-backed head utilizing the slashed assemblies for deburring, sanding, polishing, cleaning, blending and smoothing. They can be used on steels, non-ferrous metals, wood, rubber and some plastics.

### Slashed Assemblies are available in the following specifications:

- Waterproof, heavy-duty cloth, which withstands the heavy impact of brush sanding
- Aluminum oxide metalworking cloth
- Silicon Carbide
- Glue bond or resin bond
- Slashed and unslashed assemblies available
- Slashed are either 1/8" or 1/4" wide staggered slash, please specify

### Packing Standards:

- One loading of 1-1/2" width consists of 3 assemblies with 4 abrasive strips per assembly -16 assemblies per unit package.
- One 2", 4" or 6" width loading consists of 8 assemblies with 4 abrasive strips per assembly

**For more information, please contact your Merit Abrasive distributor.**

## Product Warranty

WARRANTY – Merit warrants the products in this catalog to be free from defects in material or workmanship for a period of one year from the date of purchase. Merit's sole obligation under this warranty shall be to repair or replace, at Merit's option, any product which is non-conforming provided any such product failure was not caused by a subsequent modification of the product, misuse or a failure to follow any applicable instructions for the product.

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## Liability Limitation

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## SAFETY – for Your Protection



### Safety Gloves

Grinding applications are conducted in harsh environments. The use of proper fitting gloves is recommended.



### Face Protection

Always wear government-approved face and eye protection when using abrasive products.



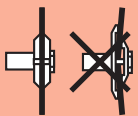
### Speeds

Check machine spindle speed and speed listed on machine against safe maximum operating speed marked on the grinding wheel. Do not overspeed the wheel.



### Hearing Protection

Use of abrasive products may create elevated sound levels. Hearing protection must be worn where required.



### Flanges

When mounting most grinding wheels, use flanges of equal diameter and bearing surface. For exceptions, see ANSI B7.1.



### Wheel Guard

Always use the wheel guard as supplied by the machine manufacturer, in the proper position.



### Safety Guides, MSDS and Wheel Warning Messages

Before using any abrasive materials, READ:

- The Safety Guides
- Wheel Warning Messages and
- Material Safety Data Sheets (MSDS)

Merit provides information pertaining to the safe use of all products. Please take the time to read it carefully. Contact suppliers of the workpiece and abrasive materials for copies of the MSDS if one is not readily available. Merit abrasives MSDS can be obtained on [www.meritabrasives.com](http://www.meritabrasives.com)



### Dust Protection

Exposure to dust generated from workpiece and/or abrasive materials can result in lung damage and/or other physical injury.

Use dust capture or local exhaust as stated in the MSDS. Wear government-approved respiratory protection and eye and skin protection.

Failure to follow this warning can result in serious lung damage and/or physical injury.

This is a general dust warning and does not cover specific situations. For more information, refer to the MSDS dust warning provided with your products, and workpiece.



## WARNING

This warning icon appears on our products and packaging. It is intended to draw your attention to the specific safety warning practices outlined after it.

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