



Toll Free US & Canada: **800-645-8180**

**Eastern Division**

60 Fleetwood Ct., Ronkonkoma, NY 11779-6907  
Telephone: (631) 471-3300 Fax: (631) 471-3308

**Western Division**

1219 W. Mahalo Place, Rancho Dominguez, CA 90220-5446  
Telephone : (310) 632-5400 Fax: (310) 632-3900

*Supplying the Aerospace, Defense & Metal Working Industries Since 1951!*

**Minimum Order**

\$100.00 List Price

**Terms**

Net 30 days on approved credit only.  
Approved credit cards.  
Prepaid via check or wire transfer.

**No C.O.D. shipments.**

**Returns**

Return authorization is required.  
Merchandise must be sent freight prepaid to the facility from which it was purchased.  
A 20% restocking charge is applicable.

**All claims must be made within 7 days of receipt of goods.**

**Freight**

F.O.B. shipping point.

**Special Orders**

All special orders may require prepayment.

**Currency**

All prices are in US dollars.

**Overseas Customer Terms**

Same as above, only **prepayment via bank wire transfer (all fees for buyers account) or by bank check.**

US Air Tool Company (also known as USATCO) has been a family owned and operated business since 1951. We are now a US manufacturer and worldwide distributor of high quality tools for the aviation industry with offices in New York & California. In addition, from the beginning of the homebuilder era in the 1970's, USATCO has been providing tools and equipment to craftsmen around the world who build and fly their own aircraft. These "sheet-metal artists" are now flying thousands of planes built and maintained with USATCO tools.

USATCO offers the highest quality products at competitive prices, with the knowledge and experience necessary for expert advice in product selection. Our courteous staff will be pleased to assist you. And of course, all the products we offer are fully guaranteed. If you don't see what you are looking for, please don't hesitate to contact us. We work hard to provide our customers with straightforward & reliable business. Try us & see!

**USATCO.com**

Don't forget to check out USATCO Online, with monthly sales, homebuilder specials, surplus items & an easy to use interface its a great place to shop for tools on the web. **www.USATCO.com**

**Government IMPAC Cards Accepted**

**USATCO Tool Repair**

We repair all major brand pneumatic tools on our premises. We are an official repair station for Cherry Textron<sup>®</sup>, Chicago Pneumatic<sup>®</sup>, and Cooper<sup>®</sup> Power Tools (including Dotco<sup>®</sup>, Gardener Denver<sup>®</sup>, Buckeye<sup>®</sup> and Doler<sup>®</sup>). In addition, we have our own manufacturing and modification facilities. We are riveting and product assembly specialists!

We will be happy to examine your tools free of charge and give you an estimate of repair cost. Ship prepaid to any of our facilities. Please send tensiometers to our New York Lab only.

**Please ask about our tool rental policy!**

**Limited Warranty**

*If for any reason you are not completely satisfied with any item purchased from us you may request a return authorization within seven (7) days of receipt of goods. When obtained, send us the item (transportation prepaid) for replacement, repair or refund. Tools manufactured by USATCO are warrantied for one (1) year from date of purchase. We cannot assume liability for abuse, misuse or alteration of goods. Any tampering with tools or attempted repairs of same will nullify this warranty. Warranties from other manufacturers available upon request.*

# FILES & ABRASIVES

## Rotary File Sets

- Ground from the solid in various styles & diameters.
- All files are double cut.



All Sets  
Include Case

912-8PC

Part No.	Type	Shank	Sizes Included
912-8PC	8 PC H.S.S.	1/4"	5/16", 3/8", 5/8" & 3/4"
913	14 PC H.S.S.	1/8"	1/8", 1/4", 3/8" & 5/8"
914	9 PC Carbide	1/4"	1/4", 3/8" & 1/2"
915	12 PC Carbide	1/8"	3/32", 1/8" & 1/4"
916-8PC	8 PC Carbide	3/16"	2" O.A.L. Assortment
918	9 PC Carbide	3/32"	1-1/4" O.A.L. Assortment

## H.S.S. & Carbide Rotary Files

Double Cut, 1/4" Shank



Tree Pointed		
Part No.	Dia.	Cut Length
104C	1/4"	5/8"
106C	3/8"	3/4"
204C	1/2"	3/4"
254C	1/2"	1"
304HSS	1/2"	1-1/8"
354C	5/8"	1"
404C	3/4"	1-1/2"

Tree Radius		
Part No.	Dia.	Cut Length
105C	1/4"	5/8"
155HSS	3/8"	3/4"
155C	3/8"	3/4"
205C	1/2"	1"
255HSS	1/2"	1-1/8"
355C	5/8"	1"
405C	3/4"	1-1/2"



Inverted Cone		
Part No.	Dia.	Cut Length
107C	1/4"	5/16"
157HSS	1/2"	1/2"
157C	1/2"	1/2"
307HSS	3/4"	5/8"
307C	3/4"	5/8"

Cylindrical Flat End		
Part No.	Dia.	Cut Length
101C	3/16"	5/8"
151C	1/4"	5/8"
201C	3/8"	3/4"
251C	1/2"	1"
301C	5/8"	1"
351C	3/4"	3/4"
401C	3/4"	1"
451C	1"	1"

Note: Part numbers ending with 'HSS' are high speed steel construction, part numbers ending with 'C' are solid carbide.

## H.S.S. & Carbide Rotary Files (cont'd)



Cylindrical Round End		
Part No.	Dia.	Cut Length
102HSS	1/8"	1/2"
152C	3/16"	5/8"
252C	1/4"	5/8"
302HSS	1/4"	1"
352C	3/8"	3/4"
402HSS	3/8"	1"
452HSS	1/2"	1"
452C	1/2"	1"
502HSS	5/8"	1"
502C	5/8"	1"
552C	3/4"	1"
602HSS	3/4"	1-1/4"

Ball Shape		
Part No.	Dia.	Cut Length
0510HSS	1/8"	1/8"
0510C	1/8"	1/8"
1010HSS	3/16"	3/16"
1010C	3/16"	1/4"
1510HSS	1/4"	1/4"
1510C	1/4"	1/4"
2010HSS	5/16"	5/16"
2010C	5/16"	5/16"
2510HSS	3/8"	3/8"
2510C	3/8"	3/8"
3010C	7/16"	3/8"
3510HSS	1/2"	7/16"
3510C	1/2"	1/2"
4010HSS	5/8"	9/16"
4010C	5/8"	9/16"
4510HSS	3/4"	11/16"
4510C	3/4"	11/16"
5010HSS	1"	1"
5010C	1"	15/16"



Tapered Shape		
Part No.	Dia.	Cut Length
1012HSS	1/4"	1-1/4"
1512HSS	3/8"	1-3/4"



60° Deburring		
Part No.	Dia.	Cut Length
056C	1/4"	3/16"
156C	3/8"	5/16"
206C	1/2"	7/16"
256C	5/8"	9/16"
306C	3/4"	11/16"
406C	1"	15/16"

90° Deburring		
Part No.	Dia.	Cut Length
058C	1/4"	1/8"
158C	3/8"	3/16"
208C	1/2"	1/4"
258C	5/8"	5/16"
308C	3/4"	3/8"
408C	1"	1/2"



























Flame		
Part No.	Dia.	Cut Length
103C	5/16"	3/4"
153C	1/2"	1-1/4"
203C	5/8"	1-7/16"

Concave Radius		
Part No.	Dia.	Cut Length
059C	1/4"	3/16"
159C	1/2"	3/8"

Other Styles Available, Please Inquire

**Carbide Miniature Burrs**

*Double Cut, 1/8" Shank, 1-1/2" Overall Length*

	
Part No. SA-43	Part No. SG-41
Size 1/8" x 9/16"	Size 1/8" x 1/4"
	
Part No. SA-42	Part No. SF-42
Size 3/32" x 7/16"	Size 1/8" x 1/2"
	
Part No. SA-41	Part No. SF-41
Size 1/16" x 1/4"	Size 1/8" x 1/4"
	
Part No. SB-41	Part No. SM-43
Size 1/8"	Size 1/8" x 5/8" (7° taper)
	
Part No. SC-42	Part No. SM-42
Size 1/8" x 9/16"	Size 1/8" x 7/16" (14° taper)
	
Part No. SC-41	Part No. SM-41
Size 3/32" x 7/16"	Size 1/8" x 11/32" (12° taper)
	
Part No. SD-42	Part No. SL-42
Size 1/8"	Size 1/8" x 1/2" (8° taper)
	
Part No. SD-41	Part No. SL-41
Size 3/32"	Size 1/8" x 3/8" (8° taper)
	
Part No. SE-41	Part No. SJ-42
Size 1/8" x 1/4"	Size 1/8" (60° taper)
	
Part No. SH-41	Part No. SK-42
Size 1/8" x 1/4"	Size 1/8" (90° taper)
	
Part No. SG-44	Part No. SN-42
Size 1/8" x 1/2"	Size 1/8" x 3/16" (10° taper)
	
Part No. SG-43	Part No. SN-41
Size 1/8" x 3/32"	Size 3/32" x 1/8" (10° taper)

**Aluminum 'Star Cut' Carbide Rotary Files**

- Designed for aluminum & non-ferrous material, 1/4" shank.
- Also great for heavy & medium stock removal of soft, sticky material.



Cylindrical Flat End		
Part No.	Dia.	Cut Length
201CFMC	3/8"	3/4"
251CFMC	1/2"	1"
301CFMC	5/8"	1"
401CFMC	3/4"	1"

Ball Shape		
Part No.	Dia.	Cut Length
2510CFMC	3/8"	3/4"
3510CFMC	1/2"	1"
4010CFMC	5/8"	1"
4510CFMC	3/4"	1"



Cylindrical Round End		
Part No.	Dia.	Cut Length
352CFMC	3/8"	3/4"
452CFMC	1/2"	1"
502CFMC	5/8"	1"
552CFMC	3/4"	1"

Tree Radius		
Part No.	Dia.	Cut Length
155CFMC	3/8"	3/4"
205CFMC	1/2"	1"
355CFMC	5/8"	1"
405CFMC	3/4"	1"

**Nib Files**

*Easy To Use, No Gouging*



*Perfect For Dirt & Runs*

- Remove imperfections on paint jobs without respraying.
- Works on both primer & top coats (dry paint surface only).
- High-quality, precision ground assures uniform results.

Part Number	Style
70307	Coarse
70308	Fine



*For Shop Vacuums & Accessories See Pages 230-231*

# FILES & ABRASIVES

## Hand Files



### Flat Files

Bastard	Second	Smooth	Size	Overall Length
32-289	32-296	32-303	5/8" x 5/32"	6" (152 mm)
32-290	32-297	32-304	25/32" x 7/32"	8" (203 mm)
32-291	32-298	32-305	31/32" x 1/4"	10" (254 mm)
32-292	32-299	32-306	1-5/32" x 9/32"	12" (305 mm)



### Round Files

Bastard	Second	Smooth	Size	Overall Length
32-396	32-403	32-409	7/32"	6" (152 mm)
32-397	32-404	32-410	5/16"	8" (203 mm)
32-398	32-405	32-411	3/8"	10" (254 mm)
32-399	32-406	32-412	1/2"	12" (305 mm)



### Half Round Files

Bastard	Second	Smooth	Size	Overall Length
32-310	32-318	32-325	19/32" x 5/32"	6" (152 mm)
32-311	32-319	32-326	3/4" x 7/32"	8" (203 mm)
32-312	32-320	32-327	15/16" x 9/32"	10" (254 mm)
32-313	32-321	32-328	1-1/8" x 11/32"	12" (305 mm)



### Mill Files

Bastard	Second	Smooth	Size	Overall Length
32-369	32-379	32-385	7/32"	6" (152 mm)
32-370	32-380	32-386	5/16"	8" (203 mm)
32-371	32-381	32-387	3/8"	10" (254 mm)
32-372	32-382	32-388	1/2"	12" (305 mm)

## Milled Curved Tooth Hand Files

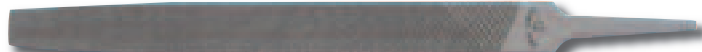


- Designed for smooth, fast work on annealed steels & hard plastics.
- Shear non-ferrous metal such as aluminum & copper with ease.

### Mill Curved Tooth Files

Bastard	Size	Overall Length
32-481	13/16" x 13/64"	8" (203 mm)
32-482	1" x 7/32"	10" (254 mm)
32-483	1-5/32" x 17/64"	12" (305 mm)

## Aluminum Hand Files



### Type 'A' Double Cut Aluminum Flat Files

Bastard	Size	Overall Length
32-260	5/8" x 5/32"	6" (152 mm)
32-261	25/32" x 7/32"	8" (203 mm)
32-262	31/32" x 1/4"	10" (254 mm)
32-263	1-5/32" x 9/32"	12" (305 mm)



### Type 'A' Double Cut Aluminum Half Round Files

Bastard	Size	Overall Length
32-265	19/32" x 5/32"	6" (152 mm)
32-266	3/4" x 7/32"	8" (203 mm)
32-267	15/16" x 9/32"	10" (254 mm)
32-268	1-1/8" x 11/32"	12" (305 mm)

## Plastic File Handles



- Comfortable shape with textured surface for non-slip grip.
- Metal threaded tang insert for a positive, properly aligned grip.

Part No.	Handle No.	Recommended File Size
37-782	2	4" Round
37-783	3	6" Round; 4" Flat, Half Round & Mill
37-784	4	8" Round; 6" Flat, Half Round & Mill
37-785	5	10" Round; 8" Flat, Half Round & Mill
37-786	6	12" (all types); 10" Flat, Half Round & Mill

### 4 Piece File Handle Set

Part Number	Set Includes
53-FHPS	37-782, 32-783, 32-784 & 32-785 (see above)

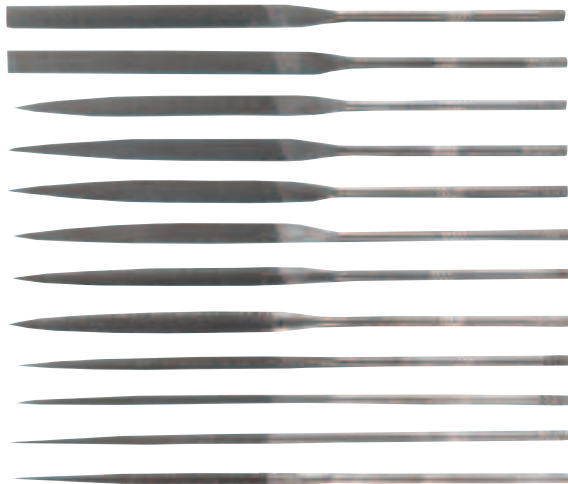
## File Brush



- Waxed hardwood block & handgrip with slot for included scorer.
- Polypropylene bristle brush & card wire brushing surface.

Part Number	Overall Length
44-01	9" (230 mm)

Swiss Pattern Needle File Set



- Precision files of the finest tool steel.
- Meets exacting tool maker requirements.
- Includes snap button plastic case (not shown).
- Set of 12 files with various profiles.

Part Number	Overall Length
S475	5-1/2" (140 mm)

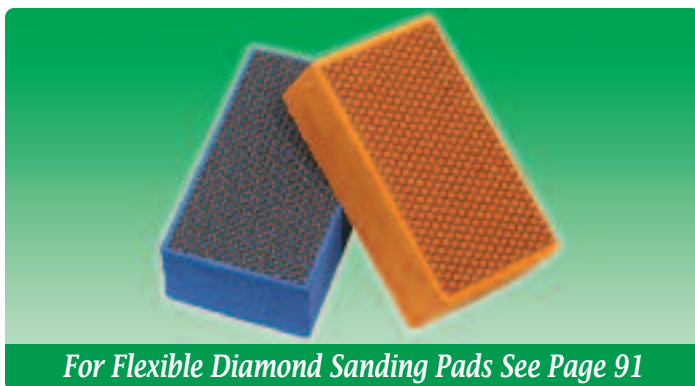
Diamond Needle File Sets

Comfortable Plastic Grips



- Set of 6 files with various profiles.
- Includes plastic case.

Part No.	Grit	Shank Dia.	Overall Length
607F	Fine (600 Grit)	0.118"	5-1/2" (140 mm)
607C	Coarse (200 Grit)	0.118"	5-1/2" (140 mm)



For Flexible Diamond Sanding Pads See Page 91

6" x 9" Hand Pads



10475

- For cleanup, light deburring, blending & satin finishing on all metals.
- Open structure prevents loading & can be used wet or dry.

Part Number	Type	Color
10473	General Purpose A/O	Maroon
10474	Heavy-Duty A/O	Tan
10475	Ultra-Fine S/C	Grey

Part Number	Description
43934	Hand Pad Holder

Merit® Shur-Stik Disc Holders

- Flex tested neoprene rubber pad.
- Hardened steel mandrel.

Part No.	Diameter	Max. RPM
74098	1"	15,000
74100	2"	12,000
74101	3"	10,000
74102	4"	6,000



Merit® Shur-Stik Discs

- Pressure sensitive adhesive backing for uses up to 15,000 RPM.
- Protective liner speeds disc changing.
- Excellent heat resistant properties.



Note: All diameters sold in packs of 100.

ALO Resin Bond Discs				
Grit	1"	2"	3"	4"
24	72143	71158	71173	71188
36	71129	71159	71174	71189
40	71130	71160	71175	71190
50	71131	71161	71176	71191
60	71132	71162	71177	71192
80	71133	71163	71178	71193
100	71134	71164	71179	71194
120	71135	71165	71180	71195

**Merit® PowerLock Discs**



- The most aggressive quick-change sanding discs available in the industry.
- Laminated construction is tough and durable - virtually eliminates the snagging and shredding that can occur with pressure-sensitive discs.
- Offered in a choice of three safe, easy to use fasteners:



**Type I: Snap-On**  
(equivalent to Norton TP fastener)



**Type II: Roll-On**  
(equivalent to Std. Abrasives Soc-Att® or Norton TS fastener)



**Type III: Turn-On**  
(equivalent to 3M Roloc or Norton TR fastener)

**Note:** Powerlock holders shown on next page.

**ALO Resin Bond PowerLock Cloth Discs**

These aluminum oxide discs are best used for general purpose deburring and blending on ferrous and nonferrous metals where greater edge durability is required.

**ALO Plus PowerLock Cloth Discs**

Featuring a grinding aid, these run cooler and more efficiently for grinding exotic alloys.

ALO Resin Bond Discs				
Dia.	Grit	Type I	Type II	Type III
3/4"	24	61001	65100	64312
	36	61002	65101	64319
	40	61003	65102	64321
	50	61004	65103	64322
	60	61005	65104	64813
	80	61006	65105	64323
	100	61007	65106	64814
	120	61008	65107	64324
	150	61009	65108	64815
	180	61010	65109	64325
1"	24	61014	65115	64328
	36	61015	65116	66031
	40	61016	65117	61251
	50	61017	65118	64924
	60	61018	65119	61105
	80	61019	65120	66185
	100	61020	65121	61364
	120	61021	65122	61106
	150	61022	65123	64330
	180	61023	65124	66252
1-1/2"	24	61027	65130	64969
	36	61028	65131	64048
	40	61029	65132	64804
	50	61030	65133	64092
	60	61031	65134	64902
	80	61032	65135	61400
	100	61033	65136	61288
	120	61034	65137	64905
	150	61035	65138	64810
	180	61036	65139	66251
1-1/2"	240	61037	65141	61602
	320	61038	65143	64331

ALO Resin Bond Discs				
Dia.	Grit	Type I	Type II	Type III
2"	24	61041	65145	64912
	36	61042	65146	64913
	40	61043	65147	66353
	50	61044	65148	64914
	60	61045	65149	61155
	80	61046	65150	64941
	100	61047	65151	64917
	120	61048	65152	61169
	150	61049	65153	64786
	180	61050	65154	64916
3"	24	61055	65160	61214
	36	61056	65161	64938
	40	61057	65162	64939
	50	61058	65163	64940
	60	61059	65164	66183
	80	61060	65165	66191
	100	61061	65166	66189
	120	61062	65167	66184
	150	61063	65168	64340
	180	61064	65169	66187
4"	24	61070	65176	66265
	40	61071	65177	64860
	50	61072	65178	64788
	60	61073	65179	64601
	80	61074	65180	66472
	100	61075	65181	64342
	120	61076	65182	66473
	180	61078	65184	64843

ALO Plus Discs				
Dia.	Grit	Type I	Type II	Type III
3/4"	36	64345	67462	64467
	40	64346	67463	64468
	50	64347	67464	64469
	60	64349	67465	64470
	80	64350	67466	64471
	120	64361	67468	64473
1"	36	64363	67477	64475
	40	64364	67478	64476
	50	64365	67479	64477
	60	64366	67480	64478
	80	64368	67481	64479
	120	64370	67483	64481
1-1/2"	36	64392	66881	64483
	40	64393	66882	64484
	50	64394	66883	64485
	60	64395	66884	64486
	80	64396	66885	64487
	120	64398	66887	64489
2"	36	64400	66896	64491
	40	64401	66897	64492
	50	64402	66898	64493
	60	64403	66899	64494
	80	64404	66900	64495
	120	64428	66902	64496
3"	36	64430	66911	64498
	40	64431	66912	64499
	50	64432	66913	64500
	60	64433	66914	64501
	80	64434	66915	64502
	120	64436	66917	64509
4"	36	64459	63959	64511
	40	64460	63960	64525
	50	64461	63961	64526
	60	64462	63962	64527
	80	64463	63963	64536
	120	64465	63965	64542

*PowerLock Discs In Other Styles & Grits Also Available, Please Inquire*

**Merit® PowerLock Disc Holders**

- Use hard pads for flat work & more aggressive removal.
- Use softer pads for contour work, feathering & edging, corners & fillets.



**PowerLock Type I:**  
Snap-on/snap-off fastener equivalent to Norton TP fastener.

**PowerLock Type II:**  
Roll-on/roll-off fastener equivalent to Std. Abrasives Soc-Att® or Norton TS fastener.

**PowerLock Type III:**  
Turn-on/turn-off fastener equivalent to 3M Roloc or Norton TR fastener.

Dia.	Max. RPM	Style	Type I	Type II	Type III
3/4"	40,000	Medium	64001	64206	64038
1"	40,000	Medium	64002	64651	64037
1-1/2"	30,000	Medium	64003	64146	61174
1-1/2"	30,000	Hard	63996	64662	64640
2"	30,000	Soft	63949	61625	64641
2"	30,000	Medium	64004	64198	64922
2"	30,000	Hard	63997	64624	64643
3"	20,000	Soft	63948	64626	64644
3"	20,000	Medium	64005	64113	64949
3"	20,000	Hard	63998	61626	64036
4"	15,000	Medium	64006	64135	64655

**Merit® PowerLock Buffing Discs**



- Non-woven nylon fiber impregnated with abrasive.
- Produces a uniform finish at higher buffing speeds without fly-offs.

Dia.	Grit	Type I	Type II	Type III
1-1/2" 100 per box	V-Fine	66333	66406	66417
	Fine	66332	66393	66369
	Medium	66292	66392	66368
	Coarse	66294	66391	61647
2" 50 per box	V-Fine	66282	66405	66305
	Fine	66281	66396	66304
	Medium	66280	66395	66303
	Coarse	61627	66394	61649
3" 25 per box	V-Fine	66286	66403	66310
	Fine	66285	66399	66309
	Medium	66284	66398	66308
	Coarse	66293	66397	61651
4" 25 per box	V-Fine	66297	66404	66316
	Fine	66296	66402	66315
	Medium	66295	66401	66314
	Coarse	61652	66400	61654

**Merit® PowerLock Surface Preparation Discs**



- Thick abrasive grain bonded to a reinforced non-woven nylon pad.
- More rigid & aggressive than buffing pads.
- Great for removing heavy rust & blending machine marks & flaws.

**Note:** Other sizes & styles available, please inquire.

Dia.	Grit	Type I	Type II	Type III
1-1/2" 100 per box	V-Fine	66336	66409	66367
	Medium	66335	66408	66380
	Coarse	66334	66407	66366
2" 50 per box	V-Fine	66273	66317	66318
	Medium	66272	66288	66290
	Coarse	66271	66287	66289
3" 25 per box	V-Fine	66277	66321	66323
	Medium	66276	66320	66291
	Coarse	66275	66319	66322
4" 25 per box	V-Fine	66300	66390	66329
	Medium	66299	66389	66328
	Coarse	66298	66388	66327

**Merit® PowerLock FlexEdge Discs**

- Manufactured with a flexible aluminum oxide abrasive cloth.
- Outer 3/8" is more flexible than the rest of the disc.
- Great for softer metals & contour grinding of structural pieces.
- Order discs one size larger than the PowerLock holder you use.



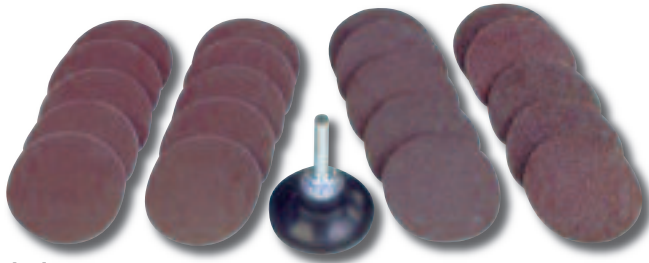
Dia.	Grit	Type I	Type II	Dia.*	Grit	Type I	Type II
1" 100 per box	50	64309	63706	2" 100 per box	50	64333	63721
	60	64296	60394		60	64334	60403
	80	61194	60395		80	64335	60404
	100	64215	60396		100	64336	66959
	120	64216	60397		120	64337	67363
1-1/2" 100 per box	180	—	—	3" 50 per box	180	64339	60405
	50	64375	63713		50	64352	63728
	60	64315	67333		60	64353	60406
	80	64316	60399		80	64354	61282
	100	64317	63714		100	64355	66974
1-1/2" 100 per box	120	64318	60401	3" 50 per box	120	64356	63729
	180	64320	60402		180	64358	60407

\* For 3" discs use the special PowerLock holders shown below (max. 30,000 RPM).

Type I	Type II	Description
63995	68539	2" Cam Lock Holder (required for 3" discs)

## FILES & ABRASIVES

### Shur-Kut® Quick Change Disc Kits



**Includes:**

Twenty Shur-Kut® Quick Change Discs (five each: 36, 60, 80 & 120 grit) & 1/4" Shank Medium Density Holder

Part Number	Diameter
01-74100	2"
01-74101	3"

### Shur-Kut® Cartridge Roll Assortment Kit



**Includes:**

Assortment of Straight & Tapered Rolls (1" & 1-1/2" long, resin bond) in 80 & 120 Grit & Two 1/4" Shank Mandrels

Part Number	Diameter
28802	1/4" to 1/2"

### Shur-Brite® Surface Conditioning Disc Kits

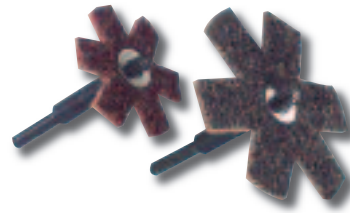


**Includes:**

Fifteen Shur-Kut® Surface conditioning Discs (five each: very fine, medium & coarse) & 1/4" Shank Medium Density Holder

Part Number	Diameter
34311	2"
34312	3"

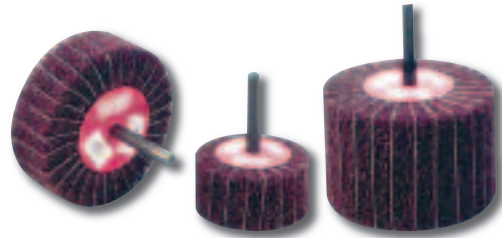
### Shur-Brite® Surface Conditioning Stars



- Die cut from reinforced surface conditioning material.
- Great for cleaning & polishing the I.D. of tubing & recessed areas.
- Will quickly provide a smooth finish on steel, aluminum or plastic.

Grade	1-1/2"	2"	3"
Very Fine	28834	28837	28840
Medium	28833	28836	28839
Coarse	28832	28835	28838

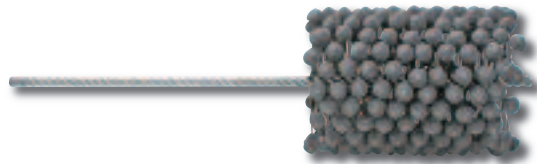
### Shur-Brite® Mounted Duplex Wheels



- Interleaf design cushions abrasive flaps for extra smooth operation.
- For polishing, deburring & removal of pits, burrs & scratches.

Grit	3" x 1" x 1/4"	3" x 2" x 1/4"
80	10467	10470
120	10468	10471
180	10469	10472

### Heavy-Duty Flex Hones



- A resilient, flexible honing tool with a soft cutting action.
- Independently suspended abrasive points are self-centering.
- Tool will self-compensate for wear & self align to the bore.
- Extremely efficient for providing crosshatch oil retention grooves.

Part Number	Diameter	For Bore Sizes	Overall Length
70594	3-3/4"	3-1/2" to 3-3/4"	13-1/2" (343 mm)
70595	4"	3-3/4" to 4"	13-1/2" (343 mm)
70596	4-1/4"	4" to 4-1/4"	13-1/2" (343 mm)
70597	4-1/2"	4-1/4" to 4-1/2"	13-1/2" (343 mm)
70598	5"	4-1/2" to 5"	17-1/2" (445 mm)
70599	5-1/2"	5" to 5-1/2"	17-1/2" (445 mm)
70600	6"	5-1/2" to 6"	17-1/2" (445 mm)



**Merit® Blaze High Performance Abrasives**



*Next-Generation  
Ceramic Grain*

- 50% to 300% longer life than any product currently available.
- Improved grain retention & resin bond system.
- X-weight cotton backing & advanced grinding aid.
- Cuts cooler and lasts longer on stainless steel, cobalt, inconel, titanium & other hard-to-grind materials.

**Note:** All Blaze abrasives sold in boxes of 100.

Cartridge Rolls, 1-1/2" Overall Length			
Grit	1/4" Dia.	3/8" Dia.	1/2" Dia.
60	94384	94392	94393
80	94394	94395	94396
120	94397	94398	94399
<b>Mandrel</b>	<b>81209</b>	<b>81209</b>	<b>81208</b>

Full Taper Spiral Rolls, 1-1/2" Overall Length		
Grit	3/8" Diameter	1/2" Diameter
60	94481	94484
80	94490	94492
120	94491	94495
<b>Mandrel</b>	<b>81209</b>	<b>81208</b>

8-Ply Cross Pads, 8-32 Quick Change Eyelet			
Grit	1-1/2" Sq. x 1/2"	2" Sq. x 3/4"	3" Sq. x 1"
60	94496	94502	94504
80	94508	94513	94549
120	94511	94516	94551
<b>Mandrel</b>	<b>83163</b>	<b>21680</b>	<b>21680</b>

Square Pads, 1/4"-20 Quick Change Eyelet			
Grit	2" Sq. x 1/2"	3" Sq. x 1/4"	3" Sq. x 1/2"
60	94520	94531	94528
80	94522	94555	94557
120	94554	94556	94558
<b>Mandrel</b>	<b>21680</b>	<b>21680</b>	<b>21680</b>

Overlap Slotted Discs, 8-32 Quick Change Eyelet			
Grit	1-1/2" Dia.	2" Dia.	3" Dia.
60	01-95051	95054	95057
80	95368	95055	95058
120	95367	95056	95059
<b>Mandrel</b>	<b>83163</b>	<b>21680</b>	<b>21680</b>

**Merit® Micro Mini Flap Wheels**



*1/8"  
Shank*

- Fast & light deburring of internal work spaces as small as 1".
- Many other sizes & styles available, please inquire.

**Note:** All diameters sold in packs of 10.

Dia. x Width	80 Grit	120 Grit	180 Grit	240 Grit	320 Grit
3/8" x 3/8"	37471	37472	37473	37474	37475
5/8" x 5/8"	37481	37482	37483	37484	37485
5/8" x 3/4"	37541	37542	37543	37544	37545
3/4" x 3/16"	37551	37552	37553	37554	37555
3/4" x 3/8"	37561	37562	37563	37564	37565
3/4" x 1/2"	37571	37572	37573	37574	37575
3/4" x 5/8"	37581	37582	37583	37584	37585
3/4" x 3/4"	37591	37592	37593	37594	37595
1-3/16" x 1/8"	37491	37492	37493	37494	37495
1-3/16" x 3/16"	37501	37502	37503	37504	37505
1-3/16" x 3/8"	37511	37512	37513	37514	37515

**Merit® Abrasive Test Kits**

- Determine what abrasives are best suited to your application needs.
- Versatile & economical - selection continues on next page.



**'D' Power Lock Disc Test Kit:**

150 Power Lock Discs (1" to 3" dia. in assorted grits - includes zirconia alumina & flex edge discs) & 3 Power Lock I Holders

Part Number	Description
65001	D Power Lock Disc Test Kit

**Merit® Abrasive Test Kits (cont'd)**



**'BP' Bore Polisher Test Kit:**

Ten Bore Polishers & Two Mini Grind-O-Flex Wheels (assorted sizes & grits) mounted on 1/4" Mandrels

Part Number	Description
54181	BP Bore Polisher Test Kit



**'MMC' Micro-Mini Test Kit:**

Five Micro-Mini Grind-O-Flex Wheels (3/8" to 1-3/16" dia.) mounted on 1/8" Hardened Steel Shanks

Part Number	Description
31493	MMC Micro-Mini Test Kit



**'CMM' Mandrel-Mounted Mini Grind-O-Flex Test Kit:**

Ten Mini Grind-O-Flex Wheels (1" to 3" dia. in various grits) mounted on 1/4" Mandrels

Part Number	Description
38004	CMM Mini Grind-O-Flex Test Kit



**'CQ' Mini Grind-O-Flex Test Kit:**

Ten Mini Grind-O-Flex Wheels (1" to 3" diameter, 1/4"-20 thread) & 1/4" Quick Change Adapter

Part Number	Description
38001	CQ Mini Grind-O-Flex Test Kit

**Merit® Blaze High Performance Abrasive Test Kit**



*Next-Generation Ceramic Grain*

- Handy kit includes mandrels and a variety of new Blaze cartridge rolls & spiral rolls in popular sizes & grits.
- 50% to 300% longer life than any product currently available.
- Cuts cooler and lasts longer on stainless steel, cobalt, inconel, titanium & other hard-to-grind materials.

Part Number	Description
66726	Blaze Abrasive Test Kit

**Rubberized Abrasive Kits**

*Perfect For Light Deburring, Smoothing, Cleaning & Polishing*

- Unique cushioned action cuts smoothly & softly without gouging or digging into the work surface and resists clogging.
- Ideal for metallic & non-metallic surfaces that must be worked without loss of dimensional tolerances or control.
- Abrasives can be shaped with conventional wheel dressers and will not harden or soften during use or in storage.
- Selection continues on next page.



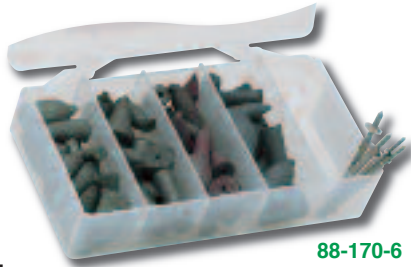
88-174-8

**Tool Room Assortment:**

100 Cylinder Points, 100 Bullet Points, 200 Tapered Wheels, 300 Straight Wheels (all in various grits), 48 Point Mandrels, 48 Wheel Mandrels & Carrying Case

Part Number	Description
88-174-8	Complete 797 PC Kit

Rubberized Abrasive Kits (cont'd)



88-170-6

**Polishing Kit:**

16 Cylinder Points, 32 Bullet Points, 16 Tapered Points (all in various grits), 4 Point Mandrels & Carrying Case

Part Number	Description
88-170-6	Complete 69 PC Kit



88-172-2

**Cone Kit:**

8 Tapered Cones, 4 Cylinder Cones, 4 Pointed Cones, 2 Bullet Cones (all in various grits), 2 Cone Mandrels & Carrying Case

Part Number	Description
88-172-2	Complete 21 PC Kit



88-180-5

**Finishing Kit A:**

4 Round Pencils, 4 Rectangular Sticks, 4 Tapered Cones, 4 Cylinder Cones, 4 Straight Wheels (all in various grits), 1 Cone Mandrel, 1 Wheel Mandrel & Carrying Case

Part Number	Description
88-180-5	Complete 23 PC Kit

**Finishing Kit B:**

12 Bullet Points, 12 Tapered Wheels, 36 Straight Wheels (all in various grits), 1 Point Mandrel, 3 Wheel Mandrels & Carrying Case

Part Number	Description
88-184-7	Complete 65 PC Kit

Rubberized Abrasive Kits (cont'd)

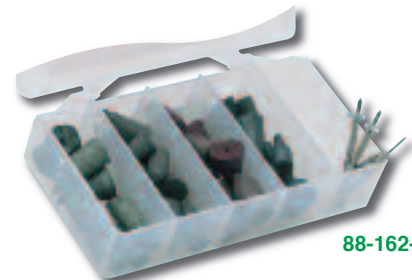


88-164-9

**Small Wheel Kit:**

112 Straight Wheels, 8 Straight Points (all in various grits), 7 Wheel Mandrels & Carrying Case

Part Number	Description
88-164-9	Complete 128 PC Kit



88-162-3

**Point Kit A:**

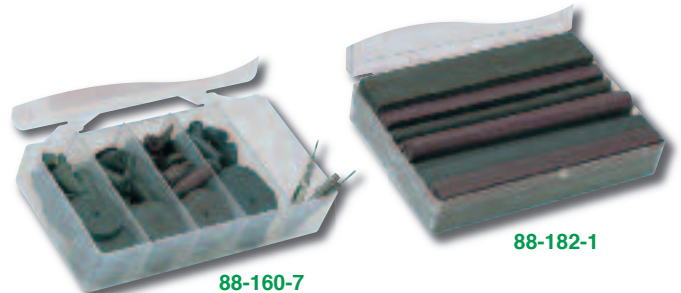
45 Bullet Points (various grits), 4 Point Mandrels & Carrying Case

Part Number	Description
88-162-3	Complete 50 PC Kit

**Point Kit B:**

100 Bullet Points (various grits), 2 Point Mandrels & Carrying Case

Part Number	Description
88-186-2	Complete 103 PC Kit



88-160-7

88-182-1

**Utility Kit:**

16 Cylinder Points, 24 Bullet Points, 8 Tapered Wheels, 24 Straight Wheels, 8 Straight Points (all in various grits), 4 Wheel Mandrels & Carrying Case

Part Number	Description
88-160-7	Complete 85 PC Kit

**Hand Finishing Kit:**

8 Round Pencils, 4 Rectangular Sticks, 4 Square Sticks (all in various grits) & Carrying Case

Part Number	Description
88-182-1	Complete 17 PC Kit

## FILES & ABRASIVES

### Sanding Drum & Sleeve Kits

*True Running, No Wobble*

SDK-15



- Precision ground, extruded live rubber for better life & performance.
- Aluminum oxide, resin bond sanding sleeves with cloth backing.
- Abrasive sleeves are easily secured in place by user controlled expansion of the solid rubber drum spindle.
- Will not break apart even under the most demanding tasks.

#### General Purpose Kit:

Five Drums (1/2" x 1/2", 3/4" x 1", 1" x 1", 1-1/2" x 1-1/2", 2" x 1-1/2") & Ten Sleeves (1 fine & 1 coarse for each drum size)

#### 2" Extra Long Kit:

Four Drums (1/2" x 2", 3/4" x 2", 1" x 2", 1-1/2" x 2") & Eight Sleeves (1 fine & 1 coarse for each drum size)

Part Number	Type	Shank Diameter
SDK-15	General Purpose Kit	1/8" & 1/4"
SDK-12	2" Extra Long Kit	1/4"

### Replacement Spiral Coated Sanding Sleeves



- Aluminum oxide, resin bond with cloth backing.
- Will not break apart even under the most demanding tasks.

#### General Purpose 6 PC Sleeve Packs - For Kit SDK-15

D x W	Coarse	Medium	Fine	9 PC Mix*
1/2" x 1/2"	808-6-C	808-6-M	808-6-F	808-9
3/4" x 1"	1216-6-C	1216-6-M	1216-6-F	1216-9
1" x 1"	1616-6-C	1616-6-M	1616-6-F	1616-9
1-1/2" x 1-1/2"	2424-6-C	2424-6-M	2424-6-F	2424-9
2" x 1-1/2"	3224-6-C	3224-6-M	3224-6-F	3224-9

#### 2" Extra Long 6 PC Sleeve Packs - For Kit SDK-12

D x W	Coarse	Medium	Fine	9 PC Mix*
1/2" x 2"	832-6-C	832-6-M	832-6-F	832-9
3/4" x 2"	1232-6-C	1232-6-M	1232-6-F	1232-9
1" x 2"	1632-6-C	1632-6-M	1632-6-F	1632-9
1-1/2" x 2"	2432-6-C	2432-6-M	2432-6-F	2432-9

\* Mix packs include three sleeves in each grade.

### Replacement Sanding Drums



**NEW**

#### Standard Lock Style

- Rubber expansion is controlled by turning hex nut
- Rubber spindle is seated directly on the mandrel (arbor).

Part Number	Drum Dia.	Drum Width
8008-02NL	1/2"	1/2"
8032-04NL	1/2"	2"
12016-04NL	3/4"	1"
12032-04NL	3/4"	2"
16016-04NL	1"	1"
16032-04NL	1"	2"
24024-04NL	1-1/2"	1-1/2"
24032-04NL	1-1/2"	2"
32024-04NL	2"	1-1/2"

NOTE: Other sizes and styles available, please inquire.

### Seat Track Cleaners

*Leaves A Superior Surface Finish*



*Non-Loading On Aluminum*

- Designed for cleaning all the interior surfaces of the seat track.
- Removes caked on sludge dirt while also removing minor burrs.
- Reinforced non-woven cotton fiber & abrasive grain bonded discs.

Part Number	Grit	Shank	Overall Length
350029	Coarse	1/4" x 1-1/2"	1-7/8" (48 mm)
350030	Medium	1/4" x 1-1/2"	1-7/8" (48 mm)

### Cotton Fiber Mounted Point Test Kits

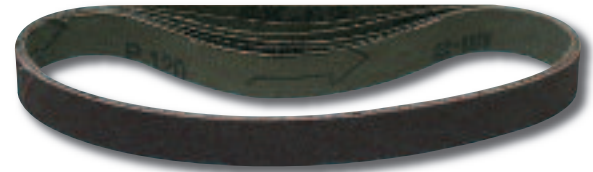


- Non-loading on aluminum, brass, and other non-ferrous metals.
- Smooth chatter free grinding, deburr & polish in one easy step.
- Controlled metal removal without changing part geometry.
- Ideal for stainless steel, aluminum, mild steel & exotics.

Part Number	Description	Shank
70383	13 PC Mini Assortment	1/8"
70385	13 PC Standard Assortment	1/4"
70387	13 PC Large Assortment	1/4"

High Performance Abrasive Belts

- Premium quality - recommended for medium to heavy grinding & finishing.
- For use on regular & high tensile steel, cast iron, non-ferrous materials & alloys.



Grain	Bond	Backing	Structure
Aluminum Oxide	Resin Over Resin	'X' Weight Poly Cotton	Closed Coat

Note: Many other styles & sizes available, please inquire.

1/8" x 24"		1/4" x 12"		1/4" x 24"		1/2" x 12"		1/2" x 24"		3/4" x 18"	
Part No.	Grit	Part No.	Grit	Part No.	Grit	Part No.	Grit	Part No.	Grit	Part No.	Grit
—	36	—	36	—	36	10675	36	10683	36	10691	36
—	40	—	40	—	40	10676	40	10684	40	10692	40
—	50	—	50	—	50	10677	50	10685	50	10693	50
14273	60	23030	60	14315	60	10678	60	10686	60	10694	60
14274	80	14-1591	80	14316	80	10679	80	10687	80	10695	80
14275	100	—	100	34728	100	10680	100	10688	100	10696	100
14276	120	25540	120	14318	120	10681	120	10689	120	10697	120
33526	180	14-1596	180	14320	180	10682	180	10690	180	10698	180

1" x 12"		1" x 24"		1" x 30"		2" x 30"		4" x 60"		6" x 48"	
Part No.	Grit	Part No.	Grit	Part No.	Grit	Part No.	Grit	Part No.	Grit	Part No.	Grit
10708	36	14507	36	10726	36	34094	36	10969	36	11032	36
10709	40	14508	40	10727	40	—	40	10970	40	11033	40
10710	50	14509	50	10728	50	—	50	10971	50	11034	50
10711	60	14510	60	10729	60	20132	60	10972	60	11035	60
10712	80	14511	80	10730	80	18572	80	10973	80	11036	80
10713	100	14512	100	10731	100	—	100	10974	100	11037	100
10714	120	14513	120	10732	120	20134	120	10975	120	11038	120
10715	180	14514	180	10733	180	20136	180	10976	180	11039	180

Pencil End Wire Brushes

Ideal For Aircraft Maintenance



70193

- Small brushes designed for cleaning blind holes and small crevices.
- For use with chucked tools.



Note: For pilot bonding brushes see page 95.

1/4" Shank Diameter, .012" Wire Diameter			
Part Number	Wire Type	RPM	'T' Trim Length*
70193	Carbon Steel	4000 to 6000 (8000 max.)	3/8" (3/16" diameter)
70194	Stainless Steel (INOX)	3000 to 5000 (8000 max.)	3/8" (3/16" diameter)

\* The metal shank/tube can be cut back to expose desired filament length.

Non-Marring Pry Wedges



- Orange polyethylene wedges are perfect for gentle prying jobs.
- Black polycarbonate wedges are designed for tough prying work.
- Specially designed slim profile - great for tight spaces.

Part Number	Description	Color
70220	3PC Polyethylene Set (flexible)	Orange
70221	3PC Polycarbonate Set (hard)	Black