

ARC ABRASIVES

Abrasive Belts
Narrow



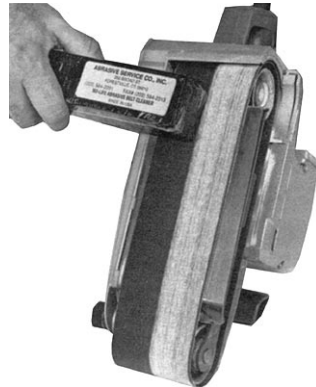
Aluminum oxide backing, 65% polyester and 35% cotton. Phenolic resin bonding. For steel, aluminum casting, ferrous metal, soft and hard wood applications. 14" to 52" wide belts and other sizes available.

No.	Size In.	Grit	Pkg. Qty.
...70072	1/2x12	36	50
/82970076B	1/2x12	60	50
/82970077B	1/2x12	80	50
...70077	1/2x12	100	50
...70078	1/2x12	120	50
...70080	1/2x12	180	50
/82970522	3x21	36	10
/82970523	3x21	40	10
/82970524	3x21	50	10
/82970525	3x21	60	10
/82970527	3x21	100	10
/82970528	3x21	120	10
/82970546	3x24	36	10
/82970547	3x24	40	10
/82970548	3x24	50	10
/82970549	3x24	60	10
/82970550	3x24	80	10
/82970551	3x24	100	10
/82970552	3x24	120	10
/82970714	4x21	36	10
/82970716	4x21	50	10
/82970717	4x21	60	10
/82970718	4x21	80	10
/82970719	4x21	100	10
/82970720	4x21	120	10
...70721	4x21	150	10
...70722	4x21	180	10
/82970738	4x24	36	10
/82970739	4x24	40	10
/82970740	4x24	50	10
/82970741	4x24	60	10
/82970742	4x24	80	10
/82970743	4x24	100	10
/82970744	4x24	120	10
/82970745	4x24	150	10
/82970886B	4x132	80	10
...70887	4x132	100	10
...70888	4x132	120	10
...70889	4x132	150	10
...70991	4x132	240	10
...70990	6x48	36	10
/82970991	6x48	40	10
...70992	6x48	50	10
/82970993	6x48	60	10
/82970994	6x48	80	10
...70995	6x48	100	10
...70996	6x48	120	10
...70998	6x48	180	10
...70999	6x48	240	10

We welcome the opportunity to quote on any special tools which you may require.

BELT CLEANERS

Abrasive

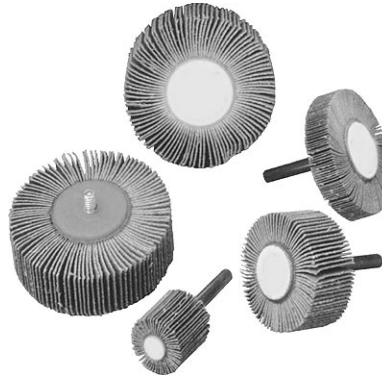


Smoked rubber. Safe for wood, metal, plastic, glass, leather. 1 5/8"x1 5/8"x8 1/4". Other sizes available.

No.	Desc.
/8290010	Abrasive Belt Cleaner

UNITED ABRASIVES

Flap Wheels
 Straight - 1/4" Mandrel



Made from aluminum oxide grain with resin over resin adhesive. For cleaning, deburring, polishing and blending of ferrous and/or nonferrous metals including iron, steel, aluminum and copper. Also for use with wood, plastic and fiberglass. For mandrel mounted fixed 1/4" shank machines. 5/pkg.

No.	Dia. In.	Wdth. In.	Max. rpm	Grit
...70001	1	3/4	25000	60
...70002	1	3/4	25000	80
/83070003	1	3/4	25000	120
...70004	1	3/4	25000	180
...70005	1	3/4	25000	240
/79570010	1	1	25000	60
/79570011	1	1	25000	80
/79570012	1	1	25000	120
/79570013	1	1	25000	180
.....	1	1	25000	240
.....	1 1/2	1/2	25000	60
.....	1 1/2	1/2	25000	80
.....	1 1/2	1/2	25000	120
.....	1 1/2	1/2	25000	180
.....	1 1/2	1/2	25000	240
/79570040	1 1/2	1	25000	60
.....	1 1/2	1	25000	80
.....	1 1/2	1	25000	120
.....	1 1/2	1	25000	180

No.	Dia. In.	Wdth. In.	Max. rpm	Grit
.....	1 1/2	1	25000	240
/83070050	2	1	25000	60
/83070051	2	1	25000	80
/83070052	2	1	25000	120
/83070053	2	1	25000	180
.....	2	1	25000	240
.....	2 1/2	1/2	25000	60
/83070061	2 1/2	1/2	25000	80
.....	2 1/2	1/2	25000	120
.....	2 1/2	1/2	25000	180
.....	2 1/2	1/2	25000	240
.....	2 1/2	1	25000	60
/83070071	2 1/2	1	25000	80
/83070072	2 1/2	1	25000	120
.....	2 1/2	1	25000	180
.....	2 1/2	1	25000	240
.....	3	1/2	20000	60
/83070081	3	1/2	20000	80
/83070082	3	1/2	20000	120
.....	3	1/2	20000	180
.....	3	1/2	20000	240
.....	3	3/4	20000	60
.....	3	3/4	20000	80
.....	3	3/4	20000	120
.....	3	3/4	20000	180
.....	3	3/4	20000	240
/83070100	3	1	20000	60
/83070101	3	1	20000	80
/83070102	3	1	20000	120
/83070103	3	1	20000	180
/83070104	3	1	20000	240

UNITED ABRASIVES

Flap Wheels



Made from aluminum oxide grain, resin bond cloth. 5/8" to 1" bushings available with order.

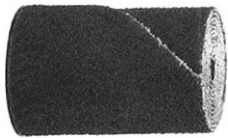
No.	Dia. In.	Wdth. In.	Spindle In.	Max. rpm	Grit	Pkg. Qty.
/83072000	6	1	1	6000	60	5
/83072001	6	1	1	6000	80	5
.....	6	1	1	6000	100	5
.....	6	1	1	6000	120	5
.....	6	1 1/2	1	6000	60	5
/83072021	6	1 1/2	1	6000	80	5
.....	6	1 1/2	1	6000	100	5
.....	6	1 1/2	1	6000	120	5
/83072030	6	2	1	6000	60	5
/83072031	6	2	1	6000	80	5
.....	6	2	1	6000	100	5
/83072033	6	2	1	6000	120	5
.....	8	1	1	4400	60	3
.....	8	1	1	4400	80	3
.....	8	1	1	4400	100	3
.....	8	1	1	4400	120	3
.....	8	2	1	4400	60	3
.....	8	2	1	4400	80	3
.....	8	2	1	4400	100	3
.....	8	2	1	4400	120	3



6863 Commerce Drive
Next To I-80
Hubbard, Ohio 44425

Phone: (330) 534-8171
Fax: (330) 534-8179
Toll Free: (800) 533-8171

ARC ABRASIVES
Straight Cartridge Rolls



Aluminum oxide resin bond cloth. Multi-layered construction. Used for finishing inside diameters, dead-end holes, lapping operations. Self-renewing. Silicon carbide, zirconia alumina glue bond available. 100/pkg.

Other sizes and grit ranges available.

No.	Dia. In.	Lgth. In.	rpm	Grit
Arbor Hole 3/32"				
...21129	3/16	3/4	26000	80
...21130	3/16	3/4	26000	100
...21131	3/16	3/4	26000	120
...21133	3/16	3/4	26000	180
...21134	3/16	3/4	26000	240
...21136	3/16	1	26000	80
...21137	3/16	1	26000	100
...21138	3/16	1	26000	120
...21140	3/16	1	26000	180
...21141	3/16	1	26000	240
Arbor Hole 1/8"				
...21151	1/4	3/4	26000	60
...21152	1/4	3/4	26000	80
...21153	1/4	3/4	26000	100
...21154	1/4	3/4	26000	120
...21156	1/4	3/4	26000	180
...21157	1/4	3/4	26000	240
...21158Z9	1/4	1	26000	50
...21159	1/4	1	26000	60
...21160	1/4	1	26000	80
...21161	1/4	1	26000	100
...21162	1/4	1	26000	120
...21163	1/4	1	26000	150
...21164	1/4	1	26000	180
...21165	1/4	1	26000	240
...21166	1/4	1	26000	320
/836025150060	1/4	1 1/2	26000	60
...21168	1/4	1 1/2	26000	80
...21169	1/4	1 1/2	26000	100
...21170	1/4	1 1/2	26000	120
...21171	1/4	1 1/2	26000	150
...21172	1/4	1 1/2	26000	180
...21173	1/4	1 1/2	26000	240
...21211	5/16	1	26000	60
...21212	5/16	1	26000	80
...21213	5/16	1	26000	100
...21214	5/16	1	26000	120
...21216	5/16	1	26000	180
...21217	5/16	1	26000	240
...21218	5/16	1	26000	320
...21224	5/16	1 1/2	26000	80
...21225	5/16	1 1/2	26000	100
...21226	5/16	1 1/2	26000	120
...21228	5/16	1 1/2	26000	180
...21229	5/16	1 1/2	26000	240
...21270	3/8	1	26000	50
...21271	3/8	1	26000	60
/836037100080	3/8	1	26000	80
...21273	3/8	1	26000	100
...21274	3/8	1	26000	120
...21275	3/8	1	26000	150
...21276	3/8	1	26000	180
/836037150240	3/8	1	26000	240
...21278	3/8	1	26000	320
...21282	3/8	1 1/2	26000	50
...21283	3/8	1 1/2	26000	60

No.	Dia. In.	Lgth. In.	rpm	Grit
...21284	3/8	1 1/2	26000	80
...21285	3/8	1 1/2	26000	100
...21286	3/8	1 1/2	26000	120
...21288	3/8	1 1/2	26000	180
...21289	3/8	1 1/2	26000	240
...21295	3/8	2	26000	60
...21296	3/8	2	26000	80
...21297	3/8	2	26000	100
...21298	3/8	2	26000	120
...21300	3/8	2	26000	180
...21319	1/2	3/4	26000	60
...21320	1/2	3/4	26000	80
...21321	1/2	3/4	26000	100
...21322	1/2	3/4	26000	120
...21324	1/2	3/4	26000	180
...21325	1/2	3/4	26000	240
...21329	1/2	1	26000	40
...21330	1/2	1	26000	50
...21331	1/2	1	26000	60
...21332	1/2	1	26000	80
...21333	1/2	1	26000	100
...21334	1/2	1	26000	120
...21336	1/2	1	26000	180
...21337	1/2	1	26000	240
...21338	1/2	1	26000	320
...21340	1/2	1 1/2	26000	36
...21341	1/2	1 1/2	26000	40
...21342	1/2	1 1/2	26000	50
...21343	1/2	1 1/2	26000	60
/836050150080	1/2	1 1/2	26000	80
...21345	1/2	1 1/2	26000	100
...21346	1/2	1 1/2	26000	120
...21347	1/2	1 1/2	26000	150
...21348	1/2	1 1/2	26000	180
...21348GR	1/2	1 1/2	26000	220
...21349	1/2	1 1/2	26000	240
...21350	1/2	1 1/2	26000	320
...21354	1/2	2	26000	50
...21355	1/2	2	26000	60
...21356	1/2	2	26000	80
...21357	1/2	2	26000	100
...21358	1/2	2	26000	120
...21360	1/2	2	26000	180
...21361	1/2	2	26000	240

No.	Dia. In.	Lgth. In.	rpm	Grit
Arbor Hole 3/16"				
...21438	5/8	1	18000	50
...21439	5/8	1	18000	60
...21440	5/8	1	18000	80
...21441	5/8	1	18000	100
...21442	5/8	1	18000	120
...21444	5/8	1	18000	180
...21445	5/8	1	18000	240
...21450	5/8	1 1/2	18000	50
...21451	5/8	1 1/2	18000	60
...21452	5/8	1 1/2	18000	80
...21453	5/8	1 1/2	18000	100
...21454	5/8	1 1/2	18000	120
...21456	5/8	1 1/2	18000	180
...21457	5/8	1 1/2	18000	240
...21462	5/8	2	18000	50
...21463	5/8	2	18000	60
...21464	5/8	2	18000	80
...21465	5/8	2	18000	100
...21466	5/8	2	18000	120
...21468	5/8	2	18000	180
...21469	5/8	2	18000	240
...21522	3/4	1	18000	50
...21523	3/4	1	18000	60
...21524	3/4	1	18000	80
...21525	3/4	1	18000	100
...21526	3/4	1	18000	120
...21528	3/4	1	18000	180
...21529	3/4	1	18000	240
...21534	3/4	1 1/2	18000	50
...21535	3/4	1 1/2	18000	60
/836075150080	3/4	1 1/2	18000	80
...21537	3/4	1 1/2	18000	100
/836075150120	3/4	1 1/2	18000	120
...21540	3/4	1 1/2	18000	180

No.	Dia. In.	Lgth. In.	rpm	Grit
...21541	3/4	1 1/2	18000	240
...21546	3/4	2	18000	50
...21547	3/4	2	18000	60
/836075200018	3/4	2	18000	80
...21549	3/4	2	18000	100
...21550	3/4	2	18000	120
...21552	3/4	2	18000	180
...21553	3/4	2	18000	240
...21787	1	1 1/2	15000	60
/836100150080	1	1 1/2	15000	80
...21790	1	1 1/2	15000	100
...21792	1	1 1/2	15000	120

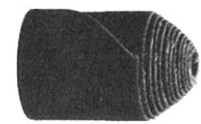
Arbor Hole 1/4"

...21618	3/4	1 1/2	15000	50
...21619	3/4	1 1/2	15000	60
...21620	3/4	1 1/2	15000	80
...21622	3/4	1 1/2	15000	100
...21624	3/4	1 1/2	15000	120
...21678	1	1	15000	50
...21679	1	1	15000	60
...21680	1	1	15000	80
...21681	1	1	15000	100
...21682	1	1	15000	120
...21684	1	1	15000	180
...21685	1	1	15000	240
...21796	1	1 1/2	15000	36
...21798	1	1 1/2	15000	50
...21799	1	1 1/2	15000	60
...21800	1	1 1/2	15000	80
...21801	1	1 1/2	15000	100
...21802	1	1 1/2	15000	120
...21804	1	1 1/2	15000	180
...21805	1	1 1/2	15000	240
...21918	1	2	15000	50
...21919	1	2	15000	60
...21920	1	2	15000	80
...21921	1	2	15000	100
...21922	1	2	15000	120
...21924	1	2	15000	180
...21925	1	2	15000	240

ARC ABRASIVES
Abrasive Rolls



Full Taper



Sidewall



Half Taper

For finishing jobs with angles, channels and irregular contours. Self-renewing. Tightly and uniformly wound. Aluminum oxide resin bond cloth. 100/pkg.

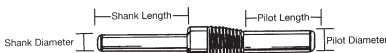
Please specify shape when ordering.

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No.	Dia. In.	Lgth. In.	Arbor Hole In.	rpm	Grit
...23105	3/8	1	1/8	26000	60
...23106	3/8	1	1/8	26000	80
...23108	3/8	1	1/8	26000	120
...23110	3/8	1	1/8	26000	180
...23141	1/2	1	1/8	26000	60
/836050100080T	1/2	1	1/8	26000	80
...23144	1/2	1	1/8	26000	120
...23146	1/2	1	1/8	26000	180
...23177	5/8	1	1/8	18000	60
...23178	5/8	1	1/8	18000	80
...23180	5/8	1	1/8	18000	120
...23182	5/8	1	1/8	18000	180
...23213	3/4	1	1/8	18000	60
...23214	3/4	1	1/8	18000	80
...23216	3/4	1	1/8	18000	120
...23218	3/4	1	1/8	18000	180
...23285	3/8	1 1/2	1/8	26000	60
...23286	3/8	1 1/2	1/8	26000	80
...23288	3/8	1 1/2	1/8	26000	120
...23290	3/8	1 1/2	1/8	26000	180
...23323	1/2	1 1/2	1/8	26000	100
...23326	1/2	1 1/2	1/8	26000	180
...23327	1/2	1 1/2	1/8	26000	240
...23328	1/2	1 1/2	1/8	26000	320
...23357	5/8	1 1/2	1/8	18000	60
...23358	5/8	1 1/2	1/8	18000	80
...23360	5/8	1 1/2	1/8	18000	120
...23362	5/8	1 1/2	1/8	18000	180
...23393	3/4	1 1/2	1/8	18000	60
...23394	3/4	1 1/2	1/8	18000	80
...23396	3/4	1 1/2	1/8	18000	120
...23398	3/4	1 1/2	1/8	18000	180
...23405	3/4	1 1/2	3/16	18000	60
/836075150080T	3/4	1 1/2	3/16	18000	80
/836075150120H	3/4	1 1/2	3/16	18000	120
...23410	3/4	1 1/2	3/16	18000	180
...23465	1/2	2	1/8	26000	60
...23466	1/2	2	1/8	26000	80
...23468	1/2	2	1/8	26000	120
...23537	3/4	2	1/8	18000	60
...23538	3/4	2	1/8	18000	80
...23540	3/4	2	1/8	18000	120
...23542	3/4	2	1/8	18000	180
...23549	3/4	2	3/16	18000	60
/836075200018T	3/4	2	3/16	18000	80
...23552	3/4	2	3/16	18000	120
...23585	1	1	3/16	18000	60
...23586	1	1	3/16	18000	80
...23588	1	1	3/16	18000	120
...23590	1	1	3/16	18000	180
...23609	1	1 1/2	1/8	18000	60
...23610	1	1 1/2	1/8	18000	80
...23612	1	1 1/2	1/8	18000	120
...23614	1	1 1/2	1/8	18000	180
...23621	1	1 1/2	3/16	18000	60
...23622	1	1 1/2	3/16	18000	80
...23624	1	1 1/2	3/16	18000	120
...23626	1	1 1/2	3/16	18000	180
...23633	1	1 1/2	1/4	18000	60
...23634	1	1 1/2	1/4	18000	80
...23636	1	1 1/2	1/4	18000	120
...23657	1	2	3/16	18000	60
...23658	1	2	3/16	18000	80
...23660	1	2	3/16	18000	120
...23662	1	2	3/16	18000	180

ARC ABRASIVES
Mandrels
Cartridge Roll



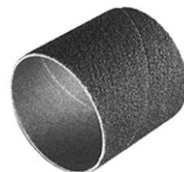
When ordering, choose appropriate size shank diameter for power tool collet or chuck. Check mandrel pilot diameter where cartridge roll or spiral mounted.

Specifications

Cartridge Roll Lgths.	Pilot Dia. In.	Pilot Lgth. In.	Shank Dia. In.	Use Pilot Lgth.
3/4	5/64	1	1/8	1/2
1	3/32	1	1/8	3/4
1 1/2	1/8	1/2	1/8	1
2	1/8	3/4	1/8	1 1/2

No.	Pilot Dia. In.	Pilot Lgth. In.	Shank Dia. In.
...50101	5/64	1	1/8
...50102	3/32	1	1/8
...50103	1/8	1/2	1/8
...50104	1/8	3/4	1/8
...50105	1/8	1	1/8
...50106	1/8	1 1/2	1/8
...50107	1/8	1/2	1/4
...50108	1/8	3/4	1/4
...50109	1/8	1	1/4
...50110	1/8	1 1/2	1/4
...50111	1/8	2	1/4
...50114	3/16	1/2	1/4
...50115	3/16	3/4	1/4
...50116	3/16	1	1/4
...50117	3/16	1 1/2	1/4
...50118	3/16	2	1/4
...50119	1/4	1/2	1/4
...50120	1/4	3/4	1/4
...50121	1/4	1	1/4
...50122	1/4	1 1/2	1/4
...50123	1/4	2	1/4
...50124	5/16	3/4	1/4
...50125	5/16	1	1/4
...50126	5/16	1 1/2	1/4
...50127	5/16	2	1/4

ARC ABRASIVES
No Lap Bands
Resin Bond

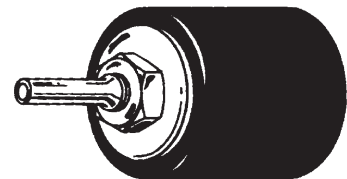


Aluminum oxide resin bond cloth. Bonded to inner cloth liner. Use on expanding rubber drums. Cut fast. Leave smooth finish to curved and contoured surfaces. Zirconia alumina available. Additional sizes and grits available upon request. 100/pkg.

No.	Dia. In.	Wdth. In.	Grit
/8340505060	1/2	1/2	60
/83405100080	1/2	1	80
/834075075060	3/4	3/4	60
/834075075080	3/4	3/4	80
/834075100050	3/4	1	50
/834075100080	3/4	1	80
/834075100100	3/4	1	100
/834100100036	1	1	36
/834100100040	1	1	40
/834100100050	1	1	50
/834100100060	1	1	60
/834100100080	1	1	80
/834100100100	1	1	100
/834100100120	1	1	120
/834100150040	1	1 1/2	40
/834100150060	1	1 1/2	60
/834100150080	1	1 1/2	80
/834100150100	1	1 1/2	100
/834100200040	1	2	40
/834100200060	1	2	60
/834100200080	1	2	80

No.	Dia. In.	Wdth. In.	Grit
/834100200100	1	2	100
/834150150036	1 1/2	1 1/2	36
/834150150040	1 1/2	1 1/2	40
/834150150050	1 1/2	1 1/2	50
/834150150060	1 1/2	1 1/2	60
/834150150080	1 1/2	1 1/2	80
/834150150100	1 1/2	1 1/2	100
/834150150120	1 1/2	1 1/2	120
/834150200036	1 1/2	2	36
/834150200060	1 1/2	2	60
/834150200080	1 1/2	2	80
/834150200120	1 1/2	2	120
/834200100040	2	1	40
/834200100060	2	1	60
/834200100080	2	1	80
/834200100100	2	1	100
/834200100120	2	1	120
/834200150036	2	1 1/2	36
/834200150060	2	1 1/2	60
/834200150080	2	1 1/2	80
/834200150120	2	1 1/2	120
/834200200036	2	2	36
/834200200040	2	2	40
/834200200060	2	2	60
/834200200080	2	2	80
/834200200100	2	2	100
/834200200120	2	2	120
/834300200050	3	2	50
/834300200060	3	2	60
/834300300036	3	3	36
/834300300050	3	3	50
/834300300060	3	3	60

ARC ABRASIVES
Expanding Drums
Solid Rubber



Use with no-lap bands. Balanced for maximum performance at high speeds. Construction of 75 durometer live rubber provides controlled expansion.

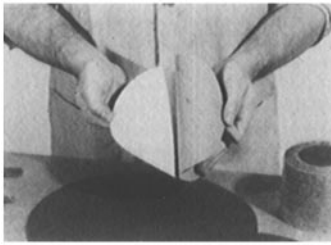
Type 27. Available in arbor hole sizes 1/2", 5/8" and 3/4".

Type 30. Thread sizes available: 3/8"-16, 3/8"-24, 7/16"-14, 1/2"-13, 1/2"-20, 1/2"-24, 5/8"-11.

No.	Drum Dia. In.	Wdth. In.	Shank Dia. In.	Max. Speed rpm
...50521	3/4	1/2	1/4	14000
/83850523	3/4	3/4	1/4	24000
...50524	3/4	1	1/4	19000
/83850525	3/4	1 1/2	1/4	10000
...50526	3/4	2	1/4	9000
/83850533	1	1	1/4	18000
/83850534	1	1 1/2	1/4	10000
/83850535	1	2	1/4	8000
...50537	1	1 1/4	1/4	14000
...50540	1 1/2	1/2	1/4	16000
...50541	1 1/2	3/4	1/4	15000
/83850542	1 1/2	1	1/4	14000
/83850543	1 1/2	1 1/2	1/4	10000
/83850544	1 1/2	2	1/4	7000
/83850547	2	1	1/4	11000
/83850548	2	1 1/2	1/4	8000
/83850549	2	2	1/4	6000
...50549Z9	3	1	1/4	7000
...50550	3	1	3/8	7000
...50552	3	2	3/8	4000
...50553	3	3	1/4	3000
...50554	3	3	3/8	3000

UNITED ABRASIVES

Cloth Discs
Pressure Sensitive Adhesive

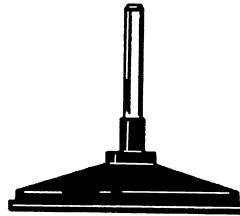


Aluminum oxide grain. Hot melt adhesive back. "X" weight Egyptian cotton cloth backing. Resin-over-resin construction. Applications include ferrous and nonferrous metals such as steel, iron, aluminum, copper, wood, fiberglass and plastic. Additional sizes and grits available upon request.

No.	Size In.	Grit	Pkg. Qty.
/82035020	2	24	50
/82035021	2	36	50
/82035022	2	40	50
/82035023	2	50	50
/82035024	2	60	50
/82035025	2	80	50
/82035026	2	100	50
/82035027	2	120	50
.....	2	150	50
.....	2	180	50
.....	2	220	50
.....	2	240	50
.....	2	320	50
/82035040	3	24	50
/82035041	3	36	50
/82035042	3	40	50
/82035043	3	50	50
/82035044	3	60	50
/82035045	3	80	50
/82035046	3	100	50
/82035047	3	120	50
.....	3	150	50
.....	3	180	50
.....	3	220	50
.....	3	240	50
.....	3	320	50
/82035094	6	24	50
/82035095	6	36	50
/82035096	6	40	50
/82035097	6	50	50
/82035098	6	60	50
/82035099	6	80	50
/82035100	6	100	50
/82035101	6	120	50
/82035102	6	150	50
/82035103	6	180	50
/82035104	6	220	50
/82035105	6	240	50
/82035107	6	320	50
/82035165	12	36	25
/82035166	12	40	25
/82035167	12	50	25
/82035168	12	60	25
/82035169	12	80	25
/82035170	12	100	25
/82035171	12	120	25
.....	12	150	25
.....	12	180	25
.....	12	220	25
.....	12	240	25
.....	12	320	25

ARC ABRASIVES

Cloth Disc Holders
PSA



No.	Dia. In.	Shank Size In.	Max. rpm
...50201	1/2	1/8	22000
...50202	1/2	1/4	22000
...50203	3/4	1/8	22000
...50204	3/4	1/4	22000
...50205	1	1/8	22000
...50206	1	1/4	22000
...50207	1 1/2	1/8	22000
/82095060	1 1/2	1/4	22000
/82095061	2	1/4	15000
/82095062	3	1/4	10000
/82095063	4	1/4	7500
...50212	4	3/8	7500
/82095064	5	1/4	5500
...50214	5	3/8	5500

ARC ABRASIVES

Abrasive Discs

Quick-Lok - Red Arc - Aluminum Oxide Type S



Premium grain. Laminated construction reduces snagging or shredding of cloth. Can be changed without tooling. Center automatically. For contours, deburring, ferrous metals, blending flat surface blemishes. Use in aircraft, appliance, metal fabrication, food equipment applications. Additional sizes and grits available upon request.

No.	Dia. In.	Grit	Pkg. Qty.
/8224526	1	36	100
/8224527	1	40	100
/8284528	1	50	100
/8284529	1	60	100
/8224530	1	80	100
/8224531	1	100	100
/8224533	1	120	100
...31422	1	180	100
...31423	1	240	100
/8224551	1 1/2	36	100
/8224552	1 1/2	40	100
/8224553	1 1/2	50	100
/8224554	1 1/2	60	100
/8224555	1 1/2	80	100
/8224556	1 1/2	100	100
...31444	1 1/2	120	100
...31446	1 1/2	180	100
...31447	1 1/2	240	100
/8224576	2	36	100
/8224577	2	40	100

No.	Dia. In.	Grit	Pkg. Qty.
/8224578	2	50	100
/8224579	2	60	100
/8224580	2	80	100
/8224581	2	100	100
...31456	2	120	100
...31458	2	180	100
...31459	2	240	100
/8224601	3	36	50
/8224602	3	40	50
/8224603	3	50	50
/8224604	3	60	50
/8224605	3	80	50
/8224606	3	100	50
...31468	3	120	50
...31470	3	180	50
...31471	3	240	50

ARC ABRASIVES

Disc Holders

Quick-Lok - Type S

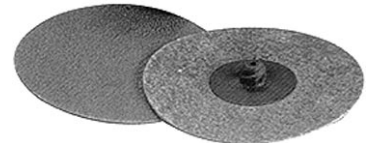
Shank 3/4". Additional sizes and grades available upon request.

No.	Dia. In.	Grade	Max. Speed rpm
...50250	3/4	Medium	40000
/82295076	1	Medium	40000
/82295077	1 1/2	Medium	25000
...50252SF	1 1/2	Soft	25000
/82295079	2	Medium	25000
...50253FM	2	Firm	25000
...50253SF	2	Soft	25000
/82295081	3	Medium	20000
...50254FM	3	Firm	20000
...50254SF	3	Soft	20000

ARC ABRASIVES

Abrasive Discs

Quick-Lok - Red Arc - Aluminum Oxide Type R



Premium grain. Laminated construction reduces snagging or shredding of cloth. Can change without tooling. Center automatically. For blending flat surface blemishes, contours, deburring, ferrous metals. Use in aircraft, appliance, metal fabrication, food equipment applications. Additional sizes and grits available upon request.

No.	Dia. In.	Grit	Pkg. Qty.
...31650	2	36	100
...31651	2	40	100
/82231652	2	50	100
...31653	2	60	100
/82231654	2	80	100
...31655	2	100	100
/82231656	2	120	100
...31658	2	180	100
...31659	2	240	100
...31662	3	36	50
...31663	3	40	50
/82231664	3	50	50
...31665	3	60	50
/82231666	3	80	50
...31667	3	100	50
...31668	3	120	50
...31670	3	180	50
...31671	3	240	50

ARC ABRASIVES

Disc Holders
 Quick-Lok - Type R

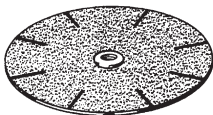


Fast cutting. Anti-clogging agent for non-ferrous metals. Durable, laminated construction reduces snagging or shedding of abrasive cloth.

No.	Dia. In.	Grade
...50257	1x1/4	Med.
...50258	1 1/2x1/4	Med.
...50258SF	1 1/2x1/4	Soft
...50259	2x1/4	Med.
...50259FM	2x1/4	Firm
...50259SF	2x1/4	Soft
...50260	3x1/4	Med.
...50260FM	3x1/4	Firm
...50260SF	3x1/4	Soft

ARC ABRASIVES

Slotted Discs
 Spin-On

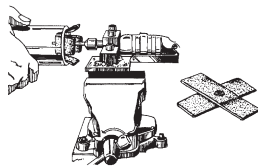


Flexible; constructed to fold like an umbrella on both in and out motion. Use for minimal stock removal. Furnished with threaded eyelets for spin-on mounting and dismounting. Available in aluminum oxide or silicon carbide resin bond or glue bond cloth; grits 36-100 and finer; diameters 3/4"-6".

Complete Information Available on Request.

ARC ABRASIVES

Abrasive Cross Pads

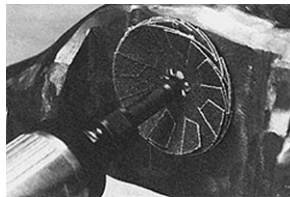


Aluminum oxide resin bond cloth. Flexible; provide controlled metal finishing. For deburring and cleaning inside diameters and concave surfaces. Easily spin on and off.

Complete Information Available on Request.

ARC ABRASIVES

Overlap Discs
 Spin-On



Debur front edge of cylinder upon entry and abrade and polish interior as they progress through. May be used as sets of 2 or sets of 4. Available in aluminum oxide or silicon carbide resin bond or glue bond cloth; grits 36-100 and finer; diameters 3/4"-6".

Complete Information Available on Request.

UNITED ABRASIVES

Fiber Discs
 Aluminum Oxide



Resin-over-resin construction with vulcanized fiber backing. Bond resists heat and moisture.

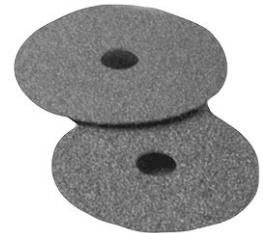
2A. Aluminum oxide grain. Closed coat structure. Use for general purpose grinding and finishing on ferrous and nonferrous metals as well as wood and fiberglass.

No.	Dim. In.	Grit	Pkg. Qty.
Blue Line™ - 2A - Closed Coat			
.....	4x5/8	24	20
.....	4x5/8	36	20
.....	4x5/8	50	25
.....	4x5/8	60	25
/82450004	4x5/8	80	25
Bulk - 2A - Closed Coat			
/82451024B	4 1/2x7/8	24	100
/82451036B	4 1/2x7/8	36	100
/82451050B	4 1/2x7/8	50	100
/82451060B	4 1/2x7/8	60	100
/82451080B	4 1/2x7/8	80	100
/82451100B	4 1/2x7/8	100	100
/82451120B	4 1/2x7/8	120	100
/82453024B	5x7/8	24	100
/82453036B	5x7/8	36	100
/82453050B	5x7/8	50	100
/82453060B	5x7/8	60	100
/82453080B	5x7/8	80	100
/82453100B	5x7/8	100	100
/82453120B	5x7/8	120	100
/82457016B	7x1/8	16	100

No.	Dim. In.	Grit	Pkg. Qty.
/82457024B	7x7/8	24	100
/82457036B	7x7/8	36	100
/82457050B	7x7/8	50	100
/82457060B	7x7/8	60	100
/82457080B	7x7/8	80	100
/82457090B	7x7/8	100	100
/82457120B	7x7/8	120	100
/82458016B	9 1/8x7/8	16	100
/82458024B	9 1/8x7/8	24	100
/82458036B	9 1/8x7/8	36	100
/82458050B	9 1/8x7/8	50	100
/82458060B	9 1/8x7/8	60	100
/82458080B	9 1/8x7/8	80	100
/82458090B	9 1/8x7/8	100	100
/82458120B	9 1/8x7/8	120	100

UNITED ABRASIVES

Abrasive Discs
 Zirconium Fiber



Resin over resin construction. Vulcanized fiber backing. Available with SAIT-LOK™ quick change hub. Available in 2 types of packaging. Strong bond resistant to heat and moisture. For heavy duty sanding. Extend disc life and require fewer disc changes. For retail and industrial consumers. High quality blue zirconium grain. Fast, cool cutting action combined with long life. Closed coat structure for more material removal with extremely long life. Primary application: stainless steel, high tensile alloys. Secondary application: ferrous and/or non-ferrous metals including iron, steel and welds. UPC bar coded Blue Line™ packaging or industrial bulk pack of 100 pieces.

No.	Grit	Size ZX	Pkg. Qty.
Bulk			
/82459224B	24	4 1/2x7/8	20
.....	36	4 1/2x7/8	20
/82459260B	50	4 1/2x7/8	25
.....	60	4 1/2x7/8	25
.....	80	4 1/2x7/8	25
/82459336B	24	5x7/8	20
/82459350B	36	5x7/8	20
.....	50	5x7/8	25
/82459380B	60	5x7/8	25
.....	80	5x7/8	25
/82459636B	24	7x7/8	20
/82459650B	36	7x7/8	20
.....	50	7x7/8	25
/82459680B	60	7x7/8	25
.....	80	7x7/8	25
.....	24	9 1/8x7/8	20
.....	36	9 1/8x7/8	20
/82459860B	50	9 1/8x7/8	25
.....	60	9 1/8x7/8	25
.....	80	9 1/8x7/8	25

UNITED ABRASIVES

Abrasive Flap Discs



Combination grinding/blending. Resin-over-resin construction. Strong bond to resist heat and moisture.

ZH. Alumina zirconium grain. Fast, cool cutting action for high pressure grinding. Long life. Closed coat structure for more material removal. "H" weight polyester backing. Applications include stainless steel, high tensile alloys, ferrous and nonferrous metals.

No.	Dia. In.	Arbor Size	rpm	Grit	Pkg. Qty.
Saitlam - ZH Zirconium					
/83073540	4 1/2	7/8	11000	40	20
/83073736	6 1/2	7/8	8600	36	10

UNITED ABRASIVES

Abrasive Shop Rolls



Aluminum oxide grain. 50 yd. length. Open coat structure. Egyptian cotton cloth backing. Resin-over-resin construction. Applications include ferrous and nonferrous metals such as iron, aluminum, copper, normal and high tensile steel, wood and fiberglass.

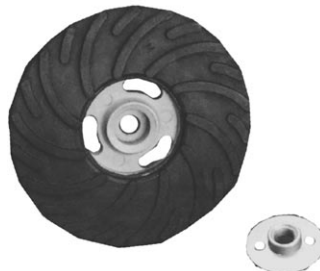
DAF - Handy Rolls. High flexibility. Low tensile strength for hand applications.

No.	Wdth. In.	Grit
DAF Handy Rolls		
/82680405	1	40
/82680505	1	50
/82680605	1	60
/82680805	1	80
/82681005	1	100
/82681205	1	120
/82681505	1	150
/82681805	1	180
/82682205	1	220
/82682405	1	240
/82683205	1	320
.....	1	400
/82680406	1 1/2	40
/82680506	1 1/2	50
/82680606	1 1/2	60
/82680806	1 1/2	80
/82681006	1 1/2	100
/82681206	1 1/2	120
/82681506	1 1/2	150
/82681806	1 1/2	180

No.	Wdth. In.	Grit
/82682206	1 1/2	220
/82682406	1 1/2	240
/82683206	1 1/2	320
/82683406	1 1/2	400
/82680420	2	40
/82680520	2	50
/82680620	2	60
/82680820	2	80
/82681020	2	100
/82681220	2	120
/82681520	2	150
/82681820	2	180
/82682220	2	220
/82682420	2	240
/82683220	2	320
.....	2	400

UNITED ABRASIVES

Abrasive Accessories



Backing Pads

Spiralcool™ Backing Pads. Spiral ribs provide contact points and form channels for air flow, extending disc life. For resin fiber discs. Supplied with nut. Not to be used with SAIT-LOK™ quick change fiber discs.

Spiralcool™ Backing Pads

No.	Size In.	Arbor Size	Max. rpm
Soft			
.....	7	5/8-11	7000
.....	9	5/8-11	6500
Medium			
/82495010	4	5/8-11	12000
/82495011	4 1/2	5/8	11000
/82495012	4 1/2	1/2	11000
/82495013	4 1/2	10 mm	11000
/82495015	4 1/2	14 mm	11000
/82495016	5	5/8	10000
/82495018	7	5/8-11	8500
/82495021	9	5/8-11	6500
Hard			
.....	7	5/8-11	8500
.....	9	5/8-11	6500



SAIT-LOK™ Backing Pad

SAIT-LOK™ Backing Pads. Smooth face. Supplied with nut and washers.

SAIT-LOCK™ Backing Pads

No.	Size In.
.....	4 1/2 x 5/8-11
.....	4 1/2 x 5/8-11
.....	5 x 5/8-11
.....	5 x 5/8-11
.....	7 x 5/8-11
.....	9 x 5/8-11



1/4" Shank Pad

PSA Backing Pads. For use with PSA adhesive-backed sanding discs.

Shank Pads. 1/4". For use with adhesive-backed sanding discs.

Threaded Pads. For dual action/random orbital sanders and right angle grinders/sanders.

PSA Backing Pads

No.	Size In.
1/4" Shank Pads	
.....	1 1/2 x 1/4
.....	2 x 1/4
.....	3 x 1/4
.....	4 x 1/4
.....	5 x 1/4

Threaded Pads

.....	5 x 5/16-24
.....	6 x 5/16-24
.....	5 x 5/16-24
.....	7 x 5/8-11
.....	8 x 5/8-11



Challenger Backing Pads

Challenger Backing Pads. For use with challenger flexible grinding/blending wheels. Include 5/8-11 nut and pad.

Challenger Backing Pads

No.	Desc.
/82495039	For 4 1/2" & 5"
/82495038	For 7"



Center Nuts

Center Nuts. For attaching fiber discs to backing pad and tool.

No. /82495040. For 4", 4 1/2", 5" dia. pads.

No. /82495041. For 7" and 9" dia. pads.

Continued on next page

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Center Nuts

No.	Size
/82495040	5/8"-11" Sm.
/82495041	5/8"-11" Lg.
.....	1/2"-13"
/82495044	10 mm x 1.25 mm
.....	10 mm x 1.50 mm
.....	14 mm x 2 mm



Spanner Wrenches

Spanner Wrenches. For tightening and loosening center nuts. Fit all center nuts.

Spanner Wrenches

No.	Desc.
.....	Adjustable



Reusable Adapter

Reusable Adapter. For use on type 1 and type 27 reinforced wheels with 7/8" arbor, maximum diameter of 5" and wheel thickness of .045" to 1/8".

Reusable 5/8-11 Adapters

No.	Desc.
.....	Reusable Adapters

Reusable Adapter Kits. For use with type 27 wheels on 7" and 9" 5/8-11 spindle grinders. Alternative to throwaway hub.

Reusable Adapter Kits

No.	Desc.
/82495000	Type 27 Reusable Adapter Kit



Resin Fiber Disc Holder

Resin Fiber Disc Holders. For storing fiber discs. Prevents curling due to changes in humidity.

Resin Fiber Disc Holders

No.	Desc.
.....	Resin Fiber Disc Holder



Palm Hand Sanders

Palm Hand Sanders. For more uniform finish when hand sanding.

Palm Hand Sanders

No.	Size In.
.....	For Use w/PSA Discs
.....	5
.....	6
.....	For Use w/Sand-Light™ Discs
.....	5
.....	6

ARC ABRASIVES

Abrasive Sheets

Cloth. 9"x11" size. Aluminum oxide J-weight available in 36 thru 100 and finer grits, J-weight crocus available 100 and finer. Standard package, 500 sheets, except 36 grit which is 250.

Emery Cloth. 9"x11" size. Available in fine, medium and coarse. Standard package, 500 sheets. Sand screen; 9"x11" size. Aluminum oxide, available in 60 thru 180 and finer grits. Standard package, 250 sheets.

Flint Paper. 9"x10" size. Available in extra fine, fine, medium, coarse and extra coarse. Standard package, 1000 sheets, except coarse and extra coarse which are 500 sheets.

Waterproof Paper. 9"x11" size. Available in 60 thru 180 grits in silicon carbide C-weight. Available in 220 & finer grits silicon carbide A-weight. Standard package, 2000 sheets. Sizes 2 3/4"x9", 3"x8", 3"x11", 3 3/8"x9" and 4 1/2"x5 1/2" are available in 60 thru 180 grits in silicon carbide C-weight; and 200 & finer grits in silicon carbide A-weight. Standard package, 2000 sheets.

Stearate Paper. 9"x11" size. Available in 80 thru 100 & finer grits in aluminum oxide or silicon carbide A-weight; 60 and 80 grits in aluminum oxide D-weight; 100 finer silicon carbide C-weight. Standard package, 500 sheets. Sizes 2 3/4"x9", 3"x8", 3"x11", 3 3/8"x9" and 4 1/2"x5 1/2" are available in 80 thru 100 & finer grits in aluminum oxide or silicon carbide A-weight; 60 and 80 aluminum oxide D-weight; and 100 & finer grits in silicon carbide C-weight. Standard package, 100 & finer, 4000 sheets; 60 and 80, 2000 sheets. Sizes 2 3/4"x17 1/2" and 4 1/2"x11" are available in 80 thru 100 & finer grits in aluminum oxide or silicon carbide A-weight; 60 & 80 aluminum oxide D-weight; and 100 & finer, 2000 sheets; 60 and 80, 1000 sheets.

Finishing Paper. Sizes 9"x11", 2 3/4"x9", 3"x8", 3"x11", 3 3/8"x9", 4 1/2"x5 1/2", 2 3/4"x17 1/2" and 4 1/2"x11". Available in 80 thru 100 & finer grits in aluminum oxide or garnet A-weight. Standard package, 9"x11", 500 sheets; 2 3/4"x9", 3"x8", 3"x11", 3 3/8"x9", 4 1/2"x5 1/2", 100 & finer, 4000 sheets; 60 and 80, 2000 sheets; 2 3/4"x17 1/2" and 4 1/2"x11", 100 and finer, 2000 sheets; 60 and 80, 1000 sheets.

Cabinet Paper. Sizes 9"x11", 2 3/4"x9", 3"x8", 3"x11", 3 3/8"x9", 4 1/2"x5 1/2", 2 3/4"x17 1/2" and 4 1/2"x11". Available in 36 thru 100 & finer grits in aluminum oxide or garnet C- & D-weight. Standard package, 9"x11", 500 sheets; 2 3/4"x9", 3"x8", 3"x11", 3 3/8"x9", 4 1/2"x5 1/2", 100 & finer, 2000 sheets; 36 thru 80, 1000 sheets.

Complete Information Available on Request.

ARC ABRASIVES

Abrasive Sheets



Open coat for nonloading.

X Weight. Drills. Strong, heavy cloth for use in all ordinary machine sanding operations.

J Weight. Jeans. Lighter, more flexible cloth for use in applications where flexibility desired including contour sanding.

C Weight. Medium light 70# paper. For use in applications where strength and pliability desired including cabinet work. Fine to medium grit.

A Weight. Light, touch 40# paper. For use in applications where fine grits required.

D Weight. Medium heavy 90# paper. Medium and coarse grits.

No.	Wdth. In.	Lgth. In.	Grit	Pkg. Qty.
Aluminum Oxide Resin*				
/82874101	9	11	36X	25
/82874102	9	11	40X	25
/82874103	9	11	50X	50
/82874104	9	11	60J	50
/82874105	9	11	80J	50
/82874106	9	11	100J	50
/82874107	9	11	120J	50
/82874108	9	11	150J	50
/82874109	9	11	180J	50
/82874110	9	11	220J	50
/82874111	9	11	240J	50
...74112	9	11	280J	50
...74113	9	11	320J	50
...74114	9	11	400J	50
...74115	9	11	500J	50
/82874116	9	11	Crocus	50
Emery Cloth*				
/82874117	9	11	Fine	50
/82874118	9	11	Med.	50
/82874119	9	11	Coarse	50

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6863 Commerce Drive
Next To I-80
Hubbard, Ohio 44425

Phone: (330) 534-8171
Fax: (330) 534-8179
Toll Free: (800) 533-8171

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No.	Wdth. In.	Lgth. In.	Grit	Pkg. Qty.
Silicon Carbide - Waterproof				
/82874121	9	11	60C	50
/82874122	9	11	80C	50
/82874123	9	11	100C	50
/82874124	9	11	120C	50
/82874125	9	11	150C	50
/82874126	9	11	180C	50
/82874128	9	11	220A	50
/82874129	9	11	240A	50
/82874130	9	11	280A	50
/82874131	9	11	320A	50
...74133	9	11	400A	50
...74134	9	11	500A	50
...74135	9	11	600A	50

Aluminum Oxide - Finishing				
...74194AW	9	11	80A	100
...74195AW	9	11	100A	100
...74196AW	9	11	120A	100
...74198	9	11	150A	100
/82874199	9	11	180A	100
/82874200	9	11	220A	100
/82874201	9	11	240A	100
...74201GR	9	11	280A	100
/82874202	9	11	320A	100

Aluminum Oxide - Cabinet				
/82874191	9	11	40D	50
/82874192	9	11	50D	50
/82874193	9	11	60D	50
/82874194	9	11	80D	50
/82874195	9	11	100C	100
/82874196	9	11	120C	100
/82874197	9	11	150C	100

Garnet - Finishing				
...74213	9	11	80A	100
...74215	9	11	100A	100
...74217	9	11	120A	100
...74219	9	11	150A	100
/82874220	9	11	180A	100
/82874221	9	11	220A	100
/82874222	9	11	240A	100

Garnet - Cabinet				
/82874209	9	11	40D	50
/82874210	9	11	50D	50
/82874211	9	11	60D	50
/82874212	9	11	80D	50
/82874214	9	11	100C	50
/82874216	9	11	120C	50
/82874218	9	11	150C	50

Flint				
...74230	9	10	Coarse	50
...74231	9	10	Med.	50
...74232	9	10	Fine	100

Aluminum Oxide Stearate				
...74173	9	11	100A	100
...74174	9	11	120A	100
...74175	9	11	150A	100

No.	Wdth. In.	Lgth. In.	Grit	Pkg. Qty.
...74176	9	11	180A	100
...74177	9	11	220A	100
...74179	9	11	280A	100
...74180	9	11	320A	100

Silicon Carbide Stearate				
...74150AW	9	11	100A	100
...74151AW	9	11	120A	100
...74153	9	11	150A	100
...74155	9	11	180A	100
...74156	9	11	220A	100
...74158	9	11	280A	100
...74159	9	11	320A	100

*Closed coat.

UNITED ABRASIVES

**Abrasive Hand Pads
Sand-Light™**



6"×9". Constructed of non-woven synthetic fiber impregnated with abrasive grain. For wet or dry use. Reusable. Condition surface with no damage to base material. Resistant to loading and heat build-up. 20/pkg.

No. 77440. Heavy duty. For removing heavy rust and cleaning welds. Use primarily on ferrous and/or nonferrous metals.

No. 77447. General purpose. For cleaning and brightening. Use for removing light rust on ferrous or nonferrous metals.

No. 77446. For blending, finishing and paint removal. Use primarily on stainless steel and ferrous or nonferrous metals.

No. 77496. For general cleaning, stripping paint and varnish. Use on ferrous or nonferrous metals, paint and varnish.

No.77448. Ultra fine. For light finishing and sanding before or between finish coats. Use on nonferrous metals and wood.

No. 77486. Light duty. For light cleaning and polishing. Use on fiberglass, vinyl, plastic, formica and ceramic.

Abrasive Hand Pads

No.	Model No.	Color
...77440	77440	Brown
...77447	77447	Maroon
...77446	77446	Black
...77496	77496	Green
...77448	77448	Gray
...77486	77486	White

Accessories

No.	Desc.
95080	Sand-Light™ Handle

**UNITED ABRASIVES
Surface Conditioning Discs
Sand-Light™**



Hook and loop fastening system. Non-woven synthetic fiber impregnated with abrasive grain. For cleaning, polishing, blending, deburring. Primary application: stainless steel, high tensile steel. Secondary application: ferrous and/or nonferrous materials. 10/pkg.

No.	Size In.	Grade
Brown - Heavy Duty		
/82277116	4	Coarse
/82277136	7	Coarse
Maroon - General Purpose		
/82277117	4	Medium
/82277138	7	Medium

GRINDING WHEEL INFORMATION

For Portable Air or Electric Grinders

Spec.	Applications	Mtl.
Aluminum Oxide		
A24R	General purpose wheel for heavy working conditions. Longlife-good stock removal.	Iron, steel, normal ferrous metals.
A24N	General purpose wheel for normal working conditions. High stock removal.	Iron, stainless steel.
Z-A24R	Zirconium abrasive wheel specially designed for extremely tough applications. Long life - High stock removal.	Iron, stainless steel, forgings.
A46N	Special wheel for aluminum and nonferrous metals.	Aluminum, nonferrous metals.
Silicon Carbide		
C24N	Silicon carbide wheel for building materials. High stock removal.	Stone, granite, marble, concrete.

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Depressed Center Cut-Off Wheels for Portable Air or Electric Grinders

Spec.	Applications	Mtl.
	Aluminum Oxide	
A24R	General purpose for wheel cutting metals. Excellent life.	Cast-iron, mild steels, normal ferrous & nonferrous metals.
	Silicon Carbide	
C24R	General purpose wheel for cutting normal building materials. Long life.	Stone, granite, tile, marble, hard building materials.
Cut-off wheels for portable gas or electric cut-off saws. Stationary or street saws. For chop saws.		

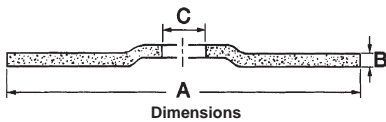
Spec.	Applications	Mtl.
	Aluminum Oxide	
A24R	General purpose wheel for cutting normal metals. Excellent life.	Iron, mild steel, cast iron, bronze, normal ferrous & nonferrous metals.
A24N	Designed for cutting difficult metals. Fast cut.	Ductile iron, stainless steel, hard cast iron.
A36T	Fast cutting, smooth finish, preferably high speed.	Stainless steel, small sections.
A36R	Fast cut with cool & clean edges. Average life.	Stainless steel, high tensile steel & hard cast iron.
A60T	Finer finish, cutting small sections, preferably high speed.	Stainless steel, small sections.
A60R	Fast cut, cool & burr free.	Thin walled pipes & sections.
	Silicon Carbide	
C24R	General purpose wheel for cutting normal building materials. Long life.	Stone, concrete, marble & brick.
C24N	Designed for cutting hard building materials, high speed, fast cutting, medium life.	Hard building materials, stone, granite, ceramics & asphalt.

Complete Information Available on Request.

UNITED ABRASIVES
Grinding Wheels
Type 27 - Depressed Center



Grade A24N



A24N. Aluminum oxide grain. Soft bond for fast stock removal. Applications include ferrous metals such as iron, steel, welds, low grade stainless steel.

A24R. Aluminum oxide grain. For general purpose grinding. Applications include ferrous metals such as iron, steel, welds.

No.	A Dia. In.	B Wdth. In.	C Bore Size In.	Max. rpm	Pkg. Qty.
A24N					
/79520002	3	1/4	3/8	18000	25
/79520010	4	3/16	3/8	13500	25
/79520012	4	1/4	3/8	13500	25
/79520015	4	1/4	5/8	13500	25
/79520050	4 1/2	3/16	7/8	13300	25
/79520060	4 1/2	1/4	7/8	13300	25
/79520160	4 1/2	1/4	5/8-11	13300	10
/79520070	5	1/4	7/8	12200	25
/79520081	7	1/4	7/8	8500	25
/79520085	7	1/4	5/8-11	8500	10
/79520091	9	1/4	7/8	6600	25
/79520095	9	1/4	5/8-11	6600	10

No.	A Dia. In.	B Wdth. In.	C Bore Size In.	Max. rpm	Pkg. Qty.
A24R					
/79520013	4	1/4	5/8	13500	25
/79520063	4 1/2	1/4	7/8	13300	25
/79520163	4 1/2	1/4	5/8-11	13300	10
/79520080	7	1/4	7/8	8500	25
/79520086	7	1/4	5/8-11	8500	10
/79520090	9	1/4	7/8	6600	25
/79520096	9	1/4	5/8-11	6600	10

UNITED ABRASIVES
Grinding Wheels
Type 27 - Specialty



Nonloading aluminum oxide grain. Soft bond for aggressive removal of material without loading. Applications include aluminum and nonferrous metals such as aluminum, copper and brass.

No.	Dia. In.	Wdth. In.	Bore Size In.	Max. rpm	Pkg. Qty.
A46N					
/79520062	4 1/2	1/4	7/8	13300	25
/79520162	4 1/2	1/4	5/8-11	13300	10
/79520072	5	1/4	7/8	12200	25
/79520083	7	1/4	7/8	8500	25
/79520088	7	1/4	5/8-11	8500	10
/79520093	9	1/4	7/8	6600	25
/79520098	9	1/4	5/8-11	6600	10

UNITED ABRASIVES
Cutting Wheels
Type 27 - Depressed Center



A24R. Aluminum oxide grain. Reinforced with fiberglass layers. For general purpose, low cost cutting. Applications include ferrous metals such as steel, iron and welds.

No.	Dia. In.	Wdth. In.	Bore Size In.	Max. rpm	Pkg. Qty.
A24R					
/79522000	3	1/8	3/8	18000	25
/79522010	4	1/8	3/8	13500	25

UNITED ABRASIVES
Grinding Wheels
Type 27 - C24N



Silicon carbide grain. Soft bond for fast stock removal. For use on masonry, concrete, stone, aggregate. Also for use on cast iron and other ferrous metals.

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Internally reinforced with fiberglass layers. Controlled performance. Safe hub design. Easy to identify and maintain in inventory.

No.	Dia. In.	Wdth. In.	Bore Size In.	Max. rpm	Pkg. Qty.
/79520061	4 1/2	1/4	7/8	13300	25
/79520087	7	1/4	5/8-11	8500	10
/79520092	9	1/4	7/8	6600	25
/79520097	9	1/4	5/8-11	6600	10

UNITED ABRASIVES
Specialty Cutting Wheels
Type 27



Saitech Ultimate Performance™. 3M™ Cubitron grain formula. For tough, fast cutting with extremely long life. Applications include stainless steel and high tensile alloys, iron, steel, welds.

No.	Dia. In.	Wdth. In.	Bore Size In.	Max. rpm	Pkg. Qty.
Saitech Ultimate Performance™					
...22014	4	1/8	5/8	13500	25
...22064	4 1/2	1/8	7/8	13300	25
...22069	4 1/2	1/8	5/8-11	13300	10
...22074	5	1/8	7/8	12200	25
...22079	5	1/8	5/8-11	12200	10
...22084	7	1/8	7/8	8500	25
...22089	7	1/8	5/8-11	8500	10
...22094	9	1/8	7/8	6600	25
...22099	9	1/8	5/8-11	6600	10
/79520094	9	7/8	6600	25	50
/79520099	9	5/8-11	6600	10	40

UNITED ABRASIVES
Specialty Cutting/ Light Grinding Wheels
Type 27



For cutting and light grinding in the pipeline industry.

Pipeline. Aluminum oxide grain. Long life. Applications include ferrous metals such as steel and cast iron.

No.	Dia. In.	Wdth. In.	Bore Size In.	Max. rpm	Pkg. Qty.
Pipeline					
/79522015	4	1/8	5/8	13500	25
/79522030	4 1/2	1/8	7/8	13300	25
/79522065	9	1/8	7/8	6600	25
/79522062	9	1/8	5/8-11	6600	10

UNITED ABRASIVES
.045 Cutting Wheels
Type 27 - Depressed Center



Thin type 27 configuration. Externally reinforced with fiberglass layers. For use on right angle grinders. Safe, controlled performance. Thin width .045. Aluminum oxide grain. Mount to right angle grinders with standard Type 27 flanges.

A46N Aluminum. Non-ferrous metals such as aluminum, copper, brass, etc. Soft bond for aggressive cutting without loading.

A60S. Thin .045 width. Hard bond for long life. Ferrous and/or non-ferrous metals such as iron, steel, welds, etc.

No.	Dia. In.	Wdth. In.	Bore Size In.	Max. rpm	Pkg. Qty.
A46N					
...22340	4	.045	5/8	13500	25
...22345	4 1/2	.045	7/8	13300	25
...22350	5	.045	7/8	12200	25
...22360	6	.045	7/8	10200	25
...22370	7	.045	7/8	8500	25
A60S					
...22011	4	.045	5/8	13500	25
/79522021	4 1/2	.045	7/8	13300	25
/79522071	5	.045	7/8	12200	25
/79522047	6	.045	7/8	10200	25
...22053	7	.045	7/8	8500	25

Note: Reusable 5/8-11 adaptor for use on Type 1 and Type 27 reinforced wheels with a 7/8 arbor, maximum diameter of 5" and wheel thickness of .045" to 1/8" available.

UNITED ABRASIVES
Grinding Wheels
Type 28 - Depressed Center



Saucer shape. Fiberglass layer internal reinforcement.

A24N. Aluminum oxide grain. Soft bond for fast stock removal. Applications include ferrous metals such as steel, iron and welds and low grade stainless steel.

A24R. Aluminum oxide grain. Medium bond for longer life and fewer wheel changes. Applications include ferrous metals such as iron, steel and welds.

C24N. Silicon carbide grain. Soft bond for fast stock removal. Reinforced with fiberglass layers. Applications include masonry, concrete, stone, cast iron and other ferrous metals.

No.	Dia. In.	Wdth. In.	Bore Size In.	Max. rpm	Pkg. Qty.
A24N					
/79521001	7	1/4	7/8	8500	25
A24R					
/79521000	7	1/4	7/8	8500	25
/79521005	7	1/4	5/8-11	8500	10
/79521010	9	1/4	7/8	6600	25
/79521015	9	1/4	5/8-11	6600	10
C24N					
/79521002	7	1/4	7/8	8500	25
/79521006	7	1/4	5/8-11	8500	10

UNITED ABRASIVES
Flexible Grinding/Blending Wheels
Type 29 - Challenger



Aluminum oxide grain. Open pattern on wheel for cool grinding and blending without loading. Applications include steel, iron, aluminum, brass, bronze, stainless steel, plastic, fiberglass and masonry. Safe for use in nuclear industry as they do not contain pyrite.

No.	Dia. In.	Bore Size In.	Max. rpm	Pkg. Qty.
24 Grit				
/79522310	7	7/8	8600	50
60 Grit				
/79522312	7	7/8	8600	50
100 Grit				
/79522313	7	7/8	8600	50

UNITED ABRASIVES
Cut-Off Wheels
Type 1 - HS - For Portable Saws



External structural reinforcement to withstand offhand lateral pressure.

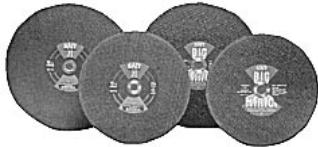
C24R. Silicon carbide grain. Long life. Applications include soft aggregate, stone, brick, masonry and concrete.

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No.	Dia. In.	Wdth. In.	Bore Size	Max. rpm	Pkg. Qty.
C24R					
/79823231	7	3/32	5/8"	8500	25
/79823301	9	1/8	7/8"	6600	25
/79823413	12	1/8	1"	6300	10

UNITED ABRASIVES
Specialty Cut-Off Wheels
Type 1 - HS - For Portable Saws



Externally reinforced with fiberglass layers to withstand offhand lateral pressure.

Ductile. Combination aluminum oxide and silicon carbide formulation. Applications include ductile pipes, water mains, combination metal/concrete, cast iron, hard metals and concrete coated steel.

No.	Dia. In.	Wdth. In.	Bore Size	Max. rpm	Pkg. Qty.
Ductile					
/79823415	12	1/8	1"	6300	10

UNITED ABRASIVES
Cut-Off Wheels
Type 1 - For Stationary Saws



No. A24N. Aluminum oxide grain. General purpose. Soft bond for fast stock removal. Internal fiberglass reinforcement with mounting area dual external reinforcement. Applications include ferrous metals such as iron and cast iron, low-grade stainless steel.

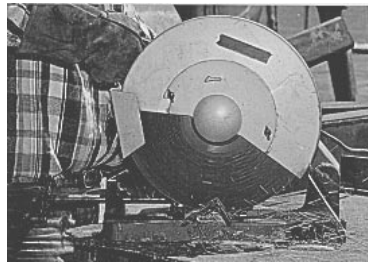
No. A24R. Aluminum oxide grain. General purpose. Long life. Internal fiberglass reinforcement with mounting area dual external reinforcement. Applications include ferrous metals such as iron, steel and angle iron.

No. A36R. Aluminum oxide grain. Burr-free finish. Applications include ferrous metals such as metal tubing, stainless steel and high tensile steel.

No.	Dia. In.	Wdth. In.	Bore Size In.	Max. rpm	Pkg. Qty.
A24N					
/79824001	10	1/8	5/8	6100	25
/79824021	12	1/8	1	5100	10
/79824071	16	5/32	1	3800	10
A24R					
/79824000	10	1/8	5/8	6100	25
/79824004	10	1/8	1	6100	25
/79824020	12	1/8	1	5100	10
/79824040	14	1/8	1	4400	10
/79824070	16	5/32	1	3800	10
/79824080	18	3/16	1	3400	5
/79824090	20	3/16	1	3000	5
A36R					
/79824006	10	1/8	1	6100	25
/79824042	14	1/8	1	4400	10
/79824072	16	5/32	1	3800	10
/79824102	24	1/4	1	3150	5

There's just not enough space to list all of the material and services we can offer you. Let us know about your problems.

UNITED ABRASIVES
Chop Saw Blades
Type 1



For use on low horsepower chop saw machines. External fiberglass layer reinforcement.

Stud King®. Aluminum oxide grain. General purpose cool cutting on thin metals. Burr free finish. Applications include metal studding, thin rebar and light gauge metals.

Saitech Steel Worker™. 3M™ Cubitron grain. Fast, burr free cutting. Applications include stainless steel, high tensile alloys and ferrous metals such as steel, iron and welds.

No.	Dia. In.	Wdth. In.	Bore Size In.	Max. rpm	Pkg. Qty.
Stud King®					
/79824035	10	3/32	5/8	6100	25
/79824030	12	3/32	1	5100	10
/79824050	14	3/32	1	4400	10
Saitech Steel Worker™					
/79824053	14	3/32	1	4400	10

UNITED ABRASIVES
Cut-Off Wheels
Type 1 - Thin HS



Lateral strength increased by externally reinforced fiberglass layers. Burr-free, square cutting.

No. A36T. Aluminum oxide grain. Hard bond for aggressive cutting on rough applications. Applications include stainless steel, ferrous metals such as iron, steel and welds, and nonferrous metals such as copper.

No. A60T. Very fine aluminum oxide grain. Hard bond for smooth cutting. For use in nuclear, aerospace, automotive, foundry industries and plant maintenance. Applications include ferrous metals such as iron, steel and welds as well as high tensile metals.

No.	Dia. In.	Wdth. In.	Bore Size In.	Max. rpm	Pkg. Qty.
A36T					
/79823032	2 1/2	.035	1/4	24446	100
/79823040	3	1/16	3/8	25000	50
/79823052	3	.035	1/4	25000	100
/79823050	3	.035	3/8	25000	100
/79823067	4	1/16	1/4	19000	50
/79823071	4	.035	1/4	19000	100
/79823069	4	.035	3/8	19000	100
/79823202	6	1/16	1/2	10186	50
/79823210	6	.035	7/8	10186	50
/79823250	7	1/16	1 1/4	8732	50
A60T					
/79823003	2	1/16	3/8	30558	50
/79823043	3	1/16	1/4	25000	50
/79823041	3	1/16	3/8	25000	50
/79823053	3	.035	1/4	25000	100
/79823051	3	.035	3/8	25000	100
/79823066	4	1/16	3/8	19000	50
/79823070	4	.035	3/8	19000	100
/79823251	7	1/16	1 1/4	8732	50
/79823253	7	.035	1 1/4	8732	50
/79823266	7	1/16	5/8	8732	50

UNITED ABRASIVES
Cut-Off Wheels
Type 1 - HS - For Portable Saws



Aluminum oxide grain. Burr-free square cutting. Reinforced externally with fiberglass to support lateral pressure.

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No.	Dia. In.	Wdth. In.	Bore	Max. rpm	Pkg. Qty.
...23430	12	1/8	1"	6300	10
...23431	12	1/8	7/8"	6300	10
...23432	12	1/8	20 mm	6300	10
...23440	14	1/8	1"	5400	10
...23441	14	1/8	20 mm	5460	10

UNITED ABRASIVES

**Cut-Off Wheels
Type 1 - High Speed**



For portable saws. Thin Type 1 configuration. Externally reinforced with fiberglass layers. Square cutting, burr free. Safe, controlled performance. Aluminum oxide grain. Use with reusable 5/8-11 adapter to fit right angle grinders.

A46N Aluminum. Non-ferrous metals such as aluminum, copper, brass, etc. Soft bond for aggressive cutting without loading.

A60S. Thin width .045. Fast cutting, long life. Ferrous and/or non-ferrous metals such as iron, steel, welds, etc.

No.	Dia. In.	Wdth. In.	Bore Size In.	Max. rpm	Pkg. Qty.
A46N					
...23304	4	.045	5/8	13500	25
...23314	4 1/2	.045	7/8	13300	25
...23315	5	.045	7/8	12200	25
...23316	6	.045	7/8	10200	25
...23317	7	.045	5/8	8500	25

No.	Dia. In.	Wdth. In.	Bore Size In.	Max. rpm	Pkg. Qty.
A60S					
...23099	4	.045	5/8	13500	25
...23101	4 1/2	.045	7/8	13300	25
...23103	5	.045	7/8	12200	25
...23106	6	.045	7/8	10200	25
...23107	7	.045	5/8	8500	25

Note: Reusable 5/8-11 adapter for use on Type 1 and Type 27 reinforced wheels with a 7/8 arbor, maximum diameter of 5" and wheel thickness of .045" to 1/8" available.

UNITED ABRASIVES

Abrasive Accessories



Cut-Off Adapters. Use with high-speed grinding and cut-off wheels and wire brushes.

Cut-Off Adapters

No.	Shank Size In.	Arbor Size In.
/82495002	1/4	1/4
/82495003	1/4	3/8
/82495004	1/4	1/2



Shank Adapter Kits. Use 1/4" shank adapter kit with 1" or 5/8" arbor hole flap wheels.

Shank Adapter Kits

No.	Desc.
.....	1/4" Shank Adapter Kit



1/4" Threaded Adapter. Use on U.A. 1/4x20 threaded flap wheels. Facilitate quick change.

Flap Wheel Adapters

No.	Desc.
/82495050	1/4" Shank Threaded Adapter



Wood Wedges. Use with Vitrified bonded floor rubs.

Wood Wedges

No.	Pkg. Qty.
.....	2



Bushings. For Type 1 cut-off wheels. Reduce wheel arbor size. 10/pkg.

Bushings

No.	Size
.....	1-5/8"
.....	1-20 mm
.....	1-7/8"
.....	1-3/4"
.....	7/8-5/8"
.....	Dia.-5/8"
.....	Dia.-1/2"
.....	1/2-3/8"

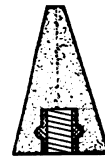
**ABRASIVE CONES & PLUGS
Resinoid/Aluminum Oxide**

Designed specially for quick stock removal in snagging and grinding on hard-to-reach areas-forgings, welds, etc. All areas of wheel are used in grinding except for diameter. This must be flush with machine after mounting. 10/pkg.



Type 16 Cones

No.	Dia. In.	Lgth. In.	Bore In.	Grade Avail.	Max. rpm
.....	1 1/4	3	3/8-24	A16	29000
.....	2	3	3/8-24	A16	18100
.....	2	3	5/8-11	A16	18100
.....	2 3/4	3 1/2	5/8-11	A16	13200

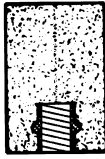


Type 17 Cones

No.	Dia. In.	Lgth. In.	Bore In.	Grade Avail.	Max. rpm
/80525101	1 1/2	2 1/2	3/8-24	A20	24100
.....	1 1/2	2 1/2	5/8-11	A20	24100
.....	1 1/2	3	3/8-24	A16	24100
.....	1 1/2	3	5/8-11	A16	24100
.....	2	3	3/8-24	A16	18100
.....	2	3	5/8-11	A16	18100

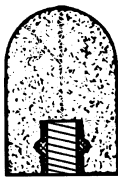
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Type 18 Plugs

No.	Dia. In.	Lgth. In.	Bore In.	Grade Avail.	Max. rpm
/80525201	1 1/2	2 1/2	3/8-24	A20	24100
.....	1 1/2	2 1/2	5/8-11	A20	24100
.....	1 1/2	3	3/8-24	A16	24100
/80525204	1 1/2	3	5/8-11	A16	24100
.....	2	3	3/8-24	A16	18100
/80525206	2	3	5/8-11	A16	18100

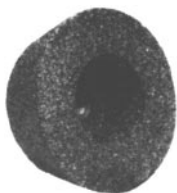


Type 18R Plugs

No.	Dia. In.	Lgth. In.	Bore In.	Grade Avail.	Max. rpm
.....	1 1/2	2 1/2	3/8-24	A20	24100
.....	1 1/2	2 1/2	5/8-11	A20	24100
/80525303	1 1/2	3	3/8-24	A16	24100
.....	1 1/2	3	5/8-11	A16	24100
.....	2	3	3/8-24	A16	18100
.....	2	3	5/8-11	A16	18100

UNITED ABRASIVES

Cup Wheels Type 11



A16. Aluminum oxide grain. Coarse grit. For cleaning castings, mold marks and removing flashing on ferrous metals.

C16. Silicon carbide grain. Coarse grit. For cleaning castings, mold marks and removing flashing on masonry, concrete and stone.

No.	OD In.	ID In.	Wdth. In.	Bore Size In.	Max. rpm	Pkg. Qty.
A16						
/80726000	4	3	2	5/8-11	9050	12
/80726023	6	4 3/4	2	5/8-11	6050	5
C16						
/80726001	4	3	2	5/8-11	9050	12

UNITED ABRASIVES

Bench Grinding Wheels Type 1



Vitrified bond. Not affected by water, oil, temperature changes and most acids. With reduction bushings.

A. Aluminum oxide grain. General purpose. For sharpening tools and light stock removal. Applications include ferrous metals such as carbon steel, steel, forgings and iron.

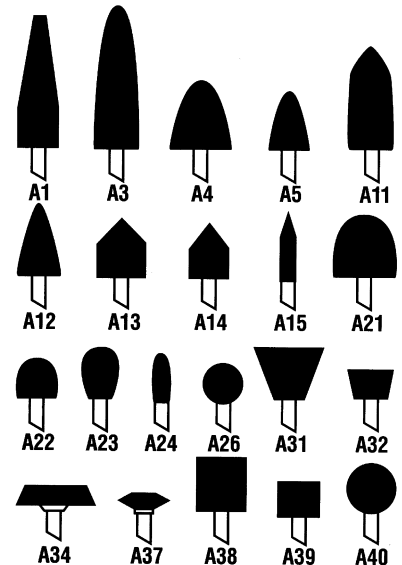
GC. Green silicon carbide grain. For fast, burr-free cutting on carbide tipped tools and cast iron. Applications include ferrous and nonferrous metals.

No.	Dia. In.	Reducing Bushings In.	Wdth. In.	Bore Size In.	Max. rpm
A24					
.....	12	1 1/4, 1	2	1 1/2	2069
.....	14	1 1/4, 1	2	1 1/2	1773
A36					
.....	6	3/4, 5/8, 1/2	1/2	1	4138
.....	6	3/4, 5/8, 1/2	3/4	1	4138
.....	6	3/4, 5/8, 1/2	1	1	4138
.....	7	3/4, 5/8, 1/2	3/4	1	3600
.....	7	3/4, 5/8, 1/2	1	1	3600
.....	8	3/4, 5/8	3/4	1	3600
.....	8	3/4, 5/8	1	1	3600
.....	10	3/4, 1	1	1 1/4	2483
.....	10	3/4, 1	1 1/2	1 1/4	2483
.....	12	1 1/4, 1	2	1 1/2	2069
.....	14	1 1/4, 1	2	1 1/2	1773
A46					
.....	10	3/4, 1	1	1 1/4	2483
.....	10	3/4, 1	1 1/2	1 1/4	2483
.....	12	1 1/4, 1	2	1 1/2	2069
.....	14	1 1/4, 1	2	1 1/2	1773
A60					
.....	6	3/4, 5/8, 1/2	1/2	1	4138
.....	6	3/4, 5/8, 1/2	3/4	1	4138
.....	6	3/4, 5/8, 1/2	1	1	4138
.....	7	3/4, 5/8, 1/2	3/4	1	3600
.....	7	3/4, 5/8, 1/2	1	1	3600
.....	8	3/4, 5/8	3/4	1	3600
.....	8	3/4, 5/8	1	1	3600
.....	10	3/4, 1	1	1 1/4	2483
.....	10	3/4, 1	1 1/2	1 1/4	2483
.....	12	1 1/4, 1	2	1 1/2	2069
.....	14	1 1/4, 1	2	1 1/2	1773
A80					
.....	6	3/4, 5/8, 1/2	1/2	1	4138
.....	6	3/4, 5/8, 1/2	3/4	1	4138
.....	6	3/4, 5/8, 1/2	1	1	4138
.....	7	3/4, 5/8, 1/2	3/4	1	3600
.....	7	3/4, 5/8, 1/2	1	1	3600
.....	8	3/4, 5/8	3/4	1	3600
.....	8	3/4, 5/8	1	1	3600
.....	10	3/4, 1	1	1 1/4	2483
.....	10	3/4, 1	1 1/2	1 1/4	2483

No.	Dia. In.	Reducing Bushings In.	Wdth. In.	Bore Size In.	Max. rpm
GC60					
.....	6	3/4, 5/8, 1/2	3/4	1	4138
.....	6	3/4, 5/8, 1/2	1	1	4138
.....	7	3/4, 5/8, 1/2	1	1	3600
.....	8	3/4, 5/8	1	1	3600
.....	10	3/4, 1	1	1 1/4	2483
.....	10	3/4, 1	1 1/2	1 1/4	2483
.....	12	1 1/4, 1	2	1 1/2	2069
.....	14	1 1/4, 1	2	1 1/2	1773
GC80					
.....	6	3/4, 5/8, 1/2	3/4	1	4138
.....	6	3/4, 5/8, 1/2	1	1	4138
.....	7	3/4, 5/8, 1/2	1	1	3600
.....	8	3/4, 5/8	1	1	3600
.....	10	3/4, 1	1	1 1/4	2483
.....	10	3/4, 1	1 1/2	1 1/4	2483
.....	12	1 1/4, 1	2	1 1/2	2069
.....	14	1 1/4, 1	2	1 1/2	1773
GC120					
.....	6	3/4, 5/8, 1/2	3/4	1	4138
.....	6	3/4, 5/8, 1/2	1	1	4138
.....	7	3/4, 5/8, 1/2	1	1	3600
.....	8	3/4, 5/8	1	1	3600
.....	10	3/4, 1	1	1 1/4	2483
.....	10	3/4, 1	1 1/2	1 1/4	2483
.....	12	1 1/4, 1	2	1 1/2	2069
.....	14	1 1/4, 1	2	1 1/2	1773

MOUNTED POINTS

Group A Shapes



For metal grinding in high speed air or electric grinders. For grinding dies or casting. For weld seam removal and general purpose metal removal. Aluminum oxide grain with vitrified bond. Dressed to precise tolerance. 1/4 machined shanks. Concentric operation. 25/pkg.

No.	Dia. In.	Thick. In.	Max. Safe Speed rpm*
A1 - /832A01BR	3/4	2 1/2	19800
A3 - /832A03BR	1	2 3/4	16100
A4 - /832A04BR	1 1/4	1 1/4	30560
A5 - /832A05BR	3/4	1 1/8	45000
A11 - /832A11BR	7/8	2	19860
A12 - /832A12BR	1 1/16	1 1/4	48000

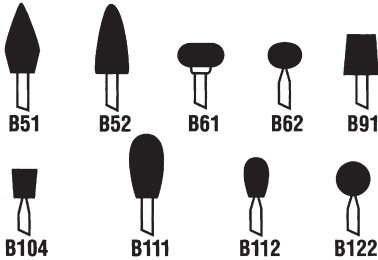
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No.	Dia. In.	Thick. In.	Max. Safe Speed rpm*
A13 - /832A13BR	1 1/8	1 1/8	33950
A14 - /832A14BR	1 1/16	7/8	55560
A15 - /832A15BR	1/4	1 1/16	72750
A21 - /832A21BL	1	1	34500
A22 - /832A22BR	3/4	5/8	50930
A23 - /832A23BR	3/4	1	39370
A24 - /832A24BR	1/4	3/4	76500
A26 - /832A26BR	5/8	5/8	61120
A31 - /832A31BR	1 3/8	1	27780
A32 - /832A32BR	1	5/8	38200
A34 - /832A34BR	1 1/2	3/8	25470
A37 - /832A37BR	1 1/4	1/4	30560
A38 - /832A38BR	1	1	34500
A39 - /832A39BR	3/4	3/4	47250
A40 - /832A40BR	3/4	3/4	47250

*Safe maximum speeds for mounted point shapes w/1/2" overhang on 1/4" dia. mandrels.

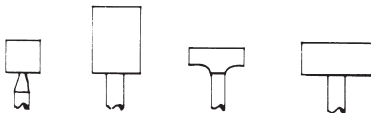
MOUNTED POINTS
Group B Shapes



For metal grinding in high speed air or electric grinders. For grinding dies or casting. For weld seam removal and general purpose metal removal. Aluminum oxide grain with vitrified bond. Dressed to precise tolerance. 1/8 machined shanks. Concentric operation. 25/pkg.

No.	Dia. In.	Thick. In.	Max. Safe Speeds rpm
B51 - /832B51BR	7/16	3/4	81000
B52 - /832B52BR	3/8	3/4	81000
B61 - /832B61BR	3/4	5/16	50930
B62 - /832B62BR	1/2	3/8	71250
B91 - /832B91BR	1/2	5/8	61500
B104 - /832B104BR	5/16	5/8	81000
B111 - /832B111BR	7/16	1 1/16	66000
B112 - /832B112BR	3/8	1/2	81000
B122 - /832B122BR	3/8	3/8	81000

MOUNTED POINTS
Group W Shapes

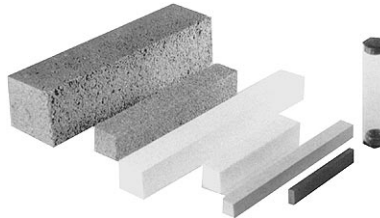


Cylindrical. For metal grinding in high speed air or electric grinders. For grinding dies or casting. For weld seam removal and general purpose metal removal. Aluminum oxide grain with vitrified bond. Dressed to precise tolerance. 1/4 machined shanks. Concentric operation. 25/pkg.

No.	Dia. In.	Thick. In.	Max. Safe Speed rpm*
W164 - /832W164BR	1/4	3/4	76500
W175 - /832W175BL	3/8	3/8	93750
...W194	5/8	1/2	56400
W196 - /832W196BL	5/8	1	32250
W201 - /832W201BR	3/4	1/4	50930
W206 - /832W206BR	3/4	1 1/4	28720
W215 - /832W215BR4	1	1/8	38200
W216 - /832W216BR	1	1/4	38200
W217 - /832W217BR	1	3/8	38200
W220 - /832W220BR	1	1	25500
W222 - /832W222BR	1	2	15900
W225 - /832W225BR	1 1/4	1/4	30560
W236 - /832W236BR	1 1/2	1/2	25470
W242 - /832W242BR	2	1	11460

*Safe maximum speeds for mounted point shapes w/1/2" overhang on 1/4" dia. mandrels.

DRESSING STICKS
Aluminum Oxide



Unfinished. For cleaning and reshaping grinding wheels and cleaning to re-open diamond and CBN wheels.

Not for use where precision dimensions or grades required. Available in 1x1x6. Soft and white.

Complete Information Available on Request.

DESMOND-STEPHAN
Grinding Wheel Dressers
Huntington

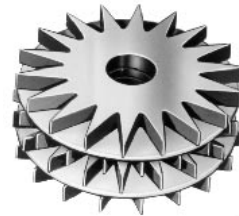


For use on grinding wheels where fast dressing important and accurate finish not required. Star shaped teeth quickly remove load and worn grain from wheel, present fast cutting surface. 1/pkg.

No.	Dresser No.*	For Wheel Dia. In.	Face In.	Wt. Lbs.
/80911210	0	Up to 10	2	2
/80911310	1	10 to 16	3	2 1/2
...11410	21	10 to 16	3 1/2	2 1/2
/80911510	2	16 to 36	3 1/2	5 1/2
...11610	22	16 to 36	4	7 1/2

*Huntington.

DESMOND-STEPHAN
Grinding Wheel Cutters
Huntington



Machined from high carbon steel. Nos. 0, 1, 2 and 21 fit corresponding sizes of Huntington and Hex dressers.

No. /80911520. Can be furnished with 5/8" hole to fit other makes of dressers; specify make of dresser.

No.	Model No.	Cutter No.	Dia. In.	Hole In.	Face Wtd. In.	Wt. Lbs.
/80911220	11220	0	1 1/4	1/4	.426	1
...11260	11260	0*	1 1/4	7/16	.426	1
...11250	11250	0†	1 1/4	1/4	.426	1
/80911320	11320	1	1 1/4	1/2	.432	1 1/4
/80911520	11520	2‡	2 3/8	1 9/32	.830	6 1/2
...11420	11420	21§864	2 1/2
...11620	11620	22•	1.660	12 1/2
...13420	13420	5-H	1 5/8	3/8	.660	2
...11720	11720	1★	1 5/8	1/2	.660	2

*Paragon. Bushed to 1/4" hole.

†Thin.

‡Can be furnished with 5/8" hole as No. 2-C. §Double set of No. 1 cutters. •Double Set of No. 2 cutters. ★Special

DESMOND-STEPHAN
Diamond Handtools & Nibs
For Landis Grinders



Made from cold rolled steel. Impart a smooth accurate surface to precision work.

No.	Regular Nib	Approx. Carat
...1		.25
...3		.50
...5		.75
...7		1.00
...9		1.25
...11		1.50
No.	Large Nib	Approx. Carat
...1L		.25
...3L		.50
...5L		.75
...7L		1.00
...9L		1.25
...11L		1.50

Note: Larger carat sizes also available.

DESMOND-STEPHAN
Diamond Nibs



Straight shank nibs obtainable with any size of diamond. To order the nib you require, write the nib number and the diamond number.

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For example, if you need a nib with a 5/16" diameter shank, 1 1/16" long to be used on a 6" diameter wheel, order number 201-D20. (201 designates the correct nib; D20 specifies the diamond size.)

Straight Shank Nibs

No.	Shank Dia. In.	Lgth. In.
101	1/4	3/4
302	3/8	1
404	7/16	1 3/8
102	1/4	1
303	3/8	1 1/2
405	7/16	1 9/8
103	1/4	1 1/4
304	3/8	1 3/4
406	7/16	2
104	1/4	1 1/2
305	3/8	2
407	7/16	4 7/8
105	1/4	6
306	3/8	2 1/4
408	7/8	6
201	5/16	1 1/16
307	3/8	3
500	1/2	1 1/8
202	5/16	1 1/4
308	3/8	4
501	1/2	1 1/2
203	5/16	2
400	7/16	7/8
502	1/2	2 1/4
204	3/8	2 1/8
401	7/16	1
503	1/2	4
300	3/8	7/8
402	7/16	1 3/32
504	1/2	4 1/2
301	3/8	1 3/16
403	7/16	1 1/8
505	1/2	6

Diamonds

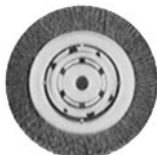
No.	Recom. For Cut. Wheels Dia. In.	Face In.	Approx. Carat
...D15	6	1/2	0.20
/809D20305	6	1	0.25
...D25	8	3/4	0.35
...D30	10	1	0.50
...D35	12	1 1/2	0.75
/809D40408	14	1 1/2	1.00
...D45	16	2	1.25
...D50	18	2	1.50
...D55	20	2	1.75
...D60	20	4	2.00
...D65	24	3	2.50
...D70	24	4	3.00

Note: Larger Sizes Available.

UNITED ABRASIVES

Wire Brushes

For Bench or Straight Shaft Grinders



For cleaning, surface preparation, and general scale removal. Standard 2" arbor with adapter to listed arbor. Wire size .014". May be stacked to get wider work face. Bushing pairs available to adapt to variety of arbors. Also available in industrial packaging.

No.	Dia. In.	Arbor Size In.	Face Wdth. In.*	Trim Lgth. In.	Max. rpm
.....	6	1/2	W	1 1/16	6000
.....	6	5/8, 1/2	N	1 3/16	6000
.....	7	3/8	W	1 9/16	6000
.....	8	5/8	W	1 1/2	4000

*W=Wide, N=Narrow.

UNITED ABRASIVES

Wire Cup Brushes



For fast cleaning of large metal surfaces in removal of weld scale, rust, old paint and corrosion as well as weld cleaning and deburring. Ideal for pipe bevel cleaning. Arbor size 5/8-11.

Knot Wire					
No.	Dia. In.	Wire Size In.	Trim Lgth. In.	No. Rows	Max. rpm
.....	4	.020	1 3/8	1	8500
.....	4	.020	...	1	8500
.....	6	.020	1 3/4	1	6600
.....	6	.035	1 3/4	1	6600
.....	6	.020	1 3/4	2	6600
.....	6	.035	1 3/4	2	6600
.....	6	.035	...	2	6600



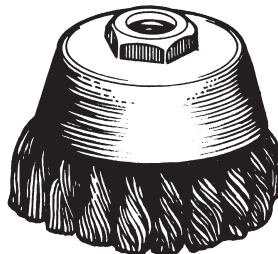
Crimp Wire

No.	Dia. In.	Wire Size In.	Trim Lgth. In.	Max. rpm
.....	4	.020	1 1/8	8500
.....	5	.020	...	6600
.....	6	.020	1 1/2	6600

UNITED ABRASIVES

Cup Brushes

For Small Grinders



Knot Wire



Crimp Wire

Wire size .014". Dia. 2 3/4". Max. rpm 12500. 1/pkg.

Knot Wire. Provide aggressive action in tight areas.

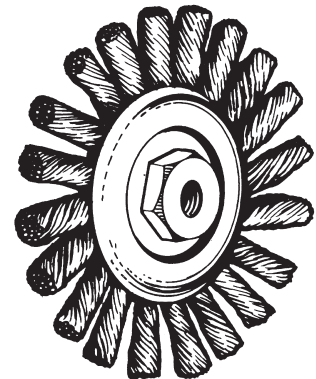
Crimp Wire. Carbon steel for flexibility and light cleaning.

No.	Arbor Size	Type
.....	5/8-11	Knot Carbon
.....	M14x2.0	Knot Carbon
.....	M10x1.25	Knot Carbon
.....	M10x1.5	Knot Carbon
.....	1/2-13	Knot Carbon
.....	5/8-11	Knot Stainless
.....	M14x2.0	Knot Stainless
.....	M10x1.25	Knot Stainless
.....	M10x1.5	Knot Stainless
.....	1/2-13	Knot Stainless
.....	5/8-11	Crimp Carbon
.....	M14x2.0	Crimp Carbon
.....	M10x1.25	Crimp Carbon
.....	M10x1.5	Crimp Carbon
.....	1/2-13	Crimp Carbon
.....	5/8-11	Crimp Stainless
.....	3/4-24	Knot Carbon

UNITED ABRASIVES

Knot Wire Wheels

For Small Grinders



6/pkg.

Regular Twist. Covers wide area in single pass.

Continued on next page

Continued from previous page

Regular Twist

No.	Dia. In.	Wire Size In.	Arbor Size	Type*	Max rpm
Blue Line™ Packaging					
.....	4	.014	5/8-11	C	20000
.....	4	.014	M14x2.0	C	20000
.....	4	.014	M10x1.25	C	20000
.....	4	.014	M10x1.5	C	20000
.....	4	.014	1/2-13	C	20000
.....	4	.014	5/8-11	S	20000
.....	4	.014	M14x2.0	S	20000
.....	4	.014	M10x1.25	S	20000
.....	4	.014	M10x1.5	S	20000
.....	4	.014	1/2-13	S	20000

*C=Carbon, S=302 Stainless Steel Wire

Stringer Bead Twist. Use for weld cleaning; good where narrow work face is necessary.

Stringer Bead Twist

No.	Dia. In.	Wire Size In.	Arbor Size	Type†	Max rpm
Blue Line™ Packaging					
.....	4	.020	5/8-11	C	20000
.....	4	.020	M14x2.0	C	20000
.....	4	.020	M10x1.25	C	20000
.....	4	.020	M10x1.5	C	20000
.....	4	.020	1/2-13	C	20000
.....	4	.020	5/8-11	S	20000
.....	4	.020	M14x2.0	S	20000
.....	4	.020	M10x1.25	S	20000
.....	4	.020	M10x1.5	S	20000
.....	4	.020	1/2-13	S	20000
.....	5	.020	5/8-11	C	12000
.....	5	.020	M2x14	C	12000

†C=Carbon, S=302 Stainless Steel Wire

**UNITED ABRASIVES
Knot-Type Wire Wheels**



Can use on portable power tools for descaling, deburring, and general cleaning work.

Blue Line™ Packaging

No.	Dia. In.	Wire Size In.	Arbor In.	Max. rpm	Pkg. Qty.
Carbon Steel Wire					
.....	3	.014	3/8	25000	4
.....	4	.014	1/2	20000	4
.....	6	.020	5/8, 1/2	9000	1
Stainless Steel Wire					
.....	3	.014	1/2, 3/8	25000	4
.....	6	.016	5/8, 1/2	9000	1

**UNITED ABRASIVES
Pipeline Brushes**



For use in the pipeline industry. Knot wire for use in removal of bead scale, weld flash or splatter. Wire size .020". Arbor size 5/8-11.

Stainless Steel Wire. For use on stainless, aluminum and high strength alloys.

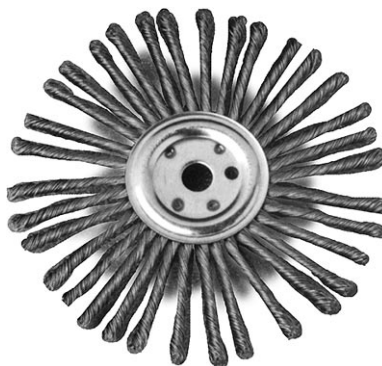
Regular Twist. For higher impact action.

Stringer Bead Twist. For higher impact action.

Blue Line™ Packaging

No.	Twist Type	Dia. In.	Max. rpm	Pkg. Qty.
.....	Stringer Bead	5	12000	6
.....	Regular	6	9000	3
.....	Stringer Bead	6 1/2	9000	6
.....	Stringer Bead	6 1/2	9000	6

**UNITED ABRASIVES
Wire Brushes**



For example, if you need a For street saws. Clean concrete expansion joints. Arbor dia. 1". Pinhole dia. 7/16". 1/pkg.

No.	Dia. In.	Wire Size In.
.....	12	.035

**UNITED ABRASIVES
General Maintenance & End Brushes**

For use in finishing and cleaning recessed areas or pipes. Use on portable power tools. Shank dia. 1/4". Max. rpm 20000. 12/pkg.



Circular Flared. For side cleaning action.

Circular Flared Brushes

No.	Dia. In.	Wire Size In.	Trim Lgth. In.	Lgth. In.
Blue Line™ Packaging				
.....	1 1/2	.012	5/16	1 3/4
.....	2 1/2	.014	1 1/16	1 3/4
.....	3	.014	7/8	1 3/4



Crimped Wire. For high flexibility.

Crimped Wire Brushes

No.	Dia. In.	Wire Size In.	Trim Lgth. In.	Lgth. In.
Blue Line™ Packaging				
.....	1	.020	1	2 5/8
.....	3/4	.014	1	2 5/8
.....	2	.014	7/16	1 1/4
.....	3	.014	15/16	1 1/4
.....	3	.014	15/16	1 1/4



Knot Wire. Provide aggressive cutting action.

Knot Wire Brushes

No.	Dia. In.	Wire Size In.	Trim Lgth. In.	Lgth. In.
Blue Line™ Packaging				
/84000561	1	.020	1	2 5/8
.....	1	.020	1	2 5/8
.....	3/4	.014	1 1/8	2 5/8

UNITED ABRASIVES
Metal Scratch Brushes



For hand brushing jobs and light scale removal and maintenance cleaning. 12/pkg.

No.	Type	Rows	Wire Size In.
/84038065	Curved Handle	3×19	.014
.....	Curved Handle w/Scraper	3×19	.014
.....	Curved Stainless	3×19	.012
.....	Shoe Handle	4×16	.014
.....	Shoe Handle w/Scraper	4×16	.014
.....	Curved Handle	4×16	.014
.....	Sm. Cing. Brush Stainless	3×7	.006
.....	Sm. Cing. Brush Brass	3×7	.006
.....	Chipping Hammer	3×15	...

UNITED ABRASIVES
Brushes



Metal Chip Brushes. Clean away metal chips. Durable.



Acid Brushes. Horsehair bristles. Machine trimmed and crimped.



Chip Brushes. Horsehair bristles. Wood handle.

No.	Desc.	Wdth. In.	Trim In.	Lgth. In.	Pkg. Qty.
.....	Metal Chip	1½	1½	5½/16	12
/84002357	Acid Brush	¾	¾	6	144
.....	Acid Brush	7/16	¾	6½	144
/84002358	Acid Brush	½	7/8	6	144
/84002078	Chip Brush	½	1½	7	72
/84002085	Chip Brush	1	1½	7½	72
/84002102	Chip Brush	1½	1½	7½	72
/84002086	Chip Brush	2	1½	7½	72
/840020857	Chip Brush	3	1½	8	48
.....	Chip Brush	4	2¼	9½	12

UNITED ABRASIVES
Wire Brushes
Crimped Flared Cup



Carbon steel wire.

No.	Brush Dia. In.	Wire Dia. In.	Trim Lgth. In.	Max. rpm
/84023305	2	.014	7/16	20000
/84020203	3	.014	7/8	15000

UNITED ABRASIVES
Wire Brushes
Hollow Center Cup



Crimped carbon steel wire.

No.	Brush Dia. In.	Wire Dia. In.	Trim Lgth. In.	Max. rpm
/84020203	1¾	.012	1½	13000

A number of items in this catalog are listed in condensed form. Complete catalogs and specifications will be sent to you on request. Please call us.

Wire Brushes

United Abrasives' brushes consist of only the highest grade industrial tempered wire and state-of-the-art construction, designed for off-hand equipment. The various styles cover a multitude of applications.



Features and Benefits

Brushes are available in a variety of wire types. The proper brush for the application should be selected based on the characteristics of the brush, including wire type. All BlueLine™ packaging is one piece per package.

Knot wire brushes provide high impact action and offer low to medium flexibility through the use of twisted wire tufts for heavy duty applications, such as weld cleaning. Knot wire brushes are available in 2 knot configurations.

Crimped wire brushes are general purpose brushes that provide higher flexibility and cleaning action through the use of flexible wire points. They offer a wider work face than knot style and are ideal for light applications such as rust or paint removal.



Flag at end of wire tuft provides additional brush flexibility for irregular surface preparation.



Extremely narrow tufted face is ideal for bead weld preparation.



Flexible wire points provide cleaning action for light applications.

Wire Size Specifications

The thickness of brush wire will impact the end result of the workpiece. Fine wire such as .008 will produce a finer finish and will yield a longer brush life. Thicker wires, such as .014 and .020 or higher, will be more aggressive and will decrease production times.

Brush Fill Materials

Carbon is a soft steel wire that can be used for lighter, general purpose brushing jobs. This is the most common wire brush material used.

Type 302 Stainless Steel Wire offers a long brush life and is resistant to corrosion. Type 302 stainless should be used when "after rust" or contamination is a problem such as on aluminum, stainless steel, or other high tensile alloys. "After rust" occurs when these alloys are brushed with other types of wire.