CATÁLOGO 2026

CORTECH
Creando Soluciones

Abrasivos y lubricantes

Mejor acabado, más vida de herramienta y un área de trabajo segura.



Discos, ruedas y piedras para cortar, desbastar y afilar, más fluidos de corte, lubricantes y absorbentes para mantener tu proceso y tu planta en orden.

Ruedas de corte
Discos de corte para acero e inoxidable.

Piedras de afilar
Piedras de banco y de mano para afilado y acabado.

Abrasivos
Discos de desbaste, lijas, discos laminados (flap) y ruedas.

Líquido para machuelos
Fluido de corte para roscado y barrenado; más vida del machuelo.

Lubricantes
Aceites, grasas y selladores para máquina y proceso.

Polvo absorbente
Absorbentes para derrames de aceite y refrigerante.

MARCAS EN ESTA LÍNEA

KLINGSPOR · TAP MAGIC · Spill King™ Absorbent · LOCTITE

Abrasive Type Codes:

WA = White Aluminum Oxide
HP = High Performance
SC = Green Silicon Carbide
CG = Ceramic Grain
P = Porous

See below for specific MFG. Codes

Contact Area Guide

Narrow - area of grind less than 25% of wheel width or less than 1/4″ wide.

Medium - area of grind 25%-50% of wheel width or 1/4″ - 1/2″ wide.

Wide - area of grind greater than 50% of wheel width or over 1/2″ wide.

Grit Size

Grit	Requirement	Finish	Minimum Corner Radius
46	General Purpose	32 Ra and rougher	0.020″
60	Commercial Finish	32 Ra and better	0.016″
80	Fine Finish	20 Ra and better	0.0105″
120	Very Fine Finish	10 Ra and better	0.006″
150	Corner-Form Holding		0.005″
180	Corner-Form Holding		0.0035″
220	Corner-Form Holding		0.0026″

Vitrified Wheel Starting Recommendations

Productivity/Performance	Narrow Contact Area			Medium Contact Area			Wide Contact Area		
	Best	Better	Good	Best	Better	Good	Best	Better	Good
Application / Material									
TOOL RESHARPENING									
– Heavy Stock Removal (> .004)									
HSS & Tool Steel RC 50-68	CG/46-K	HP/46-K	WA/46-K	CG/46-J	HP/46-J	WA/46-J			
– Moderate Stock Removal (.002-.004)									
HSS & Tool Steel RC 50-68	CG/60-K	HP/60-K	WA/60-K	CG/60-J	HP/60-J	WA/60-J			
Carbide			SC/60-J			SC/60-J			
SURFACE GRINDING									
– Heavy Stock Removal (> .004)									
HSS & Tool Steel RC 50-68	CG/46-J	HP/46-J	WA/46-J	CG/46-I	HP/46-I	CG,P/46-G	HP, P/46-G	WA, P/46-G	
400 Series Stainless							HP, P/46-G	WA, P/46-G	
Soft Steels RC 30-45	CG/46-K	HP/46-K	WA/46-K	CG/46-J	HP/46-J	WA/46-J	HP, P/46-H	HP, P/46-H	WA, P/46-H
300 Series Stainless								HP, P/46-H	WA, P/46-H
Cast Iron: Ductile & Gray	CG/46-K	HP/46-K	WA/46-K	CG/46-J	HP/46-J	WA/46-J	CG, P/46-H	HP, P/46-H	WA, P/46-H
Nonferrous Alloys			SC/46-J			SC/46-I			
– Moderate Stock Removal (.002-.004)									
HSS & Tool Steel RC 50-68	CG/60-J	HP/60-J	WA/60-J	CG/60-I	HP/60-I	WA/60-I	CG, P/60-G	HP, P/60-G	WA, P/60-G
400 Series Stainless									
Soft Steels RC 30-45	CG/60-K	HP/60-K	WA/60-K	CG/60-J	HP/60-J	WA/60-J	CG, P/60-H	HP, P/60-H	WA, P/60-H
300 Series Stainless								HP, P/60-H	WA, P/60-H
Cast Iron: Ductile & Gray	CG/60-K	HP/60-K	WA/60-K	CG/60-J	HP/60-J	WA/60-J	CG, P/60-H	HP, P/60-H	WA, P/60-H
Nonferrous Alloys			SC/60-J			SC/60-I			
– Light Stock Removal and Finishing (>/.001)									
HSS & Tool Steel RC 50-68		HP/80-J	WA/80-J		HP/80-I	WA/80-I		HP/80-H	WA/80-H
400 Series Stainless									
Soft Steels RC 30-45		HP/80-K	WA/80-K		HP/80-J	WA/80-J		HP/80-I	WA/80-I
300 Series Stainless									
Cast Iron: Ductile & Gray		HP/80-K	WA/80-K		HP/80-J	WA/80-J		HP/80-I	WA/80-I
Nonferrous Alloys			SC/80-J			SC/80-I			SC/80-H

Grinding Wheel Symbols & Markings

Sample Marking: Carborundum AA46-H8V40

AA (1) — Abrasive

Regular Aluminum Oxide

Norton	A
Carborundum	A
Camel	WA

(WA) White Aluminum Oxide

Norton	38A
Carborundum	AA
Camel	WA

(HP) High Performance Aluminum Oxide

Norton	32A
Carborundum	32AR
Camel	AZ, 32A

(SC) Green Silicon Carbide

Norton	39C
Carborundum	GC
Camel	GC

(CG) Ceramic Grain

Norton	5SG
Carborundum	Medalest
Camel	AS3

46 (2) — Grit Size

6	46	220
8	54	240
10	60	320
12	70	400
14	80	500
16	90	600
20	100	700
24	120	800
30	150	1000
36	180	

H (3) — Grade

A Soft
B
C
D
E
F
G
H
I
J
K
L
M
to
Z Hard

8 (4) — Structure

1 Dense
2
3
4
5
6
7
8
9
10
11
12 Open

V (5) — Bond Type

V — Vitrified
B — Resinoid
R — Rubber

40 (6) — Mfrs. Specific Bonds

10
11
20
30
40

The American Standards Association has adopted a uniform system of wheel markings for easy identification of the elements which have been built into a grinding wheel. Each marking consists of six parts in the following sequence.

1. Abrasive Type & Manufacturer's Prefix
2. Grit Size
3. Grade of Hardness
4. Structure
5. Bond Type
6. Manufacturer's Specific Bond

White Aluminum Oxide Precision Grinding Wheels

- 38A Abrasive cool cutting action
- AA Abrasive excellent friability



Size (in.) - 7 x 1/4 x 1-1/4											
			Norton Abrasives			Carborundum			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price	Spec	Order No.	Price
46	H	3600	38A46-HVBE	**MH60070039690**	Price	-	-	-	-	-	-
46	I	3600	38A46-I8VBE	**MH60070039691**	Price	-	-	-	WA46-IV	**MG9034600**	Price
46	J	3600	38A46-JVBE	**MH60070009755**	Price	-	-	-	-	-	-
60	H	3600	38A60-HVBE	**MH60070039695**	Price	-	-	-	-	-	-
60	I	3600	38A60-I8VBE	**MH60070039696**	Price	-	-	-	WA60-IV	**MG9034603**	Price
60	J	3600	38A60-J8VBE	**MH60070039698**	Price	AA60-JV40	**MG3709875**	Price	WA60-JV	**MG9034604**	Price
60	K	3600	38A60-KVBE	**MH60070039700**	Price	AA60-KV40	**MG3709874**	Price	WA60-KV	**MG9034605**	Price
80	H	3600	38A80-HVBE	**MH60070039707**	Price	-	-	-	-	-	-
80	I	3600	38A80-IVBE	**MH60070039808**	Price	-	-	-	-	-	-
80	J	3600	38A80-JVBE	**MH60070039809**	Price	-	-	-	WA80-JV	**MG9034606**	Price
80	K	3600	38A80-KVBE	**MH60070039812**	Price	-	-	-	WA80-KV	**MG9034607**	Price
100	H	3600	38A100-HVBE	**MH60070039822**	Price	-	-	-	-	-	-
100	I	3600	38A100-IVBE	**MH60070039823**	Price	AA100-IV40	**MG3709870**	Price	-	-	-
100	J	3600	38A100-JVBE	**MH60070039826**	Price	-	-	-	-	-	-
100	K	3600	38A100-KVBE	**MH60070039827**	Price	AA100-KV40	**MG3727714**	Price	WA100-KV	**MG9034608**	Price
100	L	3600	38A100-LVBE	**MH60070039830**	Price	-	-	-	-	-	-
120	J	3600	38A120-JVBE	**MH60070039833**	Price	-	-	-	-	-	-
120	K	3600	38A120-KVBE	**MH60070039834**	Price	-	-	-	WA120-KV	**MG9034609**	Price
150	K	3600	38A150-KVBE	**MH60070039838**	Price	AA150-KV40	**MG3709866**	Price	WA150KV	**MG9034610**	Price
150	L	3600	38A150-LVBE	**MH60070039839**	Price	-	-	-	-	-	-
220	L	3600	38A220-LVBE	**MH60070039847**	Price	-	-	-	-	-	-

Size (in.) - 7 x 1/2 x 1-1/4											
			Norton Abrasives			Carborundum			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price	Spec	Order No.	Price
46	G	3600	38A46-GVBE	**MH60070041022**	Price	-	-	-	WA46-GV	**MG9034614**	Price
46	H	3600	38A46-HVBE	**MH60070041023**	Price	AA46-HV40	**MG3709865**	Price	WA46-HV	**MG9034615**	Price
46	I	3600	38A46-IVBE	**MH60070041024**	Price	AA46-IV40	**MG3709864**	Price	WA46-IV	**MG9034616**	Price
46	J	3600	38A46-JVBE	**MH60070041026**	Price	AA46-JV40	**MG3709863**	Price	WA46-JV	**MG9034617**	Price
46	K	3600	38A46-KVBE	**MH60070041028**	Price	AA46-KV40	**MG3709862**	Price	WA46-KV	**MG9034618**	Price
60	H	3600	38A60-HVBE	**MH60070041035**	Price	-	-	-	WA60-HV	**MG9034619**	Price
60	I	3600	38A60-IVBE	**MH60070041036**	Price	AA60-IV40	**MG3709860**	Price	WA60-IV	**MG9034620**	Price
60	J	3600	38A60-JVBE	**MH60070041038**	Price	AA60-JV40	**MG3709859**	Price	WA60-JV	**MG9034621**	Price
60	K	3600	38A60-KVBE	**MH60070041041**	Price	AA60-KV40	**MG3709858**	Price	WA60-KV	**MG9034622**	Price
60	L	3600	38A60-LVBE	**MH60070011677**	Price	-	-	-	-	-	-
80	H	3600	38A80-HVBE	**MH60070041047**	Price	-	-	-	-	-	-
80	I	3600	38A80-IVBE	**MH60070041048**	Price	AA80-IV40	**MG3709857**	Price	-	-	-
80	J	3600	38A80-JVBE	**MH60070041049**	Price	AA80-JV40	**MG3709856**	Price	-	-	-
80	K	3600	38A80-KVBE	**MH60070041054**	Price	AA80-KV40	**MG3709854**	Price	WA80-KV	**MG9034623**	Price
80	L	3600	38A80-LVBE	**MH60070041056**	Price	-	-	-	-	-	-
100	I	3600	38A100-IVBE	**MH60070041163**	Price	-	-	-	-	-	-
100	J	3600	38A100-JVBE	**MH60070041165**	Price	-	-	-	-	-	-
100	K	3600	38A100-KVBE	**MH60070041168**	Price	-	-	-	WA100-KV	**MG9034624**	Price
120	J	3600	38A120-JVBE	**MH60070041174**	Price	-	-	-	-	-	-
120	K	3600	38A120-KVBE	**MH60070041175**	Price	AA120-KV40	**MG3762180**	Price	WA120-KV	**MG9034625**	Price
150	J	3600	38A150-JVBE	**MH60070041179**	Price	-	-	-	-	-	-

Size (in.) - 7 x 3/4 x 1-1/4					
			Norton Abrasives		
Grit	Hardness	Max. RPM	Spec	Order No.	Price
46	H	3600	38A46-HVBE	**MH60070041950**	Price
46	K	3600	38A46-KVBE	**MH60070041954**	Price
60	I	3600	38A60-IVBE	**MH60070042207**	Price
60	K	3600	38A60-KVBE	**MH60070042060**	Price

White Aluminum Oxide Precision Grinding Wheels (cont.)



Size (in.) - 7 x 3/4 x 1-1/4 (R/1 -- 2-3/4 x 1/4)								
			Norton Abrasives			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price
46	H	3600	-	-	-	WA46-HV	**MG9034636**	Price
46	I	3600	38A46-IVBE	**MH60070042222**	Price	-	-	-
60	I	3600	38A60-IVBE	**MH60070042225**	Price	-	-	-
60	J	3600	-	-	-	WA60-JV	**MG9034642**	Price

Size (in.) - 7 x 1 x 1-1/4 (R/1 -- 3 x 1/2)											
			Norton Abrasives			Carborundum			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price	Spec	Order No.	Price
46	H	3600	38A46-HVBE	**MH60070042707**	Price	-	-	-	WA46-HV	**MG9034647**	Price
46	I	3600	38A46-IVBE	**MH60070042809**	Price	AA46-IV40	**MG3709798**	Price	WA46-IV	**MG9034648**	Price
46	J	3600	38A46-J8VBE	**MH60070042810**	Price	-	-	-	WA46-JV	**MG9034649**	Price
46	K	3600	38A46-KVBE	**MH60070042793**	Price	-	-	-	-	-	-
60	I	3600	38A60-IVBE	**MH60070042815**	Price	AA60-IV40	**MG3709796**	Price	-	-	-
60	J	3600	38A60-JVBE	**MH60070042816**	Price	-	-	-	WA46-JV	**MG9034653**	Price
60	K	3600	38A60-KVBE	**MH60070042817**	Price	-	-	-	-	-	-

Size (in.) - 8 x 1/4 x 1-1/4											
			Norton Abrasives			Carborundum			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price	Spec	Order No.	Price
60	I	3600	38A60-IVBE	**MH60080043431**	Price	-	-	-	-	-	-
60	J	3600	38A60-JVBE	**MH60080043432**	Price	-	-	-	-	-	-
60	K	3600	38A60-KVBE	**MH60080010825**	Price	-	-	-	-	-	-
80	I	3600	38A80-IVBE	**MH60080043437**	Price	-	-	-	-	-	-
80	J	3600	38A80-JVBE	**MH60080043439**	Price	AA80 -JV40	**MG3709844**	Price	WA80-JV	**MG9034664**	Price
80	K	3600	38A80-KVBE	**MH60080043461**	Price	-	-	-	-	-	-
100	I	3600	38A100-IVBE	**MH60080043445**	Price	-	-	-	-	-	-
100	K	3600	38A100-KVBE	**MH60080043447**	Price	-	-	-	-	-	-
120	K	3600	38A120-KVBE	**MH60080043450**	Price	-	-	-	-	-	-
150	K	3600	38A150-KVBE	**MH60080043451**	Price	-	-	-	-	-	-

Size (in.) - 8 x 1/2 x 1-1/4											
			Norton Abrasives			Carborundum			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price	Spec	Order No.	Price
46	H	3600	38A46-HVBE	**MH60080043746**	Price	AA46-HV40	**MG3709841**	Price	WA46-HV	**MG9034671**	Price
46	I	3600	38A46-IVBE	**MH60080043749**	Price	AA46-IV40	**MG3709840**	Price	WA46I	**MG9034672**	Price
46	J	3600	38A46-JVBE	**MH60080043752**	Price	AA46-JV40	**MG3709839**	Price	WA46-JV	**MG9034673**	Price
46	K	3600	38A46-KVBE	**MH60080043762**	Price	-	-	-	WA46-KV	**MG9034674**	Price
60	H	3600	38A60-HVBE	**MH60080043756**	Price	-	-	-	-	-	-
60	I	3600	38A60-IVBE	**MH60080043757**	Price	AA46-IV40	**MG3709836**	Price	-	-	-
60	J	3600	38A60-JVBE	**MH60080043858**	Price	AA60-JV40	**MG3762190**	Price	WA60-JV	**MG9034677**	Price
60	K	3600	38A60-KVBE	**MH60080043861**	Price	-	-	-	-	-	-
80	I	3600	38A80-IVBE	**MH60080043866**	Price	-	-	-	-	-	-
80	J	3600	38A80-JVBE	**MH60080013787**	Price	-	-	-	-	-	-
80	K	3600	38A80-KVBE	**MH60080043869**	Price	AA80-KV40	**MG3709831**	Price	WA80-KV	**MG9034679**	Price
100	K	3600	38A100-KVBE	**MH60080043877**	Price	-	-	-	-	-	-

Size (in.) - 8 x 3/4 x 1-1/4											
			Norton Abrasives			Carborundum			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price	Spec	Order No.	Price
46	H	3600	38A46-HVBE	**MH60080044175**	Price	-	-	-	WA46-HV	**MG9034683**	Price
46	I	3600	38A46-IVBE	**MH60080044177**	Price	-	-	-	-	-	-

White Aluminum Oxide Precision Grinding Wheels (cont.)



Size (in.) - 8 x 3/4 x 1-1/4											
			Norton Abrasives			Carborundum			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price	Spec	Order No.	Price
46	J	3600	-	-	-	AA46-JV40	**MG3709827**	Price	-	-	-
46	K	3600	38A46-KVBE	**MH60080044180**	Price	-	-	-	-	-	-
60	I	3600	38A60-IVBE	**MH60080044184**	Price	-	-	-	-	-	-
60	J	3600	-	-	-	-	-	-	WA60-JV	**MG9034689**	Price

Size (in.) - 8 x 1 x 1-1/4 (R/1 -- 3-1/8 x 1/2)					
			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price
46	J	3600	WA46-JV	**MG9034696**	Price
46	K	3600	WA46-KV	**MG9034698**	Price
60	K	3600	WA60-KV	**MG9034702**	Price

Size (in.) - 10 x 1/2 x 3								
			Norton Abrasives			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price
60	J	2485	-	-	-	WA60-JV	**MG9034712**	Price
60	K	2485	38A60-KVBE	**MH60100049859**	Price	-	-	-

Size (in.) - 10 x 3/4 x 3								
			Norton Abrasives			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price
60	I	2485	38A60-IVBE	**MH60100060163**	Price	WA60-IV	**MG9034719**	Price

Size (in.) - 10 x 1 x 3								
			Carborundum			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price
46	H	2485	-	-	-	WA46-HV	**MG9034723**	Price
46	J	2485	AA46-JV40	**MG3709814**	Price	WA46-JV	**MG9034725**	Price

Size (in.) - 12 x 1 x 3											
			Norton Abrasives			Carborundum			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price	Spec	Order No.	Price
46	H	2070	38A46-HVBE	**MH60120062700**	Price	-	-	-	WA46-HV	**MG9034742**	Price
46	J	2070	38A46-JVBE	**MH60120062704**	Price	AA46-JV40	**MG3709810**	Price	-	-	-

Size (in.) - 12 x 1 x 5								
			Norton Abrasives			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price
46	I	2070	38A46-IVBE	**MH60120062703**	Price	-	-	-
46	J	2070	-	-	-	WA46-JV	**MG9034755**	Price
60	H	2070	-	-	-	WA60-HV	**MG9034759**	Price

Size (in.) - 12 x 1-1/2 x 3 (R/1 -- 7-1/2 x 1/2)					
			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price
46	H	2070	WA46-HV	**MG9034761**	Price
46	J	2070	WA46-JV	**MG9034763**	Price

White Aluminum Oxide Precision Grinding Wheels (cont.)



Size (in.) - 12 x 1-1/2 x 5 (R/1 - 7-1/2 x 1/2)								
			Norton Abrasives			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price
46	H	2070	-	-	-	WA46-HV	**MG9034769**	Price
46	I	2070	38A46-IVBE	**MH60120063175**	Price	WA46-IV	**MG9034770**	Price
46	J	2070	-	-	-	WA46-JV	**MG9034771**	Price
60	I	2070	-	-	-	WA60-IV	**MG9034774**	Price
60	K	2070	-	-	-	WA60-KV	**MG9034776**	Price

Size (in.) - 12 x 2 x 5					
			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price
46	H	2190	AZ46-H8	**MG9034436**	Price

Size (in.) - 12 x 2 x 5 (R/2 -- 7-1/2 x 1/2)					
			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price
46	I	2070	WA46-IV	**MG9034778**	Price
46	J	2070	WA46-JV	**MG9034779**	Price

Size (in.) - 14 x 1 x 5											
			Norton Abrasives			Carborundum			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price	Spec	Order No.	Price
46	J	1800	-	-	-	AA46-JV40	**MG3709806**	Price	-	-	-
60	I	1800	38A60-IVBE	**MH60140063947**	Price	-	-	-	WA60-IV	**MG9034790**	Price

Size (in.) - 14 x 1-1/2 x 5								
			Norton Abrasives			Carborundum		
Grit	Hardness	Max. RPM	Spec	Order No.	Price	Spec	Order No.	Price
46	H	1800	38-46-HVBE	**MH60140013968**	Price	-	-	-
46	I	1800	38A46-IVBE	**MH6066253364090**	Price	-	-	-
46	J	1800	38A46-JVBE	**MH60140064240**	Price	AA46-JV40	**MG3709804**	Price
60	I	1800	38A60-IVBE	**MH60140064247**	Price	-	-	-
60	J	1800	-	-	-	AA60-JV40	**MG3709803**	Price

Size (in.) - 14 x 1-1/2 x 5 (R/1 -- 8 x 1/2)					
			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price
46	H	1800	WA46-HV	**MG9034793**	Price
46	I	1800	WA46-IV	**MG9034794**	Price
46	J	1800	WA46-JV	**MG9034795**	Price
60	I	1800	WA60-IV	**MG9034798**	Price

Size (in.) - 14 x 2 x 5 (R/1 -- 8 x 1)					
			CGW		
Grit	Hardness	Max. RPM	Spec	Order No.	Price
46	H	1800	WA46-HV	**MG9034811**	Price
46	I	1800	WA46-IV	**MG9034812**	Price
46	J	1800	WA46-JV	**MG9034813**	Price
60	I	1800	WA60-IV	**MG9034816**	Price

Toolroom Surface Grinding Wheels

Single Pack

Features:
- Friable, aluminum oxide abrasive grain
- Versatile, consistent performance
- Aluminum Oxide

Benefits:
- Ideal for applications with light to moderate feed rates
- Works well on high-speed steel and general purpose tool steel
- Cost effective for light production and maintenance operations



Size (in.)	Max. RPM	Specification	Order No.	Price
7 x 1/4 x 1-1/4	3600	Gemini 60-I	**MH60070046722**	Price
7 x 1/4 x 1-1/4	3600	Gemini 60-J	**MH60070046788**	Price
7 x 1/4 x 1-1/4	3600	Gemini 60-K	**MH60070046789**	Price
7 x 1/4 x 1-1/4	3600	Gemini 80-K	**MH60070046792**	Price
7 x 1/2 x 1-1/4	3600	Gemini 46-H	**MH60070046795**	Price
7 x 1/2 x 1-1/4	3600	Gemini 46-I	**MH60070046800**	Price
7 x 1/2 x 1-1/4	3600	Gemini 60-I	**MH60070046818**	Price
7 x 1/2 x 1-1/4	3600	Gemini 46-J	**MH60070046802**	Price
7 x 1/2 x 1-1/4	3600	Gemini 60-J	**MH60070046820**	Price
7 x 1/2 x 1-1/4	3600	Gemini 46-K	**MH60070046812**	Price
7 x 1/2 x 1-1/4	3600	Gemini 60-K	**MH60070046821**	Price
7 x 1/2 x 1-1/4	3600	Gemini 80-K	**MH60070046832**	Price
7 x 1/2 x 1-1/4	3600	Gemini 100-K	**MH60070046838**	Price
7 x 3/4 x 1-1/4	3600	Gemini 46-J	**MH60070046826**	Price
7 x 3/4 x 1-1/4	3600	Gemini 60-J	**MH60070046830**	Price
7 x 1 x 1-1/4	3600	Gemini 46-H	**MH60070046831**	Price
7 x 1 x 1-1/4	3600	Gemini 46-J	**MH60070046835**	Price
7 x 1 x 1-1/4	3600	Gemini 60-J	**MH60070046839**	Price
8 x 1/2 x 1-1/4	3600	Gemini 46-H	**MH60080046841**	Price
8 x 1/2 x 1-1/4	3600	Gemini 46-I	**MH60080046843**	Price
8 x 1/2 x 1-1/4	3600	Gemini 46-J	**MH60080046845**	Price
8 x 1/2 x 1-1/4	3600	Gemini 60-J	**MH60080046857**	Price
8 x 1/2 x 1-1/4	3600	Gemini 46-K	**MH60080046848**	Price
8 x 1 x 1-1/4	3105	Gemini 46-H	**MH60080046849**	Price
8 x 1 x 1-1/4	3600	Gemini 46-J	**MH60080046850**	Price

Hex Flange Spindle Nuts for Sopko Spanner Wrench

- 7/8" x 1/2-13 Hex flange spindle nuts are for use with #35135 Sopko combination hex socket spanner wrench



Thread	Order No.	Price
Left Hand	**SP505001L**	Price
Right Hand	**SP505002R**	Price
Socket & Spanner Wrench	**SP5035135**	Price

Precision Wheel Adapters



Precision Ground Wheel Adapters for Standard Cutter and Surface Grinders

- All ground wheel adapters will save you time and money in your tool room and tool grinding departments

Type - 2-1/4" Dia. Wheel Adapter for 7" Grinding Wheels						
	For 1" Wide Wheel		For 1/4" to 1/2" Wide Wheel		For 3/4" Wide Wheel	
Thread	Order No.	Price	Order No.	Price	Order No.	Price
Left Hand	**SP503001LH**	Price	**SP502001LH**	Price	**SP501001LH**	Price
Right Hand	**SP503002RH**	Price	**SP502002RH**	Price	**SP501002RH**	Price

Type - 3" Dia. Wheel Adapter for 8" Grinding Wheels						
	For 1" Wide Wheel		For 1/4" to 1/2" Wide Wheel		For 3/4" Wide Wheel	
Thread	Order No.	Price	Order No.	Price	Order No.	Price
Left Hand	**SP503301LH**	Price	**SP502301LH**	Price	**SP501301LH**	Price
Right Hand	**SP503302RH**	Price	**SP502302RH**	Price	**SP501302RH**	Price

Type - Cincinnati Nos. 1 and 2, Covel, Gallmeyer, Livingston Cutter Grinders and all others with a 7/8" opening and 4-1/2" T.P.F.				
	1" Wide Wheel		1/2" Wide Wheel	
Thread	Order No.	Price	Order No.	Price
Left Hand	**SP50C1001LH**	Price	**SP50C2001LH**	Price
Right Hand	**SP50C1002RH**	Price	**SP50C2002RH**	Price

Style No. 2 Long Extended Type for Added Clearance



- For use with 1/2 wide wheel and extends wheel forward 1-5/8"
- Hardened and ground with heat treated nuts

Thread Direction	Order No.	Price
Long Left Hand	**SP502001L**	Price
Long Right Hand	**SP502002R**	Price

Style No. 4.5 Flanged Adapter Complete

- One piece hardened and ground flanged adapter for use with thin cut off wheels
- Mating side flange plate is 5/16" thick and 4-1/2" OD
- Hardened and ground



Thread Direction	Order No.	Price
Flanges Only Order	**SP50045SP**	Price
Left Hand	**SP50451LH**	Price
Right Hand	**SP50452RH**	Price

Puller Bushing and Screw

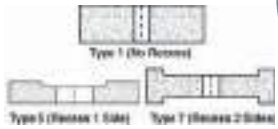


- Consists of a threaded steel bushing which screws into the open end of the adapter
- A 1-1/2" puller bolt screws through the puller bushing pressing against the end of the spindle, gently forcing the adapter assembly off the spindle
- All Sopko Adapters have this puller feature

Order No.	Price
SP50116	Price

32A High Performance Surface Grinding Wheels





- Ideal for grinding all types of tool steel
- Strong and sharp abrasive – good penetration on tough alloy steels
- For moderate to heavy infeed rates, rapid stock removal and precision contouring

8" Type 01 and Type 05 Vitrified Toolroom Wheels Maximum Operating Speeds:

- Stock NorPor VP2 wheels = 3600 RPMs
- All other 46 grit, J grade and harder = 3600 RPMs
- All other 54 grit, I grade and harder = 3600 RPMs
- All other 60 grit and finer, H grade and harder = 3600 RPMs
- All other specifications = 3105 RPMs
- *It is the user's responsibility to refer to and comply with ANSI B7.1

Size - 7 x 1/4 x 1-1/4

Grit	Hardness	Spec	Max. RPM	Order No.	Price
100	K	32A100-KVBE	3600	**MH60070039673**	Price
46	H	32A46-HVBE	3600	**MH60070039543**	Price
46	I	32A46-IVBE	3600	**MH60070039544**	Price
46	J	32A46-JVBE	3600	**MH60070039545**	Price
46	K	32A46-KVBE	3600	**MH60070039862**	Price
60	H	32A60-HVBE	3600	**MH60070039547**	Price
60	I	32A60-IVBE	3600	**MH60070039548**	Price
60	J	32A60-J8VBE	3600	**MH60070039549**	Price
60	K	32A60-K5VBE	3600	**MH60070039552**	Price
80	H	32A80-HVBE	3600	**MH60070039557**	Price
80	I	32A80-IVBE	3600	**MH60070039658**	Price
80	J	32A80-JVBE	3600	**MH60070039660**	Price
80	K	32A80-KVBE	3600	**MH60070039662**	Price
100	I	32A100-IVBE	3600	**MH60070039670**	Price

Size - 7 x 1/2 x 1-1/4

Grit	Hardness	Spec	Max. RPM	Order No.	Price
120	L	32A120-LVBE	3600	**MH60070041018**	Price
46	H	32A46-HVBE	3600	**MH60070040863**	Price
46	I	32A46-IVBE	3600	**MH60070040864**	Price
46	J	32A46-JVBE	3600	**MH60070040865**	Price
46	K	32A46-KVBE	3600	**MH60070040867**	Price
60	H	32A60-HVBE	3600	**MH60070040879**	Price
60	I	32A60-IVBE	3600	**MH60070040880**	Price
60	J	32A60-JVBE	3600	**MH60070040882**	Price
60	K	32A60-KVBE	3600	**MH60070040885**	Price
60	L	32A-60LVBE	3600	**MH60070040888**	Price
80	H	32A80-HVBE	3600	**MH60070040894**	Price
80	I	32A80-IVBE	3600	**MH60070040895**	Price
80	J	32A80-JVBE	3600	**MH60070040897**	Price
80	K	32A80-KVBE	3600	**MH60070040899**	Price
80	L	32A80-LVBE	3600	**MH60070040900**	Price
100	I	32A100-IVBE	3600	**MH60070040907**	Price
100	J	32A100-JVBE	3600	**MH60070041008**	Price

Size - 7 x 3/4 x 1-1/4

Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	3600	**MH60070041930**	Price
46	I	32A46-IVBE	3600	**MH60070041931**	Price
46	K	32A46-KVBE	3600	**MH60070041935**	Price
60	I	32A60-IVBE	3600	**MH60070041938**	Price
60	K	32A60-KVBE	3600	**MH60070041943**	Price

Size - 7 x 3/4 x 1-1/4 (R/1 -- 2-3/4 x 1/4)

Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	3600	**MH60070042209**	Price
46	I	32A46-IVBE	3600	**MH60070042211**	Price
46	J	32A46-JVBE	3600	**MH60070042213**	Price
60	I	32A60-IVBE	3600	**MH60070042217**	Price
60	J	32A60-JVBE	3600	**MH60070042218**	Price
60	K	32A60-KVBE	3600	**MH60070042205**	Price

Size - 7 x 1 x 1-1/4

Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	3600	**MH60070042513**	Price
46	J	32A46-JVBE	3600	**MH60070042268**	Price
60	I	32A60-IVBE	3600	**MH60070042524**	Price
60	K	32A60-KVBE	3600	**MH60070042709**	Price

Size - 7 x 1 x 1-1/4 (R/1 -- 3 x 1/2)

Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	3600	**MH60070042689**	Price
46	I	32A46-IVBE	3600	**MH60070042690**	Price
60	I	32A60-IVBE	3600	**MH60070042686**	Price

Size - 8 x 1/4 x 1-1/4

Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	3600	**MH60080043412**	Price
46	I	32A46-IVBE	3600	**MH60080043310**	Price
46	K	32A46-KVBE	3600	**MH60080043413**	Price
60	I	32A60-IVBE	3600	**MH60080043416**	Price
60	J	32A60-JVBE	3600	**MH60080043417**	Price
60	K	32A60-KVBE	3600	**MH60080043399**	Price
80	I	32A80-IVBE	3600	**MH60080043421**	Price
80	K	32A80-KVBE	3600	**MH60080043458**	Price
100	I	32A100-IVBE	3600	**MH60080043426**	Price
100	K	32A100-KVBE	3600	**MH60080043428**	Price

Size - 8 x 1/2 x 1-1/4

Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	3600	**MH60080043712**	Price
46	I	32A46-IVBE	3600	**MH60080043713**	Price
46	J	32A46-JVBE	3600	**MH60080043715**	Price
46	K	32A46-KVBE	3600	**MH60080043716**	Price
60	H	32A60-HVBE	3600	**MH60080043724**	Price
60	I	32A60-IVBE	3600	**MH60080043725**	Price
60	J	32A60-JVBE	3600	**MH60080043727**	Price
60	K	32A60-KVBE	3600	**MH60080043729**	Price

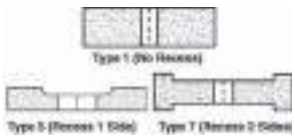
32A High Performance Surface Grinding Wheels (cont.)



- Ideal for grinding all types of tool steel
- Strong and sharp abrasive – good penetration on tough alloy steels
- For moderate to heavy infeed rates, rapid stock removal and precision contouring

8" Type 01 and Type 05 Vitrified Toolroom Wheels Maximum Operating Speeds:

- Stock NorPor VP2 wheels = 3600 RPMs
- All other 46 grit, J grade and harder = 3600 RPMs
- All other 54 grit, I grade and harder = 3600 RPMs
- All other 60 grit and finer, H grade and harder = 3600 RPMs
- All other specifications = 3105 RPMs
- *It is the user's responsibility to refer to and comply with ANSI B7.1



Size - 8 x 1/2 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
80	H	32A80-HVBE	3600	**MH60080043733**	Price
80	I	32A80-IVBE	3600	**MH60080043734**	Price
80	J	32A80-JVBE	3600	**MH60080043736**	Price
80	K	32A80-KVBE	3600	**MH60080043737**	Price
100	I	32A100-IVBE	3600	**MH60080043740**	Price
100	K	32A100-KVBE	3600	**MH60080043742**	Price

Size - 8 x 3/4 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	3600	**MH60080044159**	Price
46	I	32A46-IVBE	3600	**MH60080044215**	Price
46	J	32A46-JVBE	3600	**MH60080044161**	Price
46	K	32A46-KVBE	3600	**MH60080044165**	Price
60	H	32A60-HVBE	3600	**MH60080044168**	Price
60	I	32A60-IVBE	3600	**MH60080044169**	Price
60	J	32A60-JVBE	3600	**MH60080044171**	Price
60	K	32A60-KVBE	3600	**MH60080044173**	Price
80	K	32A80-KVBE	3600	**MH60080044064**	Price

Size - 8 x 1 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	3600	**MH60080044616**	Price
46	I	32A46-IVBE	3600	**MH60080044617**	Price
46	K	32A46-KVBE	3600	**MH60080044622**	Price
60	I	32A60-IVBE	3600	**MH60080044624**	Price
60	K	32A60-KVBE	3600	**MH60080044629**	Price

Size - 8 x 1 x 1-1/4 (R/1 -- 3-1/4 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	32A46-IVBE	3600	**MH60080044790**	Price
60	I	32A60-IVBE	3600	**MH60080044753**	Price
60	K	32A60-KVBE	3600	**MH60080044810**	Price

Size - 10 x 1 x 3					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	2485	**MH60100060747**	Price
46	I	32A46-IVBE	2485	**MH60100060750**	Price
46	K	32A46-KVBE	2485	**MH60100060758**	Price
60	I	32A60-IVBE	2485	**MH60100060769**	Price
60	K	32A60-KVBE	2485	**MH60100060777**	Price

Size - 12 x 1 x 3					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	2070	**MH60120062562**	Price
46	I	32A46-IVBE	2070	**MH60120062564**	Price
46	J	32A46-JVBE	2070	**MH60120062567**	Price
46	K	32A46-KVBE	2070	**MH60120062572**	Price
60	H	32A60-HVBE	2070	**MH60120062580**	Price
60	I	32A60-IVBE	2070	**MH60120062581**	Price
60	K	32A60-KVBE	2070	**MH60120062689**	Price
80	K	32A80-KVBE	2070	**MH60120062532**	Price

Size - 12 x 3/4 x 3					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	2070	**MH60120062260**	Price
46	I	32A46-IVBE	2070	**MH60120062261**	Price
60	I	32A60-IVBE	2070	**MH60120062270**	Price
60	K	32A60-KVBE	2070	**MH60120062273**	Price

Size - 12 x 1 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	2070	**MH60120062563**	Price
46	I	32A46-IVBE	2070	**MH60120062565**	Price
46	K	32A46-KVBE	2070	**MH60120062573**	Price
60	I	32A60-IVBE	2070	**MH60120062582**	Price
60	J	32A60-JVBE	2070	**MH60120062686**	Price
60	K	32A60-KVBE	2070	**MH60120062691**	Price
80	J	32A80-JVBE	2070	**MH60120062696**	Price
80	K	32A80-KVBE	2070	**MH60120062697**	Price

Size - 12 x 2 x 3 (R/2 -- 7-1/4 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	2070	**MH60120063590**	Price
46	I	32A46-IVBE	2070	**MH60120063588**	Price
46	J	32A46-JVBE	2070	**MH60120063348**	Price

Size - 12 x 2 x 5 (R/2 -- 7-1/2 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	2070	**MH60120063591**	Price
46	I	32A46-IVBE	2070	**MH60120063594**	Price

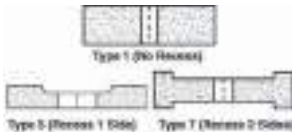
32A High Performance Surface Grinding Wheels (cont.)



- Ideal for grinding all types of tool steel
- Strong and sharp abrasive – good penetration on tough alloy steels
- For moderate to heavy infeed rates, rapid stock removal and precision contouring

8" Type 01 and Type 05 Vitrified Toolroom Wheels Maximum Operating Speeds:

- Stock NorPor VP2 wheels = 3600 RPMs
- All other 46 grit, J grade and harder = 3600 RPMs
- All other 54 grit, I grade and harder = 3600 RPMs
- All other 60 grit and finer, H grade and harder = 3600 RPMs
- All other specifications = 3105 RPMs
- *It is the user's responsibility to refer to and comply with ANSI B7.1



Size - 12 x 2 x 5 (R/2 -- 7-1/2 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	J	32A46-JVBE	2070	**MH60120063483**	Price
46	K	32A46-KVBE	2070	**MH60120063596**	Price

Size - 14 x 1 x 3					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	1800	**MH60140063912**	Price
46	I	32A46-IVBE	1800	**MH60140063914**	Price
60	I	32A60-IVBE	1800	**MH60140063927**	Price

Size - 14 x 1 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	1800	**MH60140063913**	Price
46	I	32A46-IVBE	1800	**MH60140063915**	Price
46	J	32A46-JVBE	1800	**MH60140063919**	Price
46	K	32A46-KVBE	1800	**MH60140063921**	Price
60	H	32A60-HVBE	1800	**MH60140063926**	Price
60	J	32A60-JVBE	1800	**MH60140063930**	Price
60	K	32A60-KVBE	1800	**MH60140063932**	Price
60	L	32A60-LVBE	1800	**MH60140064035**	Price
80	J	32A80-JVBE	1800	**MH60140064038**	Price

Size - 14 x 1 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
80	K	32A80-KVBE	1800	**MH60140064039**	Price

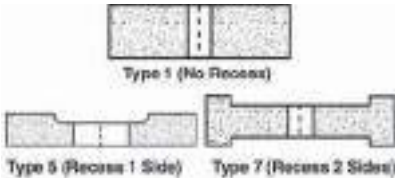
Size - 14 x 1-1/2 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	1800	**MH60140064335**	Price
46	I	32A46-IVBE	1800	**MH60140064336**	Price
46	J	32A46-JVBE	1800	**MH60140064337**	Price
46	K	32A46-KVBE	1800	**MH60140064339**	Price
60	H	32A60-HVBE	1800	**MH60140064340**	Price
60	I	32A60-IVBE	1800	**MH60140064239**	Price
60	J	32A60-JVBE	1800	**MH60140064341**	Price
60	K	32A60-KVBE	1800	**MH60140064342**	Price
80	J	32A80-JVBE	1800	**MH60140064246**	Price

Size - 14 x 1-1/2 x 5 (R/1 -- 8 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32A46-HVBE	1800	**MH60140064359**	Price
46	I	32A46-IVBE	1800	**MH60140064300**	Price
60	J	32A60-JVBE	1800	**MH60140064364**	Price
60	K	32A60-KVBE	1800	**MH60140064365**	Price

32AR High Performance Oxide Precision Grinding Wheels



- Ideal for grinding all types of tool steel
- Strong and sharp abrasive – good penetration on tough alloy steels
- For moderate to heavy infeed rates, rapid stock removal and precision contouring





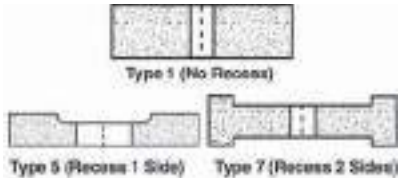
Size (in.) - 7 x 1/4 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32AR46-HV40	3600	**MG3727686**	Price
46	J	32AR46-JV40	3600	**MG3727688**	Price
60	I	32AR60-IV40	3600	**MG3727689**	Price
60	J	32AR60-JV40	3600	**MG3727311**	Price
60	K	32AR60-KV40	3600	**MG3727312**	Price
80	J	32AR80-JV40	3600	**MG3727314**	Price
80	K	32AR80-KV40	3600	**MG3727315**	Price

Size (in.) - 7 x 1/2 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	G/P	32AR46-GV40P	3600	**MG3727317†**	Price
46	H	32AR46-HV40	3600	**MG3727319**	Price
46	H/P	32AR46-HV40P	3600	**MG3727318†**	Price
46	I	32AR46-IV40	3600	**MG3727321**	Price
46	J	32AR46-JV40	3600	**MG3727322**	Price
46	K	32AR46-KV40	3600	**MG3727323**	Price
60	H	32AR60-HV40	3600	**MG3727326**	Price
60	I	32AR60-IV40	3600	**MG3727327**	Price
60	J	32AR60-JV40	3600	**MG3727328**	Price
60	K	32AR60-KV40	3600	**MG3727329**	Price
80	K	32AR80-KV40	3600	**MG3727331**	Price

CARBORUNDUM

32AR High Performance Oxide Precision Grinding Wheels (cont.)

- Ideal for grinding all types of tool steel
- Strong and sharp abrasive – good penetration on tough alloy steels
- For moderate to heavy infeed rates, rapid stock removal and precision contouring





Size (in.) - 7 x 3/4 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	32AR46-IV40	3600	**MG3727334**	Price
60	K	32AR60-KV40	3600	**MG3727337**	Price

Size (in.) - 7 x 1 x 1-1/4 (R/1 -- 2-3/4 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32AR46-HV40	3600	**MG3727703**	Price
46	I	32AR46-IV40	3600	**MG3727675**	Price
46	K	32AR46-KV40	3600	**MG3762285**	Price
60	I	32AR60-IV40	3600	**MG3727704**	Price

Size (in.) - 8 x 1/4 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
60	K	32AR60-KV40	3600	**MG3727338**	Price
80	K	32AR80-KV40	3600	**MG3727339**	Price

Size (in.) - 8 x 1/2 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	G/P	32AR46-GV40P	3600	**MG3727340†**	Price
46	H	32AR46-HV40	3600	**MG3727342**	Price
46	H/P	32AR46-HV40P	3600	**MG3727341†**	Price
46	I	32AR46-IV40	3600	**MG3727343**	Price
46	J	32AR46-JV40	3600	**MG3727344**	Price
46	K	32AR46-KV40	3600	**MG3727345**	Price
60	H	32AR60-HV40	3600	**MG3727347**	Price
60	I	32AR60-IV40	3600	**MG3727348**	Price
60	J	32AR60-JV40	3600	**MG3727349**	Price

Size (in.) - 8 x 3/4 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	32AR46-IV40	3600	**MG3727353**	Price
46	J	32AR46-JV40	3600	**MG3727354**	Price
60	J	32AR46-JV40	3600	**MG3727356**	Price

Size (in.) - 8 x 1 x 1-1/4 (R/1 -- 3 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	32AR46-IV40	3600	**MG3727677**	Price
46	J	32AR46-JV40	3600	**MG3727678**	Price

Size (in.) - 10 x 1 x 3					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	32AR46-IV40	2485	**MG3727359**	Price
60	I	32AR60-IV40	2485	**MG3727360**	Price
60	K	32AR60-KV40	2485	**MG3762204**	Price

Size (in.) - 12 x 1 x 3					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	32AR46-IV40	2070	**MG3762216**	Price
46	J	32AR46-JV40	2070	**MG3727362**	Price
60	J	32AR60-JV40	2070	**MG3727364**	Price

Size (in.) - 12 x 1 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	32AR46-IV40	2070	**MG3727365**	Price

Size (in.) - 12 x 1-1/2 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32AR46-HV40	2070	**MG3727368**	Price
46	I	32AR46-IV40	2070	**MG3727369**	Price

Size (in.) - 14 x 1 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32AR46-HV40	1800	**MG3762230**	Price
46	J	32AR46-JV40	1800	**MG3727370**	Price
60	J	32AR60-JV40	1800	**MG3727371**	Price

Size (in.) - 14 x 1-1/2 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	32AR46-HV40	1800	**MG3727372**	Price
46	I	32AR46-IV40	1800	**MG3727673**	Price
46	J	32AR46-JV40	1800	**MG3727700**	Price
46	K	32AR46-KV40	1800	**MG3762236**	Price

32A Surface Grinding Wheels

Gray Vitrified

- Sharp mono-crystalline aluminum oxide grain with premium CGW bond offers excellent versatility and performance on a wide range of applications and materials
- Outstanding form holding wheel with free cutting grain
- Ideal for medium to heavy stock removal





Size (in.) - 7 x 1/2 x 1-1/4						
Grit	Hardness	Spec	Box Qty.	Max RPM	Order No.	Price
46	H	32A46-H8V	10	3600	**MG9037700**	Price
46	I	32A46-I8V	10	3600	**MG9037701**	Price
46	J	32A46-J8V	10	3600	**MG9037702**	Price
46	K	32A46-K8V	10	3600	**MG9037703**	Price
60	I	32A60-I8V	10	3600	**MG9037704**	Price
60	J	32A60-J8V	10	3600	**MG9037705**	Price
60	K	32A60-K8V	10	3600	**MG9037706**	Price
80	K	32A80-K8V	10	3600	**MG9037728**	Price

Size (in.) - 7 x 3/4 x 1-1/4 (R/1 -- 3 x 1/4)						
Grit	Hardness	Spec	Box Qty.	Max RPM	Order No.	Price
46	H	32A46-H8V	10	3600	**MG9037729**	Price
60	J	32A60-J8V	10	3600	**MG9037731**	Price

Size (in.) - 7 x 1 x 1-1/4 (R/1 -- 3 x 1/2)						
Grit	Hardness	Spec	Box Qty.	Max RPM	Order No.	Price
46	H	32A46-H8V	10	3600	**MG9037732**	Price
46	J	32A46-J8V	10	3600	**MG9037733**	Price
60	J	32A60-J8V	10	3600	**MG9037734**	Price

Size (in.) - 8 x 1/2 x 1-1/4						
Grit	Hardness	Spec	Box Qty.	Max RPM	Order No.	Price
46	H	32A46-H8-V	10	3600	**MG9037707**	Price
46	I	32A46-I8-V	10	3600	**MG9037708**	Price
46	J	32A46-J8-V	10	3600	**MG9037709**	Price
60	J	32A60-J8-V	10	3600	**MG9037710**	Price
60	K	32A60K8-V	10	3600	**MG9037711**	Price
80	K	32A80-K8V	10	3600	**MG9037736**	Price

Size (in.) - 10 x 1 x 3						
Grit	Hardness	Spec	Box Qty.	Max RPM	Order No.	Price
46	J	32A46-J8V	5	2675	**MG9037737**	Price
60	J	32A60-J8V	5	2675	**MG9037738**	Price

Size (in.) - 12 x 1 x 3						
Grit	Hardness	Spec	Box Qty.	Max RPM	Order No.	Price
46	H	32A46-H8-V	2	2228	**MG9037712**	Price
46	J	32A46-J8-V	2	2228	**MG9037713**	Price
60	K	32A60-K8V	2	2228	**MG9037739**	Price

Size (in.) - 12 x 1 x 5						
Grit	Hardness	Spec	Box Qty.	Max RPM	Order No.	Price
46	J	32A46-J8V	2	2228	**MG9037740**	Price
46	K	32A46-K8V	2	2228	**MG9037741**	Price
60	J	32A60-J8V	2	2228	**MG9037742**	Price
80	K	32A80-K8V	2	2228	**MG9037754**	Price

Size (in.) - 12 x 1-1/2 x 5 (R/1 -- 7-1/2 x 1/2)						
Grit	Hardness	Spec	Box Qty.	Max RPM	Order No.	Price
46	H	32A46-H8-V	2	2228	**MG9037714**	Price
46	J	32A46-J8-V	2	2228	**MG9037715**	Price
60	J	32A60-J8V	2	2228	**MG9037755**	Price
60	K	32A60-K8V	2	2228	**MG9037744**	Price

Size (in.) - 12 x 2 x 5 (R/2 -- 7-1/2 x 1/2)						
Grit	Hardness	Spec	Box Qty.	Max RPM	Order No.	Price
46	H	32A46-H8-V	1	2228	**MG9037716**	Price
46	I	32A46-I8-V	1	2228	**MG9037717**	Price

Size (in.) - 14 x 1 x 5						
Grit	Hardness	Spec	Box Qty.	Max RPM	Order No.	Price
46	H	32A46-H8V	2	1910	**MG9037745**	Price
46	I	32A46-I8V	2	1910	**MG9037718**	Price
60	K	32A60-K8V	2	1910	**MG9037746**	Price
80	K	32A80-K8V	2	1910	**MG9037761**	Price

Size (in.) - 14 x 1-1/2 x 5						
Grit	Hardness	Spec	Box Qty.	Max RPM	Order No.	Price
46	H	32A46-H8-V	2	1910	**MG9037719**	Price
46	I	32A46-I8V3	2	1910	**MG9037747**	Price
46	J	32A46-J8V	2	1910	**MG9037720**	Price

Size (in.) - 14 x 1-1/2 x 5 (R/1 -- 8 x 1/2)						
Grit	Hardness	Spec	Box Qty.	Max RPM	Order No.	Price
46	H	32A46-H8-V	2	1910	**MG9037721**	Price
46	I	32A46-I8-V	2	1910	**MG9037722**	Price
46	K	32A46-K8V	2	1910	**MG9037748**	Price
60	J	32A60-K8V	2	1910	**MG9037749**	Price

Size (in.) - 14 x 2 x 5						
Grit	Hardness	Spec	Box Qty.	Max RPM	Order No.	Price
46	H	32A46-H8V	1	1910	**MG9037750**	Price
46	J	32A46-J8V	1	1910	**MG9037723**	Price
60	J	32A60-J8V	1	1910	**MG9037764**	Price

Size (in.) - 14 x 2 x 5 (R/1 -- 8 x 1)						
Grit	Hardness	Spec	Box Qty.	Max RPM	Order No.	Price
46	H	32A46-H8-V	1	1910	**MG9037724**	Price
46	J	32A46-J8V	1	1910	**MG9037751**	Price
60	K	32A60-K8-V	1	1910	**MG9037726**	Price

Size (in.) - 14 x 2 x 5 (R/2 -- 8 x 3/8)						
Grit	Hardness	Spec	Box Qty.	Max RPM	Order No.	Price
46	H	32A46-H8V	1	1910	**MG9037752**	Price
60	J	32A60-J8V	1	1910	**MG9037753**	Price

High Porosity Grinding Wheels

CARBO COOL

Features:
- Controlled porosity bond
- Durable Bond Post

Benefits:
- Increased chip clearance and maximum coolant flow
- Reduced loading
- Cool cutting-wet or dry-in heat sensitive applications
- Maximum grain retention
- Less dressing, longer wheel life

White (AA) Abrasive
Exceptionally cool cutting action in light pressure grinding applications or where burn is a concern

Ruby (AA) Abrasive
Exceptionally cool cutting and good form holding

Pink (PA) Abrasive
Designed to fit a broad variety of steels at light to moderate feed rates

Ruby (Medalist R) CeramicAlumina Abrasive
Maximum Productivity, lowest total grinding cost



Size (in.) - 7 x 1/2 x 1-1/4											
			Pink (PA) Abrasive			Ruby (AR) Abrasive			White (AA) Abrasive		
Grit	Hardness	RPM	Spec	Order No.	Price	Spec	Order No.	Price	Spec	Order No.	Price
46	G	3600	PA46-GPP	**MG3764477**	Price	AR46-GPP	**MG3764480**	Price	AA46-GV40	**MG3764479**	Price
46	H	3600	PA46-HPP	**MG3764490**	Price	AR46-HPP	**MG3764484**	Price	AA46-HV40	**MG3764487**	Price
60	G	3600	PA60-GPP	**MG3764491**	Price	-	**-**	-	AA60-GV40	**MG3764488**	Price
60	H	3600	PA60-HPP	**MG3764492**	Price	AR60-HPP	**MG3764486**	Price	AA60-HPP	**MG3764489**	Price

Size (in.) - 8 x 1/2 x 1-1/4														
			Pink (PA) Abrasive			Purple (R) Ceramic Abrasive			Ruby (AR) Abrasive			White (AA) Abrasive		
Grit	Hardness	RPM	Spec	Order No.	Price	Spec	Order No.	Price	Spec	Order No.	Price	Spec	Order No.	Price
46	G	3600	-	**-**	-	-	**-**	-	AR46-GPP	**MG3764523**	Price	-	**-**	-
46	H	3600	PA46-HPP	**MG3764562**	Price	R46-HVPP	**MG3764503**	Price	AR46-HPP	**MG3764530**	Price	AA46-HV40	**MG3764599**	Price
60	G	3600	-	**-**	-	-	**-**	-	AR60-GPP	**MG3764537**	Price	-	**-**	-

32A Porous Vitrified Wheels

Ideal for medium to heavy stock removal



Type 1 (No Recess)



Features:
- Sharp monocrystalline aluminum oxide grain – industry's most versatile abrasive
- Proven VBEP bond technology

Benefits:
- Free cutting on a wide range of applications and materials the industry's most versatile abrasive
- Outstanding form holding

Size (in.)	Spec	Box Qty.	Order No.	Price
7 x 1/2 x 1-1/4	32A46-GVBEP	10	**MH60070041204**	Price
7 x 1/2 x 1-1/4	32A46-HVBEP	10	**MH60070041205**	Price
8 x 1/2 x 1-1/4	32A46-GVBEP	10	**MH60080043882**	Price
8 x 1/2 x 1-1/4	32A46-HVBEP	10	**MH60080043883**	Price

5SG Porous Vitrified Wheels

Highest productivity and lowest total per-part grinding cost

Features:
- High-performance proprietary seeded gel ceramic aluminum oxide abrasive
- Self-sharpening abrasive
- High performance VSP bond
- Provide sharp edge on tools & dies

Benefits:
- Fast stock removal, cool superior cutting
- 3X - 5X more life than aluminum oxide wheels
- Double rough stock removal rate versus conventional abrasives
- Less burn, less dressing; most consistent performing wheel
- Versatile; exceptional form holding
- Longer life on tools and dies in production



Type 1 (No Recess)



Type 1 (Recess 1 Side)



Size (in.)	Spec	Type	Box Qty.	Order No.	Price
7 x 1/2 x 1-1/4	5SG46-GVSP	Type 1	10	**MH60070040522**	Price
8 x 1/2 x 1-1/4	5SG46-GVSP	Type 1	10	**MH60080043649**	Price
8 x 1/2 x 1-1/4	5SG46-IVSP	Type 1	10	**MH60080043650**	Price
12 x 1 x 3	5SG60-GVSP	Type 1	1	**MH60120062593**	Price
12 x 1 x 5	5SG46-GVSP	Type 1	1	**MH60120062594**	Price
12 x 1-1/2 x 5 (R/1 -- 7-1/2 x 1/2)	5SG46-GVSP	Type 5	1	**MH60120063127**	Price
12 x 1-1/2 x 5	5SG60-GVSP	Type 1	1	**MH60120062596**	Price
14 x 1 x 5	5SG46-GVSP	Type 1	1	**MH60140064108**	Price
14 x 1-1/2 x 5	5SG46-GVSP	Type 1	1	**MH60140064320**	Price

Pink Grain Surface Grinding Wheels

- Ideal for grinding medium and hard to grind high speed steels and cast alloy steels
- Sharper grain for fast, cool cutting action
- More friable than White Aluminum Oxide grain
- Excellent when rapid stock removal is a must





Size (in.) - 7 x 1/4 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	PA46-I8V	3760	**MG9058000**	Price
60	J	PA60-J8V	3760	**MG9058001**	Price
80	K	PA80-K8V	3760	**MG9058002**	Price
100	K	PA100-K8V	3760	**MG9058003**	Price

Size (in.) - 7 x 1/2 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	PA46-H8V	3760	**MG9058004**	Price
46	J	PA46-J8V	3760	**MG9058006**	Price
46	K	PA46-K8V	3760	**MG9058007**	Price
60	H	PA60-H8V	3760	**MG9058008**	Price
60	J	PA60-J8V	3760	**MG9058010**	Price
60	K	PA60-K8V	3760	**MG9058011**	Price
80	K	PA80-K8V	3760	**MG9058012**	Price

Size (in.) - 7 x 3/4 x 1-1/4 (R/1 -- 3 x 1/4)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	PA46-I8V	3600	**MG9058013**	Price
60	J	PA60-J8V	3600	**MG9058015**	Price

Size (in.) - 7 x 1 x 1-1/4 (R/1 -- 3 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	PA46-H8V	3760	**MG9058016**	Price
46	J	PA46-J8V	3760	**MG9058017**	Price
60	J	PA60-J8V	3760	**MG9058018**	Price

Size (in.) - 8 x 1/2 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	PA46-H8V	3600	**MG9058019**	Price
46	J	PA46-J8V	3600	**MG9058021**	Price
60	J	PA60-J8V	3600	**MG9058023**	Price
60	K	PA60-K8V	3600	**MG9058024**	Price
80	K	PA80-K8V	3600	**MG9058025**	Price

Size (in.) - 8 x 3/4 x 1-1/4 (R/1 -- 3 x 1/4)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	PA46-H8V	3600	**MG9058026**	Price

Size (in.) - 8 x 1 x 1-1/4 (R/1 -- 3 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	J	PA46-J8V	3600	**MG9058028**	Price
60	J	PA60-J8V	3600	**MG9058029**	Price

Size (in.) - 10 x 1 x 3					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	J	PA46-J8V	2674	**MG9058031**	Price
60	J	PA60-J8V	2674	**MG9058032**	Price

Size (in.) - 12 x 1 x 3					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	PA46-H8V	2228	**MG9058033**	Price
46	J	PA46-J8V	2228	**MG9058034**	Price

Size (in.) - 12 x 1 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	K	PA46-K8V	2228	**MG9058035**	Price
60	K	PA60-K8V	2228	**MG9058036**	Price

Size (in.) - 12 x 1-1/2 x 5 (R/1 -- 7-1/2 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	PA46-H8V	2228	**MG9058037**	Price
46	J	PA46-J8V	2228	**MG9058038**	Price

Size (in.) - 12 x 2 x 5 (R/2 -- 7-1/2 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	PA46-H8V	2228	**MG9058039**	Price
46	I	PA46-I8V	2228	**MG9058040**	Price

Size (in.) - 14 x 1 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	PA46-H8V	1910	**MG9058048**	Price
46	I	PA46-I8V	1910	**MG9058049**	Price
60	K	PA60-K8V	1910	**MG9058050**	Price

Size (in.) - 14 x 1-1/2 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	PA46-H8V	1910	**MG9058041**	Price
46	J	PA46-J8V	1910	**MG9058042**	Price

Size (in.) - 14 x 2 x 5 (R/1 -- 8 x 1)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	PA46-H8V	1910	**MG9058043**	Price
46	I	PA46-I8V	1910	**MG9058044**	Price
60	K	PA60-K8V	1910	**MG9058045**	Price

Size (in.) - 14 x 2 x 5 (R/2 -- 8 x 3/8)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	PA46-I8V	1910	**MG9058046**	Price
46	J	PA46-J8V	1910	**MG9058047**	Price

Ruby Surface Grinding Wheels

- Ideal for rough grinding of all tool steels including steel with high levels of chromium
- Engineered for long-lasting wheel form
- Good corner form holding characteristics





Size (in.) - 7 x 1/4 x 1-1/4						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
60	J	RA60-JV	3760	10	**MG9059025**	Price

Size (in.) - 7 x 1/2 x 1-1/4						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
46	H	RA46-HV	3760	10	**MG9034633**	Price
46	J/K	RA46-J/KV	3760	10	**MG9034634**	Price
60	J/K	RA60-J/K	3760	10	**MG9034635**	Price
80	K	RA80-KV	3760	10	**MG9059000**	Price

Size (in.) - 7 x 3/4 x 1-1/4 (R/1 -- 3 x 1/4)						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
46	J	RA46-JV	3760	10	**MG9059001**	Price
60	K	RA60-KV	3760	10	**MG9059002**	Price

Size (in.) - 7 x 1 x 1-1/4 (R/1 -- 3 x 1/2)						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
46	J	RA46-JV	3760	10	**MG9059003**	Price
60	K	RA60-KV	3760	10	**MG9059004**	Price

Size (in.) - 8 x 1/2 x 1-1/4						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
46	H	RA46-HV	3600	10	**MG9059005**	Price
46	J/K	RA46-J/KV	3600	10	**MG9059006**	Price
60	K	RA60-KV	3600	10	**MG9059007**	Price
80	K	RA80-KV	3600	10	**MG9059008**	Price

Size (in.) - 8 x 1 x 1-1/4 (R/1 -- 3 x 1/2)						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
46	H	RA46-HV	3600	10	**MG9059034**	Price
46	J/K	RA46-J/KV	3600	10	**MG9059010**	Price
60	J/K	RA60-J/KV	3600	10	**MG9059011**	Price

Size (in.) - 8 x 3/4 x 1-1/4 (R/1 -- 3 x 1/4)						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
46	H	RA46-HV	3600	10	**MG9059009**	Price
60	J	RA06-J/KV	3600	10	**MG9059033**	Price

Size (in.) - 10 x 1 x 3						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
46	J/K	RA46-J/KV	2630	5	**MG9059012**	Price

Size (in.) - 12 x 1 x 3						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
46	H	RA46-HV	2190	2	**MG9059013**	Price
46	J/K	RA46-J/KV	2190	2	**MG9059014**	Price

Size (in.) - 12 x 1 x 5						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
46	J	R46-J/KV	2190	2	**MG9059038**	Price
46	K	RA46-KV	2190	2	**MG9059015**	Price
60	K	RA60-KV	2190	2	**MG9059016**	Price

Size (in.) - 12 x 1-1/2 x 5 (R/1 -- 7-1/2 x 1/2)						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
46	J/K	RA46-J/KV	2190	2	**MG9059018**	Price
46	H	RA46-HV	2190	2	**MG9059017**	Price
60	J	RA60-J/KV	2190	2	**MG9059040**	Price

Size (in.) - 12 x 2 x 5 (R/2 -- 7-1/2 x 1/2)						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
46	H	RA46-H8V	2190	1	**MG9059019**	Price
46	J/K	RA46-J/KV	2190	1	**MG9059020**	Price
60	J	RA60-J/KV	2190	1	**MG9059041**	Price

Size (in.) - 14 x 1 x 5						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
46	I/J	RA46-I/JV	1880	2	**MG9059021**	Price

Size (in.) - 14 x 1-1/2 x 5						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
46	H	RA46-HV	1880	2	**MG9059022**	Price
46	J	RA46-J/KV	1880	2	**MG9059045**	Price

Size (in.) - 14 x 1-1/2 x 5 (R/1 -- 8 x 1/2)						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
46	H	RA46-HV	1880	2	**MG9059047**	Price
46	I/J	RA46-I/JV	1880	2	**MG9059023**	Price

Size (in.) - 14 x 2 x 5 (R/1 -- 8 x 1)						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price
46	H	RA46-HV	1880	1	**MG9059024**	Price

AZ Surface Grinding Wheels



- Made of premium blue bond aluminum oxide, ideal for grinding high speed steels over 55RC
- Features exceptionally fast and cool cutting characteristic suitable for grinding heat sensitive, heat alloy steels and mold steels. Can also be used on general tool steels
- The bond is designed to cut freely while pulling the heat away from the part and into the matrix of the wheel
- Requires minimum dressing and holds form well
- Great for 32A grinding wheel applications. Recommended 1 grade harder.



Size (in.) - 6 x 1/2 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
60	K	AZ60-K8V32A	4456	**MG9034301**	Price

Size (in.) - 7 x 1/4 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	AZ46-I8V32A	3600	**MG9034303**	Price
60	I	AZ60-I8V32A	3600	**MG9034308**	Price
60	J	AZ60-J8V32A	3600	**MG9034309**	Price
60	K	AZ60-K8V32A	3600	**MG9034310**	Price
80	J	AZ80-J8V32A	3600	**MG9034312**	Price
80	K	AZ80-K8V32A	3600	**MG9034313**	Price
100	K	AZ100-K8V32A	3600	**MG9034315**	Price
150	K	AZ150-K8V32A	3600	**MG9034317**	Price

Size (in.) - 7 x 1/2 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	AZ46-H128V32A	3600	**MG9034333**	Price
46	H	AZ46-H8V32A	3600	**MG9034318**	Price
46	I	AZ46-I8V32A	3600	**MG9034319**	Price
46	J	AZ46-J8V32A	3600	**MG9034320**	Price
46	K	AZ46-K8V32A	3600	**MG9034321**	Price
60	H	AZ60-H8V32A	3600	**MG9034323**	Price
60	I	AZ60-I8V32A	3600	**MG9034324**	Price
60	J	AZ60-J8V32A	3600	**MG9034325**	Price
60	K	AZ60-K8V32A	3600	**MG9034326**	Price
60	L	AZ60-L8V32A	3600	**MG9034327**	Price
80	H	AZ80-H8V32A	3600	**MG9034328**	Price
80	K	AZ80-K8V32A	3600	**MG9034329**	Price
100	K	AZ100-K8V32A	3600	**MG9034330**	Price
120	K	AZ120-K8V32A	3600	**MG9034331**	Price
150	K	AZ150-K8V32A	3600	**MG9034332**	Price

Size (in.) - 7 x 3/4 x 1-1/4 (R/1 -- 3 x 1/4)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	AZ46-H8V32A	3760	**MG9034335**	Price
46	I	AZ46-I8V32A	3760	**MG9034336**	Price
46	J	AZ46-J8V32A	3760	**MG9034337**	Price
46	K	AZ46-K8V32A	3760	**MG9034338**	Price
60	J	AZ60-J8V32A	3760	**MG9034341**	Price

Size (in.) - 7 x 1 x 1-1/4 (R/1 -- 3 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	AZ46-H8V32A	3760	**MG9034342**	Price
46	I	AZ46-I8V32A	3760	**MG9034343**	Price
46	J	AZ46-J8V32A	3760	**MG9034344**	Price
46	K	AZ46-K8V32A	3760	**MG9034345**	Price
60	J	AZ60-J8V32A	3760	**MG9034348**	Price
60	K	AZ60-K8V32A	3760	**MG9034349**	Price

Size (in.) - 8 x 1/2 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	AZ46-H8V32A	3600	**MG9034350**	Price
46	I	AZ46-I8V32A	3600	**MG9034351**	Price
46	J	AZ46-J8V32A	3600	**MG9034352**	Price
46	K	AZ46-K8V32A	3600	**MG9034353**	Price
60	H	AZ60-H8V32A	3600	**MG9034354**	Price
60	I	AZ60-I8V32A	3600	**MG9034355**	Price
60	J	AZ60-J8V32A	3600	**MG9034356**	Price
60	K	AZ60-K8V32A	3600	**MG9034357**	Price

Size (in.) - 8 x 1/2 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
80	K	AZ80-K8V32A	3600	**MG9034358**	Price

Size (in.) - 8 x 3/4 x 1-1/4 (R/1 -- 3 x 1/4)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	AZ46-H8V32A	3600	**MG9034359**	Price
46	J	AZ46-J8V32A	3600	**MG9034360**	Price
60	J	AZ60-J8V32A	3600	**MG9034364**	Price

Size (in.) - 8 x 1 x 1-1/4 (R/1 -- 3 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	AZ46-H8V32A	3600	**MG9034366**	Price
46	J	AZ46-J8V32A	3600	**MG9034367**	Price
60	J	AZ60-J8V32A	3600	**MG9034369**	Price

Size (in.) - 10 x 1 x 3					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	AZ46-I8V32A	2630	**MG9034390**	Price
46	J	AZ46-J8V32A	2630	**MG9034391**	Price
46	K	AZ46-K8V32A	2630	**MG9034392**	Price
60	J	AZ60-J8V32A	2630	**MG9034395**	Price
60	K	AZ60-K8V32A	2630	**MG9034396**	Price

Size (in.) - 12 x 1 x 3					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	AZ46-H8V32A	2190	**MG9034411**	Price
46	J	AZ46-J8V32A	2190	**MG9034413**	Price
46	K	AZ46-K8V32A	2190	**MG9034414**	Price
60	I	AZ60-I8V32A	2190	**MG9034416**	Price

Size (in.) - 12 x 1 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	J	AZ46-J8V32A	2190	**MG9034421**	Price
46	K	AZ46-K8V32A	2190	**MG9034422**	Price
60	J	AZ60-J8V32A	2190	**MG9034425**	Price
60	K	AZ60-K8V32A	2190	**MG9034426**	Price

Size (in.) - 12 x 1-1/2 x 5 (R/1 -- 7-1/2 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	AZ46-H8V32A	2190	**MG9034427**	Price
46	J	AZ46-J8V32A	2190	**MG9034429**	Price
46	K	AZ46-K8V32A	2190	**MG9034430**	Price
60	J	AZ60-J8V32A	2190	**MG9034433**	Price

Size (in.) - 12 x 2 x 3 (R/2 -- 6-1/2 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	AZ46-I8V32A	2190	**MG9034434**	Price

Size (in.) - 12 x 2 x 5 (R/2 -- 7-1/2 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	AZ46-I8V32A	2190	**MG9034437**	Price

Size (in.) - 14 x 1 x 3					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	AZ46-I8V32A	1880	**MG9034445**	Price

AZ Surface Grinding Wheels (cont.)

- Made of premium blue bond aluminum oxide, ideal for grinding high speed steels over 55RC
- Features exceptionally fast and cool cutting characteristic suitable for grinding heat sensitive, heat alloy steels and mold steels. Can also be used on general tool steels
- The bond is designed to cut freely while pulling the heat away from the part and into the matrix of the wheel
- Requires minimum dressing and holds form well
- Great for 32A grinding wheel applications. Recommended 1 grade harder.





Size (in.) - 14 x 1 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	AZ46-H8V32A	1880	**MG9034447**	Price
46	I	AZ46-I8V32A	1880	**MG9034448**	Price
46	J	AZ46-J8V32A	1880	**MG9034449**	Price
60	I	AZ60-I8V32A	1880	**MG9034452**	Price
60	K	AZ60-K8V32A	1880	**MG9034454**	Price

Size (in.) - 14 x 1-1/2 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	AZ46-H8V32A	1880	**MG9034456**	Price
46	J	AZ46-J8V32A	1880	**MG9034458**	Price
60	H	AZ60-H8V32A	1880	**MG9034460**	Price
60	J	AZ60-J8V32A	1880	**MG9034462**	Price

Size (in.) - 14 x 1-1/2 x 5 (R/1 -- 8 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	AZ46-H8V32A	1880	**MG9034464**	Price
46	I	AZ46-I8V32A	1880	**MG9034465**	Price
46	J	AZ46-J8V32A	1880	**MG9034466**	Price
60	I	AZ60-I8V32A	1880	**MG9034469**	Price
60	J	AZ60-J8V32A	1880	**MG9034470**	Price
60	K	AZ60-K8V32A	1880	**MG9034471**	Price

Size (in.) - 14 x 2 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	AZ46-H8V32A	1880	**MG9034472**	Price
46	I	AZ46-I8V32A	1880	**MG9034473**	Price
46	J	AZ46-J8V32A	1880	**MG9034474**	Price

Size (in.) - 14 x 2 x 5 (R/1 -- 8 x 1)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	AZ46-H8V32A	1880	**MG9034480**	Price
46	I	AZ46-I8V32A	1880	**MG9034481**	Price
46	J	AZ46-J8V32A	1880	**MG9034482**	Price
60	J	AZ60-J8V32A	1880	**MG9034486**	Price
60	K	AZ60-K8V32A	1880	**MG9034487**	Price

Size (in.) - 14 x 2 x 5 (R/2 -- 8 x 3/8)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	AZ46-I8V32A	1880	**MG9034488**	Price
46	J	AZ46-J8V32A	1880	**MG9034489**	Price
46	K	AZ46-K8V32A	1880	**MG9034490**	Price

Size (in.) - 16 x 1-1/2 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	H	AZ46-H8V32A	1640	**MG9034491**	Price
60	H	AZ60-H8V32A	1640	**MG9034500**	Price
60	J	AZ60-J8V32A	1640	**MG9034493**	Price

Size (in.) - 16 x 2 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	AZ46-I8V32A	1640	**MG9034495**	Price
46	J	AZ46-J8V32A	1640	**MG9034496**	Price
60	K	AZ60-K8V32A	1640	**MG9034497**	Price

Ruby Grain Porous Surface Grinding Wheels

- Ruby grain porous grinding wheels accelerate grinding processes and are engineered for medium to heavy stock removal and heat sensitive applications
- Strong, innovative bond for tough applications
- Ideal for rough grinding of all tool steels including steel with high levels of chromium



Wheel Size (in.)	Wheel Type	Recess (in.)	Spec	Stnd. Pkg.	RPM	Order No.	Price
7 x 1/2 x 1-1/4	Type 1	-	RA-46-H12-V Porous	10	3760	**MG9059081**	Price
7 x 1/2 x 1-1/4	Type 1	-	RA-60-H12-V Porous	10	3760	**MG9059082**	Price
8 x 1/2 x 1-1/4	Type 1	-	RA-46-H12-V Porous	10	3600	**MG9059084**	Price
8 x 1/2 x 1-1/4	Type 1	-	RA-60-H12-V Porous	10	3600	**MG9059085**	Price
10 x 1 x 1-1/4	Type 1	-	RA-46-H12-V Porous	5	2674	**MG9059091**	Price
12 x 1-1/2 x 5	Type 5	1/2	RA-46-H12-V Porous	2	2228	**MG9059086**	Price
14 x 1-1/2 x 5	Type 1	-	RA-46-H12-V Porous	2	1910	**MG9059087**	Price
14 x 1-1/2 x 5	Type 5	1/2	RA-46-H12-V Porous	2	1910	**MG9059088**	Price
14 x 2 x 5	Type 5	1	RA-46-H12-V Porous	1	1910	**MG9059089**	Price

Surface Grinding Wheels

Surface Grinding Wheels:
- High performance Ceramic Alumina Abrasive (SG)
- 30% Ceramic blend

Ceramic Wheels are:
- Ideal for difficult to grind steel
- Faster stock removal – cooler cutting
- Superior form holding
- Under pressure produces more fresh cutting points
- Dressing frequency reduced
- Improved productivity, lower grinding costs



Size (in.) - 7 x 1/4 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	J	Medalist 46-JVL	3600	**MG3762351**	Price
60	I	Medalist 60-IVL	3600	**MG3727241**	Price
60	J	Medalist 60-JVL	3600	**MG3727242**	Price
60	K	Medalist 60-KVL	3600	**MG3727243**	Price
80	J	Medalist 80-JVL	3600	**MG3727244**	Price
80	K	Medalist 80-KVL	3600	**MG3727245**	Price
100	K	Medalist 100-KVL	3600	**MG3727247**	Price

Size (in.) - 7 x 1/2 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	G	Medalist 46-GVLP	3600	**MG3727248**	Price
46	I	Medalist 46-IVL	3600	**MG3727250**	Price
46	I	Medalist 46-IVLP	3600	**MG3727249**	Price
46	J	Medalist 46-JVL	3600	**MG3727251**	Price
46	K	Medalist 46-KVL	3600	**MG3727252**	Price
60	G	Medalist 60-GVLP	3600	**MG3727253**	Price
60	I	Medalist 60-IVL	3600	**MG3727255**	Price
60	I	Medalist 60-IVLP	3600	**MG3727254**	Price
60	J	Medalist 60-JVL	3600	**MG3727256**	Price
60	K	Medalist 60-KVL	3600	**MG3727257**	Price
80	J	Medalist 80-JVL	3600	**MG3727260**	Price
80	K	Medalist 80-KVL	3600	**MG3727261**	Price

Size (in.) - 7 x 3/4 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	K	Medalist 46-KVL	3600	**MG3727262**	Price

Size (in.) - 7 x 1 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	J	Medalist 46-JVL	3600	**MG3727264**	Price

Size (in.) - 7 x 1 x 1-1/4 (R/1 -- 2-3/4 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	J	Medalist 46-JVL	3600	**MG3727300**	Price
60	J	Medalist 60-JVL	3600	**MG3727301**	Price
60	K	Medalist 60-KVL	3600	**MG3762370**	Price

Size (in.) - 8 x 1/2 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	G	Medalist 46-GVLP	3600	**MG3727267**	Price
46	I	Medalist 46-IVL	3600	**MG3727268**	Price
46	J	Medalist 46-JVL	3600	**MG3727269**	Price
46	K	Medalist 46-KVL	3600	**MG3727270**	Price
60	I	Medalist 60-IVL	3600	**MG3727271**	Price
60	J	Medalist 60-JVL	3600	**MG3727272**	Price
60	K	Medalist 60-KVL	3600	**MG3727273**	Price

Size (in.) - 8 x 3/4 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	Medalist 46-IVL	3600	**MG3727274**	Price
46	J	Medalist 46-JVL	3600	**MG3727275**	Price
46	K	Medalist 46-KVL	3600	**MG3727276**	Price

Size (in.) - 8 x 3/4 x 1-1/4					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
60	J	Medalist 60-JVL	3600	**MG3727277**	Price

Size (in.) - 10 x 1 x 3					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	Medalist 46-IVL	2485	**MG3727279**	Price
46	J	Medalist 46-JVL	2485	**MG3727280**	Price
60	J	Medalist 60-JVL	2485	**MG3727282**	Price

Size (in.) - 12 x 1 x 3					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	Medalist 46-IVL	2070	**MG3727283**	Price
46	J	Medalist 46-JVL	2070	**MG3727284**	Price

Size (in.) - 12 x 1 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	J	Medalist 46-JVL	2070	**MG3727287**	Price
60	J	Medalist 60-JVL	2070	**MG3727290**	Price

Size (in.) - 14 x 1 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	J	Medalist 46-JVL	1800	**MG3727292**	Price
60	J	Medalist 60-JVL	1800	**MG3727293**	Price

Size (in.) - 14 x 1-1/2 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	I	Medalist 46-IVL	1800	**MG3727295**	Price
46	J	Medalist 46-JVL	1800	**MG3727296**	Price
60	I	Medalist 60-IVL	1800	**MG3762346**	Price
60	J	Medalist 60-JVL	1800	**MG3727298**	Price

Size (in.) - 14 x 1-1/2 x 5 (R/1 -- 8 x 1/2)					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	J	Medalist 46-JVL	1800	**MG3762367**	Price

Size (in.) - 14 x 2 x 5					
Grit	Hardness	Spec	Max. RPM	Order No.	Price
46	J	Medalist 46-JVL	1800	**MG3762348**	Price
60	J	Medalist 60-JVL	1800	**MG3762349**	Price

5SG Vitrified Grinding Wheels



Norton 5SG - Highest productivity and lowest total per-part grinding cost

Features:
- High-performance proprietary seeded gel ceramic aluminum oxide abrasive
- Self-sharpening abrasive
- High performance VS bond
- Provide sharp edge on tools & dies

Benefits:
- Fast stock removal, cool superior cutting
- 3x-5x more life than aluminum oxide wheels
- Double rough stock removal rate versus conventional abrasives
- Less burn, less dressing, most consistent performing wheel
- Versatile exceptional form holding
- Longer life on tools and dies in production

Maximum Operating Speeds:
- Stock NorPor VP2 wheels = 3600 RPMs
- All other 46 grit, J grade and harder = 3600 RPMs
- All other 54 grit, I grade and harder = 3600 RPMs
- All other 60 grit and finer, H grade and harder = 3600 RPMs
- All other specifications = 3105 RPMs
- *It is the user's responsibility to refer to and comply with ANSI B7.1

8" Type 01 and Type 05 Vitrified Toolroom Wheels'



Type 1 (No Recess)



Type 5 (Recess Inside)

Size (in.) - 7 x 1/4 x 1-1/4						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
10	100	J	5SG-100JVS	3600	**MH60070039467**	Price
10	100	K	5SG-100KVS	3600	**MH60070039468**	Price
10	46	I	5SG46-IVS	3600	**MH60070040207**	Price
10	60	I	5SG60-1VS	3600	**MH60070039459**	Price
10	60	J	5SG60-JVS	3600	**MH60070039460**	Price
10	60	K	5SG60-KVS	3600	**MH60070039461**	Price
10	80	I	5SG80-IVS	3600	**MH60070039462**	Price
10	80	J	5SG-80JVS	3600	**MH60070039463**	Price
10	80	K	5SG-80KVS	3600	**MH60070039464**	Price
10	80	L	5SG-80LVS	3600	**MH60070039465**	Price

Size (in.) - 7 x 1/2 x 1-1/4						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
10	100	J	5SG100-JVS	3600	**MH60070040204**	Price
10	100	K	5SG100-KVS	3600	**MH60070040205**	Price
10	46	I	5SG46-IVS	3600	**MH60070040193**	Price
10	46	J	5SG46-JVS	3600	**MH60070040194**	Price
10	46	K	5SG46-KVS	3600	**MH60070040195**	Price
10	60	I	5SG60-IVS	3600	**MH60070040196**	Price
10	60	J	5SG60-JVS	3600	**MH60070040197**	Price
10	60	K	5SG60-KVS	3600	**MH60070040198**	Price
10	60	L	5SG60-LVS	3600	**MH60070040199**	Price
10	80	I	5SG80-IVS	3600	**MH60070040200**	Price
10	80	J	5SG80-JVS	3600	**MH60070040201**	Price
10	80	K	5SG80-KVS	3600	**MH60070040202**	Price
10	80	L	5SG80-LVS	3600	**MH60070040203**	Price

Size (in.) - 7 x 3/4 x 1-1/4						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
10	46	I	5SG46-IVS	3600	**MH60070042304**	Price
10	46	K	5SG46-KVS	3600	**MH60070042305**	Price
10	60	J	5SG60-JVS	3600	**MH60070042307**	Price
10	60	K	5SG60-KVS	3600	**MH60070042308**	Price

Size (in.) - 7 x 3/4 x 1-1/4 (R/1 -- 2-3/4 x 1/4)						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
10	46	I	5SG46-IVS	1800	**MH60070041976**	Price

Size (in.) - 7 x 1 x 1-1/4						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
10	60	J	5SG60-JVS	3600	**MH60070042429**	Price
10	60	K	5SG60-KVS	3600	**MH60070042430**	Price

Size (in.) - 8 x 1/4 x 1-1/4						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
10	60	K	5SG60-KVS	3105	**MH60080043351**	Price
10	60	L	5SG60-LVS	3600	**MH60080043352**	Price
10	80	K	5SG80-KVS	3600	**MH60080043353**	Price

Size (in.) - 8 x 1/2 x 1-1/4						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
10	46	I	5SG46-IVS	3105	**MH60080044089**	Price
10	46	J	5SG46-JVS	3600	**MH60080044090**	Price
10	46	K	5SG46-KVS	3600	**MH60080044091**	Price
10	60	I	5SG60-IVS	3105	**MH60080044092**	Price
10	60	J	5SG60-JVS	3600	**MH60080044093**	Price
10	60	K	5SG60-KVS	3600	**MH60080044094**	Price
10	80	J	5SG80-JVS	3600	**MH60080044096**	Price
10	80	K	5SG80-KVS	3600	**MH60080044097**	Price

Size (in.) - 8 x 3/4 x 1-1/4						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
10	46	I	5SG46-IVS	3105	**MH60080044098**	Price
10	46	J	5SGS6-JVS	3600	**MH60080044099**	Price
10	60	I	5SG60-IVS	3600	**MH60080044101**	Price
10	60	J	5SG60-JVS	3600	**MH60080044102**	Price
10	60	K	5SG60-KVS	3600	**MH60080044103**	Price

Size (in.) - 8 x 1 x 1-1/4						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
10	46	K	5SG46-KVS	3600	**MH60080002588**	Price

Size (in.) - 8 x 1 x 1-1/4 (R/1 -- 3-1/4 x 1/2)						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
10	46	I	5SG46-IVS	3600	**MH60080013543**	Price
10	46	J	5SG46-JVS	3600	**MH60080003301**	Price

Size (in.) - 10 x 1 x 3						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
10	46	I	5SG46-IVS	2485	**MH60100060400**	Price
10	46	J	5SG46-JVS	2485	**MH60100060401**	Price
10	46	K	5SG46-KVS	2485	**MH60100060402**	Price
10	60	I	5SG60-IVS	2485	**MH60100060403**	Price
10	60	K	5SG60-KVS	2485	**MH60100060405**	Price

Size (in.) - 12 x 1 x 3						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
1	46	I	5SG46-IVS	2070	**MH60120062500**	Price
1	46	J	5SG46-JVS	2070	**MH60120062501**	Price
1	46	K	5SG46-KVS	2070	**MH60120062502**	Price
1	60	I	5SG60-IVS	2070	**MH60120062503**	Price
1	60	J	5SG60-JVS	2070	**MH60120062504**	Price
1	60	K	5SG60-KVS	2070	**MH60120062505**	Price

Size (in.) - 12 x 3/4 x 3						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
1	46	I	5SG46-IVS	2070	**MH60120062204**	Price

Size (in.) - 12 x 1 x 5						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
1	46	I	5SG46-IVS	2070	**MH60120062508**	Price
1	46	J	5SG46-JVS	2070	**MH60120062509**	Price
1	46	K	5SG46-KVS	2070	**MH60120062510**	Price

Size (in.) - 12 x 1-1/2 x 5						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
1	46	I	5SG46-IVS	2070	**MH60120002842**	Price

Size (in.) - 14 x 1 x 3						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
1	46	I	5SG46-1VS	1800	**MH60140063960**	Price

Size (in.) - 14 x 1 x 5						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
1	46	I	5SG46-1VS	1800	**MH60140063970**	Price
1	60	I	5SG60-IVS	1800	**MH60140063974**	Price
1	60	J	5SG60-JVS	1800	**MH60140063975**	Price
1	60	K	5SG60-KVS	1800	**MH60140063976**	Price

Size (in.) - 14 x 1-1/2 x 5						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
1	46	I	5SG46-IVS	1800	**MH60140064097**	Price
1	46	J	5SG46-JVS	1800	**MH60140064098**	Price
1	60	I	5SG60-IVS	1800	**MH60140064100**	Price
1	60	J	5SG60-JVS	1800	**MH60140064101**	Price

Size (in.) - 14 x 1-1/2 x 5 (R/1 -- 8 x 1/2)						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
1	46	J	5SG46-JVS	3600	**MH60140064103**	Price

Size (in.) - 14 x 2 x 5						
Box Qty.	Grit	Hardness	Spec	Max RPM	Order No.	Price Ea.
1	60	J	5SG60-JVS	1800	**MH60140064414**	Price

AS3 Ceramic Surface Grinding Wheels

- Ceramic grain is recommended for heavy stock removal
- Friable grain for cooler cutting action
- Engineered to continually fracture to produce sharp new grinding points





Size (in.) - 7 x 1/4 x 1-1/4						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price Ea.
60	K	AS3-60-KVCER	3760	10	**MG9034206**	Price
80	K	AS3-80-KVCER	3760	10	**MG9034207**	Price

Size (in.) - 7 x 1/2 x 1-1/4						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price Ea.
46	H	AS3-46-H-VCER	3760	10	**MG9034208**	Price
46	I	AS3-46-I-VCER	3760	10	**MG9034210**	Price
46	J	AS3-46-J-VCER	3760	10	**MG9034209**	Price
60	J	AS3-60-J-VCER	3760	10	**MG9034212**	Price
60	K	AS3-60-K-VCER	3760	10	**MG9034213**	Price
80	K	AS3-80-KVCER	3760	10	**MG9037768**	Price

Size (in.) - 8 x 1/4 x 1-1/4						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price Ea.
60	J	AS3-60-JVCER	3600	10	**MG9034114**	Price

Size (in.) - 8 x 1/2 x 1-1/4						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price Ea.
46	J	AS3-46-J-VCER	3600	10	**MG9037771**	Price
46	K	AS3-46-KVCER	3600	10	**MG9034214**	Price
60	J	AS3-60-JVCER	3600	10	**MG9034215**	Price

Size (in.) - 10 x 1 x 3						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price Ea.
46	J	AS3-46-J-VCER	2630	5	**MG9037773**	Price
46	K	AS3-46-KVCER	2630	5	**MG9034217**	Price

Size (in.) - 12 x 1 x 3						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price Ea.
46	H	AS46H-VCER	2190	2	**MG9034219**	Price
46	J	AS3-46-JVCER	2190	2	**MG9034220**	Price
60	I	AS3-60-IVCER	2190	2	**MG9034221**	Price

Size (in.) - 12 x 1 x 5						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price Ea.
46	H	AS3-46-HVCER	2190	2	**MG9034222**	Price
46	J	AS3-46-J-VCER	2190	2	**MG9034223**	Price

Size (in.) - 12 x 1-1/2 x 5 (R/1 -- 7-1/2 x 1/2)						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price Ea.
46	H	AS3-46-HVCER	2190	2	**MG9034225**	Price
46	J	AS3-46-JVCER	2190	2	**MG9034226**	Price
60	J	AS3-60-J-VCER	2190	2	**MG9034227**	Price

Size (in.) - 14 x 1 x 5						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price Ea.
46	H	AS3-46-HVCER	1880	2	**MG9034230**	Price
46	J	AS3-46-JVCER	1880	2	**MG9034232**	Price

Size (in.) - 14 x 1-1/2 x 5						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price Ea.
46	H	AS3-46-HVCER	1880	1	**MG9034238**	Price
46	J	AS3-46-JVCER	1880	1	**MG9034239**	Price
60	I	AS3-60-IVCER	1880	1	**MG9034240**	Price

Size (in.) - 14 x 1-1/2 x 5 (R/1 -- 8 x 1/2)						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price Ea.
46	I	AS3-46-IVCER	1880	2	**MG9034235**	Price
46	J	AS3-46-J-VCER	1880	2	**MG9037782**	Price
60	J	AS3-60-J-VCER	1880	2	**MG9037783**	Price

Size (in.) - 14 x 2 x 5 (R/1 -- 8 x 1)						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price Ea.
46	H	AS3-46-HVCER	1880	1	**MG9034241**	Price
60	J	AS3-60-J-VCER	1880	1	**MG9034116**	Price

Size (in.) - 14 x 1 x 3						
Grit	Hardness	Spec	Max RPM	Box Qty.	Order No.	Price Ea.
46	H	AS3-46-HVCER	2190	2	**MG9037779**	Price
46	J	AS3-46-J-VCER	1880	2	**MG9034115**	Price
60	J	AS3-60-JVCER	1880	2	**MG9037780**	Price

Individual Grinding Wheel Reducer Bushings

For use with Aluminum Oxide and Silicon Carbide Bench Grinding Wheels
Two types available:

- TB2 — Telescopic Bushing 1” OD with 3/4’, 5/8” & 1/2” ID.
- PB Type Snap-in on each side of wheel (2 pieces needed, sold each)
- Reducer Bushings are provided at no charge when requested with grinding wheels — one set per wheel.



Size (in.)	Order No.	Price
1 OD to 3/4, 5/8 & 1/2 ID	**MG67TB2**	Price
1-1/4 OD to 1/2 ID	**MG67PB3**	Price
1-1/4 OD to 5/8 ID	**MG67PB4**	Price
1-1/4 OD to 3/4 ID	**MG67PB5**	Price
1-1/4 OD to 7/8 ID	**MG67PB6**	Price
1-1/4 OD to 1 ID	**MG67PB7**	Price
1-1/2 OD to 1-1/4 ID	**MG67PB8**	Price

Resin Bond Snagging Wheels

- Available in straight, cup, and burr bench
- For smoothing weld seams, cleaning castings and surface preparation
- 10% Discount for Std. Pkg. Qty.

Charger Features:
- Fully reinforced
- 4NZ Norzon abrasive has 3 times the life of aluminum oxide wheels

Gemini Features:
- Fully reinforced
- 37C Silicon carbide for non-steel applications
- 57A Aluminum oxide for steel and alloys
- 57AC Aluminum oxide / silicon carbide blend for steel parts with scale or burnt-in sand



Style - Type 11 Flaring Cup					
Size (in.)	Specifications	RPM	Stnd. Pkg.	Order No.	Price Ea.
4/3 x 2 x 5/8-11	Bluefire 4NZ16-Q	9070	10	**MH60040098583**	Price
6/4-3/4 x 2 x 5/8-11	Bluefire 14K	6000	5	**MH60060044371**	Price
6/4-3/4 x 2 x 5/8-11	Gemini 37C16-P	6000	5	**MH60060009609**	Price
6/4-3/4 x 2 x 5/8-11	Gemini 57A16-Q	6000	6	**MH60060025201**	Price
6/4-3/4 x 2 x 5/8-11	Gemini 57AC16-Q	6000	5	**MH60060009608**	Price

Style - Type 11 Flaring Cup with Steel Back					
Size (in.)	Specifications	RPM	Stnd. Pkg.	Order No.	Price Ea.
6/4-13/16 x 2 x 5/8-11	Gemini 57A16-Q	6000	5	**MH60060009599**	Price
6/4-13/16 x 2 x 5/8-11	Gemini 57AC16-Q	6000	5	**MH60060009600**	Price

Style - Type 11 Snagging Cup Wheel					
Size (in.)	Specifications	RPM	Stnd. Pkg.	Order No.	Price Ea.
4/3 x 2 x 5/8-11 Rim 3/4" Back 3/4" (ME48976)	Gemini 57A16-Q	9070	10	**MH60040010512**	Price
5/3 - 3/4 x 2 x 5/8-11 Rim 1" Back 3/4" (ME49857)	Gemini 57A16-Q	7260	10	**MH60050009598**	Price
6/4-3/4 x 2 x 5/8-11 Rim 1-1/2" Back 3/4" (ME24180)	Gemini 57A16-Q	6000	10	**MH60060009618**	Price

Wheels for Tool Post Grinders

- Aluminum oxide resinoid bond
- Tough and durable, yet cool cutting
- High strength and long life
- Ideal for grinding steel on high speed tool post grinders and universal attachments and cylindrical grinders



Size (in.)	Marking	Order No.	Price
2 x 3/8 x .375	A46-PB	**MG470047**	Price
3 x 3/8 x .375	A46-PB	**MG470073**	Price
3 x 1/2 x .375	A46-PB	**MG470078**	Price
2 x 1/2 x .375	A45-PB	**MG470050**	Price
3 x 1/2 x .500	A46-PB	**MG470213**	Price

Heavy Duty Snagging Grinding Wheels

- Ideal for heavy stock removal
- Ideal for smoothing weld seams and castings
- Cleaning metal surfaces
- Premium aluminum oxide abrasive
- Resinoid bond for heavy duty snagging
- Straight wheels (Type 1)
- Flaring cups (Type 11)



Type	Size (in.)	Marking	Order No.	Price
1	6 x 1 x 5/8	A16PB5	**MG420610**	Price
11	4/3 x 2 x 5/8-11	A16PB5	**MG420430**	Price
11	5/3-3/4 x 2 x 5/8-11	A24PB5	**MG420540**	Price
11	6/4-3/4 x 2 x 5/8-11	A16QB5	**MG420640**	Price

Resin Cup Wheels

Codes:
- A: Aluminum Oxide
- CA: Aluminum Oxide/Silicon Carbide Mix
- C: Silicon Carbide





Feature - No Steel Back			
Size (in.)	Spec.	Order No.	Price
4/3 x 2 x 5/8-11	A16-Q6-B	**MG9049000**	Price
4/3 x 2 x 5/8-11	C16-N-B	**MG9049002**	Price
5/4 x 2 x 5/8-11	A16-Q6-B	**MG9049004**	Price
5/4 x 2 x 5/8-11	A24-Q6-B	**MG9049005**	Price
6/4-3/4 x 2 x 5/8-11	A16-Q6-B	**MG9035900**	Price
6/4-3/4 x 2 x 5/8-11	C16-N-B	**MG9035901**	Price
6/4-3/4 x 2 x 5/8-11	A16-Q6-B	**MG9049008**	Price
6/4-3/4 x 2 x 5/8-11	CA16-Q6-B	**MG9049014**	Price

Feature - Steel Back			
Size (in.)	Spec.	Order No.	Price
6/4-3/4 x 2 x 5/8-11	A16-Q6-B	**MG9049009**	Price
6/4-3/4 x 2 x 5/8-11	CA16-Q6-B	**MG9049015**	Price

Resin Bond Snagging Wheels

Type 1 Burr Bench Wheels



Size (in.)	Specification	RPM	Stnd. Pkg.	Order No.	Price Ea.
4 x 1/4 x 3/8	Charger 4NZ20-TBRA	15280	10	**MH60040044098**	Price
3 x 1/4 x 3/8	Charger 57A24-TBRA	20370	10	**MH60030028831**	Price
4 x 1/4 x 3/8	Charger 57A24-RBRA	12999	10	**MH60040022221**	Price

Resin Cones and Plugs

- Aluminum oxide grain for grinding and finishing metals in hard to reach areas
- Carton Qty: 10



Type - Resin Cone				
Size (in.)	Style	Spec.	Order No.	Price
1-1/2 x 2-1/2 x 3/8-24	T16	A16R	**MG9049016**	Price
1-1/2 x 2-1/2 x 5/8-11	T16	A16R	**MG9049017**	Price
1-1/2 x 2-1/2 x 3/8-24	T17	A16R	**MG9049024**	Price
1-1/2 x 3 x 3/8-24	T16	A16R	**MG9049018**	Price
1-1/2 x 3 x 3/8-24	T17	A16R	**MG9049026**	Price
1-1/2 x 3 x 5/8-11	T16	A16R	**MG9049019**	Price
1-1/2 x 3 x 5/8-11	T17	A16R	**MG9049027**	Price
2 x 3 x 5/8-11	T16	A16R	**MG9049021**	Price
2 x 3 x 5/8-11	T16	A24R	**MG9036238**	Price
2 x 3 x 5/8-11	T17	A16R	**MG9049028**	Price
2-1/2 x 3 x 5/8-11	T17	A16R	**MG9049029**	Price
2-3/4 x 3-1/2 x 5/8-11	T16	A16R	**MG9049022**	Price
3 x 3 x 5/8-11	T16	A16R	**MG9049023**	Price

Type - Resin Plug				
Size (in.)	Style	Spec.	Order No.	Price
1-1/2 x 2-1/2 x 3/8-24	18R	A16R	**MG9049037**	Price
1-1/2 x 2-1/2 x 3/8-24	T18	A16R	**MG9049030**	Price
1-1/2 x 2-1/2 x 5/8-11	18R	A16R	**MG9049038**	Price
1-1/2 x 2-1/2 x 5/8-11	T18	A16R	**MG9049031**	Price
1-1/2 x 3 x 3/8-24	18R	A16R	**MG9049039**	Price
1-1/2 x 3 x 3/8-24	T18	A16R	**MG9049032**	Price
1-1/2 x 3 x 5/8-11	18R	A16R	**MG9049040**	Price
1-1/2 x 3 x 5/8-11	T18	A16R	**MG9049033**	Price
2 x 3 x 5/8-11	18R	A16R	**MG9049042**	Price
2 x 3 x 5/8-11	18R	A24R	**MG9036240**	Price
2 x 3 x 5/8-11	T18	A16R	**MG9049035**	Price
2 x 3 x 5/8-11	T18	A24R	**MG9036239**	Price
2 x 3-1/2 x 5/8-11	T18	A16R	**MG9049036**	Price
3 x 3 x 5/8-11	18R	A16R	**MG9049043**	Price

Type 11 Flaring Cup Tool Room Wheels

- Save 10% on Box Quantity of Same Order No.





Size (in.)	Recess	Face Z	Specifications	Box Qty.	Order No.	Price Ea.
6"/4"-13/16 x 2 x 5/8-11	Rim 1-1/2 - Back 3/4	ME71438	4NZ16-QBX406	10	**MH60060098586**	Price
6"/4"-3/4 x 2 x 5/8-11	Rim 1-1/2 - Back 3/4	ME24180	NZC16-QBX406	10	**MH60060046922**	Price
3-1/2"/2-3/4" x 1-1/2 x 1	Rim 1/4 - Back 3/8	ME24327	32A60-KVBE	10	**MH60030029358**	Price
3"/2-1/4" x 1-1/4 x 3/4	Rim 1/4 - Back 3/8	ME21560	32A60-KVBE	10	**MH60030029187**	Price
4"/3" x 1-1/2 x 1-1/4	Rim 1/4 - Back 1/2	ME19237	32A46-KVBE	10	**MH60040030246**	Price
4"/3" x 1-1/2 x 1-1/4	Rim 1/4 - Back 1/2	ME19237	32A60-JVBE	10	**MH60040030256**	Price
4"/3" x 1-1/2 x 1-1/4	Rim 1/4 - Back 1/2	ME19237	32A60-KVBE	10	**MH60040030361**	Price
4"/3" x 1-1/2 x 1-1/4	Rim 1/4 - Back 1/2	ME19237	32A80-KVBE	10	**MH60040030368**	Price
5"/3-3/4" x 1-3/4 x 1-1/4	Rim 1/4 - Back 1/2	ME19241	32A46-JVBE	10	**MH60050030858**	Price
5"/3-3/4" x 1-3/4 x 1-1/4	Rim 1/4 - Back 1/2	ME19241	32A46-KVBE	10	**MH60050030859**	Price
5"/3-3/4" x 1-3/4 x 1-1/4	Rim 1/4 - Back 1/2	ME19241	32A60-KVBE	10	**MH60050030964**	Price
6"/4-1/2" x 2 x 1-1/4	Rim 3/8 - Back 1/2	ME19241	32A60-J5VBE	10	**MH60060038492**	Price

White Aluminum Oxide Tool Room Type 11 Flair Cup Wheels

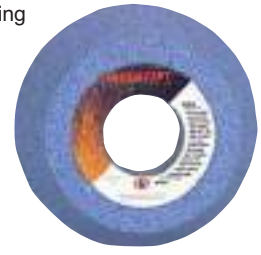
- AA Abrasive (White Aluminum Oxide) is ideal for grinding heat sensitive steels, as well as easy and medium to grind high speed steels
- Carton Qty: 5 Pcs.



Size	Grit	Hardness	Specification (Marking)	Max. RPM	Order No.	Price
4/3	60	K	AA60 K V40	5730	**MG3709788**	Price
5/3-3/4	60	J	AA60 J V40	4585	**MG3709783**	Price
5/3-3/4	60	K	AA60 K V40	4585	**MG3709782**	Price

Ceramic Alumina Tool Room Cup & Sauce Shape Wheels

- Faster stock removal — Cooler cutting action
- Extended wheel life — Requires less dressing
- Good for easy to difficult to grind steels
- Blue
- Carton Qty: 5 Pcs.





Size (in.) - 4"/3" x 1-1/2 x 1-1/4						
Grit	Hardness	Specification (Marking)	Type	Max. RPM	Order No.	Price
46	J	46 J VL	Type 11	5730	**MG3727302**	Price
60	J	60 J VL	Type 11	5730	**MG3727303**	Price

Size (in.) - 5"/3-3/4" x 1-3/4 x 1-1/4						
Grit	Hardness	Specification (Marking)	Type	Max. RPM	Order No.	Price
46	J	46 J VL	Type 11	4585	**MG3727305**	Price
60	K	60 K VL	Type 11	4585	**MG3727306**	Price

Size (in.) - 6 x 1/2 x 1-1/4						
Grit	Hardness	Specification (Marking)	Type	Max. RPM	Order No.	Price
46	J	46 J VL	Type 12	4140	**MG3727308**	Price

Tool Room Cup & Saucer Shape Wheels

- Exceptionally cool, fast cutting action
- Excellent resistance to point wear
- Most versatile aluminum oxide precision grinding wheel
- Gray / purple
- Carton Qty: 5 Pcs.





Size (in.) - 4"/3" x 1-1/2 x 1-1/4						
Grit	Hardness	Specification (Marking)	Type	Max. RPM	Order No.	Price
46	K	32AR46 K V40	Type 11	5730	**MG3727679**	Price
60	J	32AR60 J V40	Type 11	5730	**MG3727680**	Price
60	K	32AR60 K V40	Type 11	5730	**MG3727681**	Price

Size (in.) - 5 x 1-1/2 x 1-1/4						
Grit	Hardness	Specification (Marking)	Type	Max. RPM	Order No.	Price
46	K	32AR46 K V40	Type 6	4585	**MG3762288**	Price
60	K	32AR60 K V40	Type 6	4585	**MG3727705**	Price

Size (in.) - 5"/3-3/4" x 1-3/4 x 1-1/4						
Grit	Hardness	Specification (Marking)	Type	Max. RPM	Order No.	Price
46	K	32AR46 K V40	Type 11	4585	**MG3727684**	Price
60	J	32AR60 J V40	Type 11	4585	**MG3727685**	Price
60	K	32AR60 K V40	Type 11	4585	**MG3727683**	Price

AS3 Ceramic Cup Wheels

- AS3 Ceramic aluminum oxide grain for cooler cuts and maximum performance on harder surfaces
- Excels at grinding on 50 Rockwell C and harder
- Continually fractures to produce sharp new grinding points



Size (in.)	Spec	Order No.	Price
4 x 1-1/2 x 1-1/4	AS3-46-I-VCER	**MG9034200**	Price
4 x 1-1/2 x 1-1/4	AS3-60-K-VCER	**MG9034201**	Price
5 x 1-3/4 x 1-1/4	AS3-46-I-VCER	**MG9034203**	Price
5 x 1-3/4 x 1-1/4	AS3-60-K-VCER	**MG9034204**	Price

Type 2 Metal Back Direct Mount Grinding Wheels



Use Codes:
- D (Drills)
- HST (High Speed Tools)
- CR (Carbide Roughing)
- CM (Carbide Medium)
- CF (Carbide Finish)
- Machine Type (MT)
- B (Baldor)
- H (Hamond)
- S (Sellers)

Size (in.)	Specification (Markings)	Additional Information	Use	MT	Order No.	Price
6 x 1 x 4	39C60-I8VK	Rim 1", Plate A47466	CR	B,H	**MH60060038322**	Price
6 x 1 x 4	39C80-I9VK	Rim 1", Plate A47466	CM	B,H	**MH60060038327**	Price
6 x 1 x 4	39C100-18VK	Rim 1", Plate A47466	CM	B,H	**MH60060038330**	Price
6 x 1 x 4	39C120-I8VK	Rim 1", Plate A47466	CF	B,H	**MH60060038193**	Price
7 x 1-1/2 x 5	39C60-I8VK	Rim 1", Plate A39027	CR	H	**MH60070042848**	Price
10 x 2 x 7	39C60-JVK	Rim 1", Plate A83831	D	S	**MH60100061678**	Price
10 x 2 x 7-1/2	32A54-JVG	Rim 1", Plate A110170	D	S	**MH60100061687**	Price
14 x 4 x 11	38A46-KVBE	Rim 1-1/2", Plate A52814, Tape Wound	HST	H	**MH60140064652**	Price

Metal Back/Direct Mount Grinding Wheels

- For direct mounting to grinders for drill pointing, carbide sharpening/roughing and general purpose finishing



Use Codes:
- D (Drills)
- CR (Carbide Roughing)
- CF (Carbide Finish)
- Machine Type (MT):
- B (Baldor)
- H (Hammond)
- O (Oliver)

Size (in.)	Center Plate Hole	Specification	Use	MT	Order No.	Price
6 x 1 x 4	1-1/4	GC120-IV	CF	B,H	**MG3709564**	Price
6 x 1 x 4	1-1/4	GC60IVGC	CR	B,H	**MG3709566**	Price
9 x 2 x 5	2	32AR70-JV40	D	O	**MG3762315**	Price
9 x 2 x 5	2	AA70-JV40	D	O	**MG3703517**	Price

Metal Back/Direct Mount Grinding Wheels



- WA — For grinding high speed steel
- GC — For grinding carbide
- Center plate hole 1-1/4″, 4 holes on 3-1/4″ bolt circle

Size (in.)	Spec	Order No.	Price
6 x 1 x 4	GC60 I V	**MG9034949**	Price
6 x 1 x 4	GC80 I V	**MG9034950**	Price
6 x 1 x 4	GC100 I V	**MG9034951**	Price
6 x 1 x 4	GC120 I V	**MG9034952**	Price
6 x 1 x 4	WA46 K V	**MG9034948**	Price

White Aluminum Oxide Tool Room Cup Wheels



- Fast, cool cutting action
- Ideal for light grinding on tool and die steels
- Carton Qty: 10 Pcs.

Size (in.) - 4"/3" x 1-1/2 x 1-1/4						
Grit	Hardness	Specification	Type	Max. RPM	Order No.	Price
46	J	WA46-JV	Type 11	6685	**MG9034903**	Price
46	K	WA46-KV	Type 11	6685	**MG9034904**	Price
60	J	WA60-JV	Type 11	6685	**MG9034907**	Price
60	K	WA60-KV	Type 11	6685	**MG9034908**	Price
80	K	WA80-KV	Type 11	6685	**MG9034909**	Price

Size (in.) - 5 x 1-1/2 x 1-1/4						
Grit	Hardness	Specification	Type	Max. RPM	Order No.	Price
46	J	WA46-JV	Type 6	5348	**MG9034929**	Price
46	K	WA46-KV	Type 6	5348	**MG9034930**	Price
60	J	WA60-JV	Type 6	5348	**MG9034933**	Price

Size (in.) - 5"/3-3/4" x 1-3/4 x 1-1/4						
Grit	Hardness	Specification	Type	Max. RPM	Order No.	Price
46	H	WA46-HV	Type 11	5348	**MG9034914**	Price
46	I	WA46-IV	Type 11	5348	**MG9034915**	Price
46	J	WA46-JV	Type 11	5348	**MG9034916**	Price
46	K	WA46-KV	Type 11	5348	**MG9034917**	Price
60	I	WA60-IV	Type 11	5348	**MG9034919**	Price
60	J	WA60-JV	Type 11	5348	**MG9034920**	Price
60	K	WA60-KV	Type 11	5348	**MG9034921**	Price
80	K	WA80-KV	Type 11	5348	**MG9034923**	Price

Pink Grain Tool Room Cup Wheels



- Ideal for grinding medium and hard to grind high speed steels and cast alloy steels
- Sharper grain for fast, cool cutting action
- More friable than White Aluminum Oxide grain
- Excellent when rapid stock removal is a must
- Carton Qty: 10 Pcs.

Size (in.) - 4"/3" x 1-1/2 x 1-1/4						
Grit	Hardness	Specification	Type	Max. RPM	Order No.	Price
46	K	PA46-KV	Type 11	6685	**MG9058054**	Price
60	I	PA60-IV	Type 11	6685	**MG9058055**	Price
60	K	PA60-KV	Type 11	6685	**MG9058056**	Price
80	K	PA80-KV	Type 11	6685	**MG9058057**	Price

Size (in.) - 5"/3-3/4" x 1-3/4 x 1-1/4						
Grit	Hardness	Specification	Type	Max. RPM	Order No.	Price
46	I	PA46-I8V32A	Type 11	5348	**MG9058058**	Price
46	K	PA46-K8V32A	Type 11	5348	**MG9058059**	Price
60	K	PA60-K8V32A	Type 11	5348	**MG9058060**	Price

Green Silicon Carbide Abrasive Wheels for Precision Applications

- Ideal for precision grinding of hard cemented carbide tooling
- Fast stock removal — long life
- Cool, free cutting action
- Carton Qty: 5 Pcs.



		GC120-IV		GC60-IV		GC80-IV	
Size (in.)	Max. RPM	Order No.	Price	Order No.	Price	Order No.	Price
6 x 1/2 x 1-1/4	4140	**MG3709582**	Price	**-**	-	**MG3709585**	Price
6 x 3/4 x 1-1/4	4140	**MG3709578**	Price	**MG3709581**	Price	**MG3709580**	Price
7 x 1/2 x 1-1/4	3600	**-**	-	**MG3709576**	Price	**MG3709575**	Price
8 x 1/2 x 1-1/4	3600	**-**	-	**MG3709572**	Price	**-**	-
8 x 3/4 x 1-1/4	3600	**-**	-	**MG3709570**	Price	**-**	-

Green Silicon Carbide Surface Grinding Wheels

- Quickly grinds non-ferrous metals and sharpens tungsten carbide tools
- Fast stock removal — long life
- Cool, free cutting action
- Carton Qty: 10 Pcs.



			GC100-IV		GC60-IV		GC80-IV	
Size (in.)	Wheel Type	Max. RPM	Order No.	Price	Order No.	Price	Order No.	Price
7 x 1/4 x 1-1/4	Type 1	3760	**MG9034613**	Price	**MG9034611**	Price	**MG9034612**	Price
7 x 1/2 x 1-1/4	Type 1	3760	**MG9034629**	Price	**MG9034627**	Price	**MG9034628**	Price
7 x 3/4 x 1-1/4 (R/1 -- 3 x 1/4)	Type 5	3760	**MG9034646**	Price	**MG9034644**	Price	**MG9034645**	Price
7 x 1 x 1-1/4 (R/1 -- 3 x 1/2)	Type 5	3760	**MG9034657**	Price	**MG9034655**	Price	**-**	-
8 x 1/4 x 1-1/4	Type 1	3600	**-**	-	**-**	-	**MG9034669**	Price
8 x 1/2 x 1-1/4	Type 1	3600	**MG9034682**	Price	**MG9034680**	Price	**MG9034681**	Price
8 x 3/4 x 1-1/4 (R/1 -- 3 x 1/4)	Type 5	3600	**-**	-	**MG9034692**	Price	**-**	-
8 x 1 x 1-1/4 (R/1 -- 3 x 1/2)	Type 5	3600	**MG9034705**	Price	**MG9034703**	Price	**-**	-

32A ID Wheels

Internal Dimension Wheels- Type 5

- For grinding inside surfaces of bearings, rings, cylinders, barrels, and bores
- Premium mono crystalline grain is sharp, tough, and friable
- Designed for concentricity, precision, rigidity, and efficiency



Size (in.)	Spec	Order No.	Price
3/4 x 3/4 x 1/4 (R/1 -- 3/8 x 3/8)	32A60-J8V	**MG9059050**	Price
1 x 1 x 1/4 (R/1 -- 1/2 x 1/2)	32A60-J8V	**MG9059051**	Price
1 x 1 x 3/8 (R/1 -- 1/2 x 1/2)	32A60-J8V	**MG9059052**	Price
1-1/4 x 1 x 3/8 (R/1 -- 5/8 x 1/2)	32A60-J8V	**MG9059053**	Price

Size (in.)	Spec	Order No.	Price
1-1/2 x 1 x 3/8 (R/1 -- 3/4 x 1/2)	32A60-J8V	**MG9059055**	Price
1-1/2 x 1 x 3/8 (R/1 -- 5/8 x 1/2)	32A60-J8V	**MG9059054**	Price
2 x 1 x 3/8 (R/1 -- 3/4 x 1/2)	32A60-J8V	**MG9059056**	Price
2 x 1-1/2 x 5/8 (R/1 -- 1 x 3/4)	32A60-J8V	**MG9059057**	Price

Cones and Plugs

- For consistent, quality performance in foundries, welding shops, fabrication facilities
- Strong performance on all steel, steel alloys and irons
- Typical applications include hard-to-reach areas inside castings, removing flaws and cracks, and removing metal in corners



Style - Type 16 Cone					
Size	Max. RPM	Std. Pkg.	Spec	Order No.	Price
1-1/2 x 2-1/2 x 3/8-24	24190	10	57A24-R	**MH66T1622349**	Price
2 x 3 x 5/8-11	18145	10	57A24-R	**MH66T1622218**	Price

Style - Type 18 Plugs, Square Tip					
Size	Max. RPM	Std. Pkg.	Spec	Order No.	Price
1-1/2 x 3 x 5/8-11	24190	10	57A24-R	**MH66T1822191**	Price
2 x 3 x 5/8-11	18145	10	57A24-R	**MH66T1822219**	Price

Style - Type 18R Plugs, Round Tip					
Size	Max. RPM	Std. Pkg.	Spec	Order No.	Price
2 x 3 x 5/8-11	18145	10	57A24-R	**MH66T1822220**	Price

SURF PRO® Bench & Pedestal Grinding Wheels - Aluminum Oxide

- Aluminum oxide grain
- Used for general purpose grinding and tool sharpening
- For ferrous metals (carbon steel, steel, iron, forgings, etc)
- Convenient single pack



Size (in.)	Grit	Order No.	Price
6 x 3/4 x 1	36	**SP01063041A036O**	Price
6 x 3/4 x 1	60	**SP01063041A060M**	Price
6 x 3/4 x 1	80	**SP01063041A080M**	Price
6 x 1 x 1	36	**SP01064041A036O**	Price
6 x 1 x 1	60	**SP01064041A060M**	Price
6 x 1 x 1	80	**SP01064041A080M**	Price
7 x 1 x 1	36	**SP01074041A036O**	Price
7 x 1 x 1	60	**SP01074041A060M**	Price
8 x 1 x 1	36	**SP01084041A036O**	Price
8 x 1 x 1	60	**SP01084041A060M**	Price
8 x 1 x 1	80	**SP01084041A080M**	Price

SURF PRO® Bench & Pedestal Grinding Wheels - Silicon Carbide

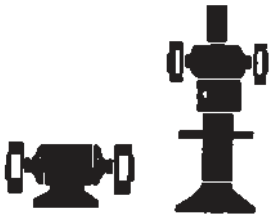
- Silicon carbide grain
- Extremely sharp grain for fast, burr-free cutting
- Use on carbide tipped tool, cast and ferrous or non-ferrous metals
- Convenient single pack



Size (in.)	Grit	Order No.	Price
6 x 3/4 x 1	60	**SP01063041G060I**	Price
6 x 3/4 x 1	80	**SP01063041G080I**	Price
6 x 3/4 x 1	100	**SP01063041G100I**	Price
6 x 1 x 1	60	**SP01064041G060I**	Price
6 x 1 x 1	80	**SP01064041G080I**	Price
6 x 1 x 1	100	**SP01064041G100I**	Price
7 x 1 x 1	60	**SP01074041G060I**	Price
7 x 1 x 1	80	**SP01074041G080I**	Price
8 x 1 x 1-1/4	60	**SP01084041G060I**	Price
8 x 1 x 1-1/4	80	**SP01084041G080I**	Price
8 x 1 x 1-1/4	100	**SP01084041G100I**	Price

CARBORUNDUM Gray Aluminum Oxide & Green Silicon Carbide Abrasive – Vitrified Bond

- Ideal for removing burrs on steel parts
- Fast cutting action – long life
- Good for sharpening high speed steel cutting tools
- Reducer bushings included with each wheel





Material - Brown Aluminum Oxide										
			A100-K		A24-P		A36-M		A60-M	
Size (in.)	Max. RPM	Box Qty.	Order No.	Price Ea.	Order No.	Price Ea.	Order No.	Price Ea.	Order No.	Price Ea.
6 x 3/4 x 1	4140	5	**MG3709974**	Price	**-**	-	**MG3709976**	Price	**MG3709975**	Price
6 x 1 x 1	4140	5	**MG3709971**	Price	**-**	-	**MG3709973**	Price	**MG3709972**	Price
7 x 1 x 1	3600	5	**MG3709964**	Price	**-**	-	**MG3709966**	Price	**MG3709965**	Price
8 x 3/4 x 1	3600	5	**-**	-	**-**	-	**MG3709962**	Price	**MG3709961**	Price
8 x 1 x 1	3600	5	**-**	-	**MG3709960**	Price	**MG3709959**	Price	**MG3709956**	Price
10 x 1 x 1-1/4	2674	2	**-**	-	**MG3709955**	Price	**MG3709953**	Price	**MG3709952**	Price
10 x 1-1/2 x 1-1/4	2674	2	**-**	-	**MG3709948**	Price	**MG3709947**	Price	**-**	-
12 x 1-1/2 x 1-1/2	2228	2	**-**	-	**-**	-	**MG3709941**	Price	**-**	-
12 x 2 x 1-1/2	2220	1	**-**	-	**-**	-	**MG3709938**	Price	**MG3709937**	Price
12 x 2 x 1-1/2	2228	1	**-**	-	**MG3709939**	Price	**-**	-	**-**	-
14 x 2 x 1-1/2	1910	1	**-**	-	**MG3709935**	Price	**MG3709934**	Price	**-**	-

Material - Green Silicon Carbide								
			GC120-IV		GC60-IV		GC80-IV	
Size (in.)	Max. RPM	Box Qty.	Order No.	Price Ea.	Order No.	Price Ea.	Order No.	Price Ea.
6 x 1 x 1	4140	5	**MG3709924**	Price	**MG3709926**	Price	**MG3709925**	Price
6 x 3/4 x 1	4140	5	**MG3709927**	Price	**MG3709929**	Price	**MG3709928**	Price
7 x 1 x 1	3600	5	**MG3709920**	Price	**-**	-	**MG3709922**	Price
8 x 1 x 1	3600	5	**MG3709914**	Price	**MG3709916**	Price	**MG3709915**	Price
10 x 1 x 1-1/4	2674	2	**MG3709911**	Price	**MG3709913**	Price	**MG3709912**	Price

Vitrified Bench Wheels



Features:

- These Bench & Pedestal wheels cover a broad range of general bench grinding jobs, and offer custom quality at off-the-shelf prices
- Use aluminum oxide wheels for all types of steels
- Use silicon carbide green wheels for tungsten carbide and non-ferrous metals such as brass, bronze and aluminum
- Each wheel contains a free nested bushing

Silicon Carbide Grit Range

- Medium–60 grit for roughing of carbide tools
- Fine–80 grit for all-purpose grinding of carbide tools
- Extra Fine–120 grit for fine finishing of carbide tools

Aluminum Oxide Grit Range

- Very coarse–24 grit for fast, free cutting rough grinding jobs
- Coarse–36/46 grit for an extended range of non-precision grinding applications
- Medium–60/80 grit, a mid-range blend for a variety of bench and pedestal grinding jobs
- Fine–100/120 grit, a versatile blend for fine cleanup, small tool reconditioning and deburring jobs

Bushings

- 7” Wheels include 1/2”, 5/8” and 3/4” reducing bushings
- 8” Wheels include 5/8”, 3/4” and 7/8” reducing bushings
- 10” Wheels include 3/4” reducing
- 12” Wheels include 1-1/4” reducing bushings

Material - Aluminum Oxide Size (in.) - 5 x 1/2 x 1				
Grit	Max RPM	Box Qty.	Order No.	Price
Fine	4965	1	**MH60050088201**	Price
Medium	4965	1	**MH60050088202**	Price

Material - Aluminum Oxide Size (in.) - 5 x 3/4 x 1				
Grit	Max RPM	Box Qty.	Order No.	Price
Coarse	4965	1	**MH60050088215**	Price
Fine	4965	1	**MH60050088205**	Price
Medium	4965	1	**MH60050088210**	Price

Material - Silicon Carbide Size (in.) - 6 x 1/2 x 1				
Grit	Max RPM	Box Qty.	Order No.	Price
Extra Fine	4140	1	**MH60060036573**	Price
Fine	4140	1	**MH60060036572**	Price
Medium	4140	1	**MH60060036571**	Price

Material - Silicon Carbide Size (in.) - 6 x 3/4 x 1				
Grit	Max RPM	Box Qty.	Order No.	Price
Extra Fine	4140	1	**MH60060037192**	Price
Fine	4140	1	**MH60060037191**	Price
Medium	4140	1	**MH60060037190**	Price

Material - Silicon Carbide Size (in.) - 6 x 1 x 1				
Grit	Max RPM	Box Qty.	Order No.	Price
Extra Fine	4140	1	**MH60060037194**	Price
Fine	4140	1	**MH60060037193**	Price
Medium	4140	1	**MH60060037187**	Price

Material - Silicon Carbide Size (in.) - 7 x 1 x 1				
Grit	Max RPM	Box Qty.	Order No.	Price
Extra Fine	3600	1	**MH60070042302**	Price
Fine	3600	1	**MH60070042301**	Price
Medium	3600	1	**MH60070042300**	Price

Material - Silicon Carbide Size (in.) - 8 x 1 x 1				
Grit	Max RPM	Box Qty.	Order No.	Price
Extra Fine	3600	1	**MH60080044535**	Price
Fine	3600	1	**MH60080044534**	Price
Medium	3600	1	**MH60080044087**	Price

Material - Silicon Carbide Size (in.) - 10 x 1 x 1-1/4				
Grit	Max RPM	Box Qty.	Order No.	Price
Fine	2485	1	**MH60100060366**	Price
Medium	2485	1	**MH60100044536**	Price

Material - Silicon Carbide Size (in.) - 12 x 2 x 1-1/4				
Grit	Max RPM	Box Qty.	Order No.	Price
Fine	2485	1	**MH60120063360**	Price
Medium	2485	1	**MH60120063359**	Price

Material - Aluminum Oxide Size (in.) - 5 x 1 x 1				
Grit	Max RPM	Box Qty.	Order No.	Price
Coarse	4965	1	**MH60050088230**	Price
Medium	4965	1	**MH60050088225**	Price

Material - Aluminum Oxide Size (in.) - 6 x 1/2 x 1				
Grit	Max RPM	Box Qty.	Order No.	Price
Coarse	4140	1	**MH60060036132**	Price
Fine	4140	1	**MH60060036133**	Price
Medium	4140	1	**MH60060036131**	Price

Material - Aluminum Oxide Size (in.) - 6 x 3/4 x 1				
Grit	Max RPM	Box Qty.	Order No.	Price
Coarse	4140	1	**MH60060088245**	Price
Fine	4140	1	**MH60060088235**	Price
Medium	4140	1	**MH60060088240**	Price

Material - Aluminum Oxide Size (in.) - 6 x 1 x 1				
Grit	Max RPM	Box Qty.	Order No.	Price
Coarse	4140	1	**MH60060088260**	Price
Fine	4140	1	**MH60060088250**	Price
Medium	4140	1	**MH60060088255**	Price

Material - Aluminum Oxide Size (in.) - 7 x 1 x 1				
Grit	Max RPM	Box Qty.	Order No.	Price
Coarse	3600	1	**MH60070088275**	Price
Fine	3600	1	**MH60070088265**	Price
Medium	3600	1	**MH60070088270**	Price

Material - Aluminum Oxide Size (in.) - 8 x 3/4 x 1				
Grit	Max RPM	Box Qty.	Order No.	Price
Coarse	3600	1	**MH60080088278**	Price
Fine	3100	1	**MH60080042317**	Price
Medium	3600	1	**MH60080088277**	Price

Material - Aluminum Oxide Size (in.) - 8 x 1 x 1				
Grit	Max RPM	Box Qty.	Order No.	Price
Coarse	3600	1	**MH60080088286**	Price
Fine	3600	1	**MH60080088280**	Price
Medium	3600	1	**MH60080088285**	Price
Very Coarse	3600	1	**MH60080044454**	Price

Material - Aluminum Oxide Size (in.) - 10 x 1 x 1-1/4				
Grit	Max RPM	Box Qty.	Order No.	Price
Coarse	2485	1	**MH60100088295**	Price
Fine	2485	1	**MH60100060350**	Price
Medium	2485	1	**MH60100088290**	Price
Very Coarse	2485	1	**MH60100060788**	Price

Material - Aluminum Oxide Size (in.) - 10 x 1-1/4 x 1-1/4				
Grit	Max RPM	Box Qty.	Order No.	Price
Coarse	2485	1	**MH60100061250**	Price
Medium	2485	1	**MH60100061251**	Price

Material - Aluminum Oxide Size (in.) - 10 x 1-1/2 x 1-1/4				
Grit	Max RPM	Box Qty.	Order No.	Price
Coarse	2485	1	**MH60100061393**	Price
Medium	2485	1	**MH60100061395**	Price

Material - Aluminum Oxide Size (in.) - 12 x 1-1/2 x 1-1/2				
Grit	Max RPM	Box Qty.	Order No.	Price
Coarse	2070	1	**MH60120063052**	Price
Medium	2070	1	**MH60120063053**	Price

Material - Aluminum Oxide Size (in.) - 12 x 2 x 1-1/2				
Grit	Max RPM	Box Qty.	Order No.	Price
Coarse	2485	1	**MH60120063055**	Price
Medium	2485	1	**MH60120063056**	Price
Very Coarse	2485	1	**MH60120063054**	Price

Brown Aluminum Oxide & Green Silicon Carbide Abrasive - Vitrified Bond



- Ideal for removing burrs on steel parts
- Fast cutting action – long life
- Good for sharpening high speed steel cutting tools
- Reducer bushings included with each wheel
- CGW AO brown bench wheels use premium low fire technology to assure consistent bond
- 10-14″ Bench wheels are packed in single white craft box

Material - Brown Aluminum Oxide												
			A46-MV		A60-MV		A80-MV		A24-QV		A36-OV	
Size (in.)	Max. RPM	Box Qty.	Order No.	Price Ea.	Order No.	Price Ea.	Order No.	Price Ea.	Order No.	Price Ea.	Order No.	Price Ea.
6 x 1/2 x 1	4456	10	**MG9038003**	Price	**MG9038004**	Price	**MG9038005**	Price	-	-	-	-
6 x 3/4 x 1	4456	10	**MG9035010**	Price	**MG9035011**	Price	**MG9035012**	Price	**MG9035008**	Price	**MG9035009**	Price
6 x 1 x 1	4456	10	**MG9035019**	Price	**MG9035020**	Price	**MG9035021**	Price	**MG9035017**	Price	**MG9035018**	Price
7 x 1 x 1	3760	10	**MG9035036**	Price	**MG9035037**	Price	**MG9035038**	Price	**MG9035034**	Price	**MG9035035**	Price
8 x 1 x 1-1/4	3600	10	**MG9035048**	Price	**MG9035049**	Price	**MG9035050**	Price	**MG9035046**	Price	**MG9035047**	Price
10 x 1 x 1-1/4	2483	1	**MG9038028**	Price	**MG9038029**	Price	**MG9038030**	Price	**MG9038026**	Price	**MG9038027**	Price
10 x 1-1/2 x 1-1/4	2483	1	**MG9038033**	Price	**MG9038034**	Price	**MG9038035**	Price	**MG9038031**	Price	**MG9038032**	Price
12 x 2 x 1-1/2	2220	1	**MG9038048**	Price	**MG9038049**	Price	**MG9038050**	Price	**MG9038046**	Price	**MG9038047**	Price
14 x 2 x 1-1/2	1773	1	**MG9038053**	Price	**MG9038054**	Price	**-**	-	**MG9038051**	Price	**MG9038052**	Price

Material - Green Silicon Carbide								
			GC100-IV		GC60-IV		GC80-IV	
Size (in.)	Max. RPM	Box Qty.	Order No.	Price Ea.	Order No.	Price Ea.	Order No.	Price Ea.
6 x 1/2 x 1	4456	10	**MG9035007**	Price	**MG9035005**	Price	**MG9035006**	Price
6 x 3/4 x 1	4456	10	**MG9035015**	Price	**MG9035013**	Price	**MG9035014**	Price
6 x 1 x 1	4456	10	**MG9035024**	Price	**MG9035022**	Price	**MG9035023**	Price
7 x 1 x 1	3760	10	**MG9035041**	Price	**MG9035039**	Price	**MG9035040**	Price
8 x 1 x 1-1/4	3600	10	**MG9035053**	Price	**MG9035051**	Price	**MG9035052**	Price
10 x 1 x 1-1/4	2483	1	**MG9038521**	Price	**MG9038519**	Price	**MG9038520**	Price
10 x 1-1/2 x 1-1/4	2483	1	**MG9038524**	Price	**MG9038522**	Price	**MG9038523**	Price
12 x 2 x 1-1/2	2220	1	**MG9038533**	Price	**MG9038531**	Price	**MG9038532**	Price
14 x 2 x 1-1/2	1773	1	**-**	-	**MG9038534**	Price	**-**	-

Centerless and Cylindrical Wheels

Type 1 Straight Wheel
64A – Versatile performance at an economical price



Features:
- Specially blended aluminum oxide abrasive coupled with superior vitrifed bond
- Versatile

Benefits:
- Will maintain high grinding rates without wheel breakdown
- Engineered to grind a variety of materials

Feature - Centerless			
Size (in.)	Specifications	Order No.	Price
20 x 4 x 12	64A60-KVCE	**MH60200066723**	Price
20 x 4 x 12	64A60-MVCE	**MH60200066725**	Price
20 x 4 x 12	64A80-LVCE	**MH60200066727**	Price
20 x 6 x 12	64A60-KVCE	**MH60200066729**	Price
20 x 6 x 12	64A80-MVCE	**MH60200066734**	Price
20 x 8 x 12	64A60-KVCE	**MH60200066748**	Price
20 x 8 x 12	64A60-LVCE	**MH60200066749**	Price
20 x 8 x 12	64A80-KVCE	**MH60200066751**	Price
20 x 8 x 12	64A80-LVCE	**MH60200066752**	Price
24 x 3 x 12	64A60-K8V127	**MH60240066708**	Price
24 x 6 x 12	64A60-LVCE	**MH60240066765**	Price
24 x 8 x 12	64A60-KVCE	**MH60240066766**	Price
24 x 8 x 12	64A80-KVCE	**MH60240066769**	Price
24 x 10 x 12	64A60-KVCE	**MH60240066791**	Price
24 x 10 x 12	64A80-KVCE	**MH60240066788**	Price

Feature - Cylindrical			
Size (in.)	Specifications	Order No.	Price
16 x 1 x 5	64A60-K8V127	**MH60160066722**	Price
16 x 2 x 5	64A60-K8V127	**MH60160066721**	Price
18 x 2 x 5	64A60-K8V127	**MH60180066719**	Price
20 x 2 x 5	64A60-J8V127	**MH60200066713**	Price
20 x 2 x 8	64A60-K8V127	**MH60200066712**	Price
20 x 3 x 8	64A46-I8V127	**MH60200066447**	Price
20 x 3 x 8	64A60-J8V127	**MH60200008140**	Price
24 x 2 x 12	60A80-KV127	**MH60240066711**	Price
24 x 2 x 12	64A60-KV127	**MH60240066710**	Price

Centerless Grinding Wheels - 20" & 24" Diameter



- Aluminum Oxide
- Vitrified
- Abrasive is recommended for hardened steel 55RC and stainless steel

Spec. - 94A60-K5V18				
Size (in.)	Grit	Hardness	Order No.	Price
20 x 1 x 12	60	K	**MG90273005**	Price
20 x 2 x 12	60	K	**MG90273010**	Price
20 x 4 x 12	60	K	**MG90273025**	Price
20 x 6 x 12	60	K	**MG90273030**	Price
20 x 8 x 12	60	K	**MG90273035**	Price
24 x 2 x 12	60	K	**MG90273040**	Price
24 x 3 x 12	60	K	**MG90273045**	Price
24 x 4 x 12	60	K	**MG90273055**	Price
24 x 6 x 12	60	K	**MG90273060**	Price
24 x 8 x 12	60	K	**MG90273065**	Price
24 x 10 x 12	60	K	**MG90273070**	Price
24 x 20 x 12	60	K	**MG90273075**	Price

Spec. - 94A60-L5V18				
Size (in.)	Grit	Hardness	Order No.	Price
20 x 2 x 12	60	L	**MG90273110**	Price
20 x 3 x 12	60	L	**MG90273115**	Price
20 x 4 x 12	60	L	**MG90273125**	Price
20 x 6 x 12	60	L	**MG90273130**	Price
20 x 8 x 12	60	L	**MG90273135**	Price
24 x 10 x 12	60	L	**MG90273170**	Price
24 x 4 x 12	60	L	**MG90273155**	Price
24 x 6 x 12	60	L	**MG90273160**	Price
24 x 8 x 12	60	L	**MG90273165**	Price

Spec. - 94A60-M6V18				
Size (in.)	Grit	Hardness	Order No.	Price
20 x 1 x 12	60	M	**MG90273205**	Price
20 x 2 x 12	60	M	**MG90273210**	Price
20 x 6 x 12	60	M	**MG90273230**	Price
20 x 8 x 12	60	M	**MG90273235**	Price
24 x 10 x 12	60	M	**MG90273270**	Price
24 x 20 x 12	60	M	**MG90273275**	Price
24 x 6 x 12	60	M	**MG90273260**	Price
24 x 8 x 12	60	M	**MG90273265**	Price

Spec. - 94A80-J5V18				
Size (in.)	Grit	Hardness	Order No.	Price
20 x 6 x 12	80	J	**MG90273330**	Price
20 x 8 x 12	80	J	**MG90273335**	Price
24 x 6 x 12	80	J	**MG90273360**	Price
24 x 8 x 12	80	J	**MG90273365**	Price

Spec. - 94A80-M6V18				
Size (in.)	Grit	Hardness	Order No.	Price
20 x 2 x 12	80	M	**MG90273410**	Price
20 x 4 x 12	80	M	**MG90273425**	Price
20 x 6 x 12	80	M	**MG90273430**	Price
20 x 8 x 12	80	M	**MG90273435**	Price
24 x 4 x 12	80	M	**MG90273455**	Price
24 x 6 x 12	80	M	**MG90273460**	Price

Spec. - 94A80-O6V18				
Size (in.)	Grit	Hardness	Order No.	Price
20 x 1 x 12	80	O	**MG90273505**	Price
20 x 2 x 12	80	O	**MG90273510**	Price
20 x 6 x 12	80	O	**MG90273530**	Price
20 x 8 x 12	80	O	**MG90273535**	Price
24 x 2 x 12	80	O	**MG90273540**	Price
24 x 8 x 12	80	O	**MG90273565**	Price

Spec. - 94A80-P6V18				
Size (in.)	Grit	Hardness	Order No.	Price
20 x 1 x 12	80	P	**MG90273605**	Price
20 x 2 x 12	80	P	**MG90273610**	Price
20 x 4 x 12	80	P	**MG90273625**	Price

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Cylindrical Grinding Wheels - 14" & 16" Diameters



- Aluminum oxide
- Vitrified
- Premium quality
- Ideal for most metal applications

Spec. - 94A54-K5TP5V18				
Size (in.)	Grit Size	Hardness	Order No.	Price
14 x 1-1/2 x 5 REC1/S 8 x 1/2	54	K	**MG90173020**	Price
14 x 2 x 5 REC1/S 8 x 1	54	K	**MG90173025**	Price

Spec. - 94A54-K5V18				
Size (in.)	Grit Size	Hardness	Order No.	Price
14 x 1 x 5	54	K	**MG90173015**	Price
16 x 1-1/2 x 8	54	K	**MG90173050**	Price
16 x 2 x 8	54	K	**MG90173055**	Price

Spec. - 94A54-KV18				
Size (in.)	Grit Size	Hardness	Order No.	Price
16 x 1 x 8	54	K	**MG90173045**	Price

Spec. - 94A60-L5V18				
Size (in.)	Grit Size	Hardness	Order No.	Price
16 x 1 x 5	60	L	**MG90173130**	Price
16 x 1-1/2 x 5	60	L	**MG90173135**	Price
16 x 2 x 5	60	L	**MG90173140**	Price
16 x 4 x 10	60	L	**MG90173160**	Price
14 x 1 x 5	60	L	**MG90173115**	Price
14 x 1-1/2 x 5 REC1/S 8 x 1/2	60	L	**MG90173120**	Price
14 x 2 x 5 REC1/S 8 x 1	60	L	**MG90173125**	Price
16 x 1 x 8	60	L	**MG90173145**	Price
16 x 2 x 8	60	L	**MG90173155**	Price

Spec. - 94A80-L6V18				
Size (in.)	Grit Size	Hardness	Order No.	Price
16 x 4 x 10	80	L	**MG90173260**	Price

Spec. - 94A80-M6V18				
Size (in.)	Grit Size	Hardness	Order No.	Price
14 x 1 x 5	80	M	**MG90173315**	Price
14 x 1-1/2 x 5 REC1/S 8 x 1/2	80	M	**MG90173320**	Price
14 x 2 x 5 REC1/S 8 x 1	80	M	**MG90173325**	Price
16 x 1 x 5	80	M	**MG90173330**	Price
16 x 1 x 8	80	M	**MG90173345**	Price
16 x 1-1/2 x 5	80	M	**MG90173335**	Price
16 x 1-1/2 x 8	80	M	**MG90173350**	Price
16 x 2 x 5	80	M	**MG90173340**	Price

F.O.B Niles, IL

Green Silicon Carbide Cylindrical Wheels

- Manufactured with varying hardness to assure consistent grindability throughout - this features compensates for the diameter and speed changes as the wheel is used



Size (in.)	Spec	Order No.	Price
16 x 1-1/2 x 5	GC-80K7-V	**MG9037806**	Price
16 x 1-1/2 x 8	PASP-60K8-VD	**MG9037807**	Price
16 x 2-1/2 x 5	PASP-60K8-VD	**MG9037812**	Price
20 x 3 x 12	WAG-80H8-VD	**MG9037822**	Price
20 x 4 x 12	WAG-80H8-VD	**MG9037823**	Price
24 x 1 x 8	GC-80K7-V	**MG9037825**	Price
24 x 1 x 8	PASP-60K8-VD	**MG9037824**	Price
24 x 2 x 8	GC-80K7-V	**MG9037827**	Price
24 x 2 x 8	PASP-60K8-VD	**MG9037826**	Price
24 x 3 x 8	WAG-80H8-VD	**MG9037828**	Price

Centerless Grinding Regulating Feed Wheels

- Rubber Bonded
- Standard Marking A80R2R



Size (in.)	Recess	Order No.	Price
8 x 4 x 3	R1/S 4-1/2 x 1/2 O/S 4-1/2 x 1-1/2	**MG650840**	Price
9 x 2 x 4	-	**MG650920**	Price
9 x 4 x 4	R2/S 5-1/2 x 5/8	**MG650940**	Price
12 x 1 x 5	-	**MG651210**	Price
12 x 2 x 5	-	**MG651220**	Price
12 x 2-1/2 x 5	-	**MG651225**	Price
12 x 3 x 5	-	**MG651230**	Price
12 x 4 x 5	R2/S 7-1/2 x 1/2	**MG651240**	Price
12 x 6 x 5	R1/S 7-1/2 x 1/2 O/S 7-1/2 x 1-1/2	**MG651261**	Price
12 x 6 x 5	R2/S 7-1/2 x 1-1/2	**MG651262**	Price
12 x 8 x 5	R1/S 7-1/2 x 1-1/2 O/S 7-1/2 x 2-1/2	**MG651281**	Price
12 x 8 x 5	R1/S 7-1/2 x 1-1/2	**MG651280**	Price
14 x 20 x 5 (SB)	R 2/S 8 x 1-1/2	**MG6514200**	Price
14 x 20 x 6 (SB)	R 2/S 8-1/2 x 1-1/2	**MG6514201**	Price

Mattison-Thompson Type Grinding Wheels – 18" & 20" Diameters

Abrasive Types:
- 83A — Friable, full premium aluminum oxide
- 91A — Semi-Friable, mixed aluminum oxide

Vitrified Bond:
- 83A 46 G+ — Friable aluminum oxide with induced porosity



Type - 83A			
Size (in.)	**Grit**	**Order No.**	**Price**
18 x 2 x 8 REC2/S 11-1/2 x 1/2	46I	**MG92182005**	Price
20 x 1 x 8	46H	**MG9221083**	Price
20 x 1 x 8	60J	**MG9221084**	Price
20 x 1-1/2 x 8 REC1/S 11-1/2 x 1/2	46H	**MG9221583**	Price
20 x 1-1/2 x 8 REC1/S 11-1/2 x 1/2	60J	**MG9221584**	Price
20 x 1-1/2 x 10	46 H	**MG9221503**	Price
20 x 2 x 8 REC2/S 11-1/2 x 1/2	36J	**MG9224081**	Price
20 x 2 x 8 REC2/S 11-1/2 x 1/2	46H	**MG9222083**	Price
20 x 2 x 8 REC2/S 11-1/2 x 1/2	60J	**MG9222084**	Price
20 x 2 x 10	36J	**MG9222001**	Price
20 x 2 x 10	46 H	**MG9222003**	Price
20 x 2 x 10	60J	**MG9222004**	Price
20 x 3 x 8 REC2/S 11-1/2 x 1/2	36J	**MG9223081**	Price
20 x 3 x 8 REC2/S 11-1/2 x 1/2	46D	**MG9223086**	Price
20 x 3 x 8 REC2/S 11-1/2 x 1/2	46G	**MG9223082**	Price
20 x 3 x 8 REC2/S 11-1/2 x 1/2	46H	**MG9223083**	Price
20 x 3 x 8 REC2/S 11-1/2 x 1/2	60J	**MG9234048**	Price
20 x 3 x 10 REC1/S 12-1/2 x 5/8 O/S 12-1/2 x 1	36J	**MG9234044**	Price
20 x 3 x 10 REC1/S 12-1/2 x 5/8 O/S 12-1/2 x 1	46D	**MG9223006**	Price
20 x 3 x 10 REC1/S 12-1/2 x 5/8 O/S 12-1/2 x 1	46G	**MG9234046**	Price
20 x 3 x 10 REC1/S 12-1/2 x 5/8 O/S 12-1/2 x 1	46 H	**MG9223003**	Price
20 x 3 x 10 REC1/S 12-1/2 x 5/8 O/S 12-1/2 x 1	60J	**MG9223004**	Price
20 x 4 x 8 REC2/S 11-1/2 x 1/2	46G	**MG9224082**	Price
20 x 4 x 8 REC2/S 11-1/2 x 1/2	46H	**MG9224083**	Price
20 x 4 x 10 REC1/S 12-1/2 x 7/8 O/S 12-1/2 x 1-1/4	36J	**MG9224001**	Price
20 x 4 x 10 REC1/S 12-1/2 x 7/8 O/S 12-1/2 x 1-1/4	46D	**MG9224006**	Price
20 x 4 x 10 REC1/S 12-1/2 x 7/8 O/S 12-1/2 x 1-1/4	46G	**MG9224002**	Price
20 x 4 x 10 REC1/S 12-1/2 x 7/8 O/S 12-1/2 x 1-1/4	46H	**MG9224003**	Price
20 x 6 x 10 REC1/S 12-1/2 x 1 O/S 12-1/2 x 2	36J	**MG9226001**	Price
20 x 6 x 10 REC1/S 12-1/2 x 1 O/S 12-1/2 x 2	46D	**MG9226006**	Price
20 x 6 x 10 REC1/S 12-1/2 x 1 O/S 12-1/2 x 2	46G	**MG9226002**	Price
20 x 6 x 10 REC1/S 12-1/2 x 1 O/S 12-1/2 x 2	46H	**MG9226003**	Price
20 x 6 x 12 REC2/S 14-1/4 x 1	36J	**MG9226021**	Price
20 x 6 x 12 REC2/S 14-1/4 x 1	46G	**MG9226022**	Price
20 x 6 x 12 REC2/S 14-1/4 x 1	46H	**MG9226023**	Price
20 x 8 x 12 REC2/S 14-1/4 x 1	46H	**MG9228023**	Price

Type - 91A			
Size (in.)	**Grit**	**Order No.**	**Price**
18 x 2 x 8 REC2/S 10-1/2 x 1/2	46H	**MG92182083**	Price
20 x 2 x 8 REC2/S 11-1/2 x 1/2	46I	**MG9222085**	Price
20 x 3 x 8	46I	**MG9223085**	Price
20 x 3 x 10 REC1/S 12-1/2 x 5/8 O/S 12-1/2 x 1	46I	**MG9223005**	Price
20 x 4 x 10 REC1/S 12-1/2 x 7/8 O/S 12-1/2 x 1-1/4	46I	**MG9224005**	Price
20 x 6 x 10 REC1/S 12-1/2 x 1 O/S 12-1/2 x 2	46I	**MG9226005**	Price
20 x 6 x 12 REC2/S 14-1/4 x 1	46I	**MG9226025**	Price

Type - AZ			
Size (in.)	**Grit**	**Order No.**	**Price**
20 x 3 x 8 REC2/S 11-1/2 x 1/2	46I	**MG9234034**	Price
20 x 3 x 10 REC1/S 12-1/2 x 5/8 O/S 12-1/2 x 1	46I	**MG9234043**	Price

F.O.B. Niles, IL

Gemini Surface Grinding Segments

- Expanded versatility to meet various application requirements
- Consistent performance at an economical price
- Excellent general purpose abrasive segments for shops grinding a variety of materials
- **Must be ordered in standard pack quantity**



Size (in.)	Special Feature	Spec	Standard Pack	Order No.	Price Ea.
5 x 1-1/2 x 6	Hanchett, Mattason, Norton/ME20579	Gemini 30-E	8	**MH65S0650295**	Price
5 x 1-1/2 x 6	Hanchett, Mattason, Norton/ME20579	Gemini 30-F	8	**MH65S0650297**	Price
5 x 1-1/2 x 6	Hanchett, Mattason, Norton/ME20579	Gemini 30-G	8	**MH65S0650299**	Price
11-1/4 x 2-1/4 x 6	Cortland/ME30777	Gemini 30-E	5	**MH65S0699706**	Price
11-1/4 x 2-1/4 x 6	Cortland/ME30777	Gemini 30-F	5	**MH65S0699709**	Price
11-1/4 x 2-1/4 x 6	Cortland/ME30777	Gemini 30-G	5	**MH65S0699710**	Price
11-1/4 x 2-1/4 x 6	Cortland/ME30777	Gemini 30-H	5	**MH65S0647588**	Price
11-1/4 x 2-1/4 x 6	Cortland/ME30777	Gemini 30-I	5	**MH65S0647589**	Price
11-1/4 x 2-1/4 x 8	Cortland/ME30777	Gemini 30-E	5	**MH65S0899712**	Price
11-1/4 x 2-1/4 x 8	Cortland/ME30777	Gemini 30-F	5	**MH65S0899716**	Price
11-1/4 x 2-1/4 x 8	Cortland/ME30777	Gemini 30-G	5	**MH65S0899717**	Price
11-1/4 x 2-1/4 x 8	Cortland/ME30777	Gemini 30-H	5	**MH65S0847591**	Price
11-1/4 x 2-1/4 x 8	Cortland/ME30777	Gemini 30-I	5	**MH65S0847592**	Price
11-1/4 x 3 x 8	Cortland Bonus Grind/ME100703B	Gemini 30-E	5	**MH65S0899725**	Price
11-1/4 x 3 x 8	Cortland Bonus Grind/ME100703B	Gemini 30-F	5	**MH65S0899727**	Price
11-1/4 x 3 x 8	Cortland Bonus Grind/ME100703B	Gemini 30-G	5	**MH65S0899728**	Price
11-1/4 x 3 x 8	Cortland Bonus Grind/ME100703B	Gemini 30-H	5	**MH65S0847594**	Price
11-1/4 x 3 x 8	Cortland Bonus Grind/ME100703B	Gemini 30-I	5	**MH65S0847595**	Price

Medalist Ceramic Alumina Abrasive Surface Grinding Segments

- Ideal for high stock removal on flat surfaces
- Best for grinding hard materials
- High performance bond, ceramic alumina abrasive - blue color
- Self-sharpening abrasive
- Induced porosity



Size (in.)	Grit Size	Spec.	Standard Pack	Order No.	Price Ea.
11-1/4 x 2-1/4 x 6	30-EVLP	Type CD	5	**MG3707047**	Price
11-1/4 x 2-1/4 x 61	30-GVLP	Type CD	5	**MG3707048**	Price
11-1/4 x x2-1/4 x 6	30-FVLP	Type CD	5	**MG3762907**	Price
5 x 1-1/2 x 6	30-EVLP	Type NO	8	**MG3707043**	Price
5 x 1-1/2 x 6	30-GVLP	Type NO	8	**MG3707044**	Price

Premier Red Aluminum Oxide Abrasive Surface Grinding Segments

- Engineered for high stock removal on flat surfaces
- Performance, aluminum oxide abrasive - pink color
- Premier vitrified bond
- Induced porosity



Size (in.)	Grit Size (in.)	Spec.	Standard Pack	Order No.	Price Ea.
11-1/4 x 2-1/4 x 6	RA24-EV40P	Type CD	5	**MG3762912**	Price
11-1/4 x 2-1/4 x 6	RA30-EV40P	Type CD	5	**MG3762914**	Price
11-1/4 x 2-1/4 x 6	RA30-GV40P	Type CD	5	**MG3762915**	Price
5 x 1-1/2 x 6	RA30-GV40P	Type NO	8	**MG3762911**	Price

Gold Aluminum Oxide Abrasive Surface Grinding Segments

- For high stock removal on flat surfaces
- Aluminum oxide abrasive blend - gray/pink color
- Advanced vitrified bond
- Induced porosity



Size (in.)	Grit Size	Spec.	Standard Pack	Order No.	Price Ea.
11-1/4 x 2-1/4 x 6	Gold 30-E	Type CD	5	**MG3763010**	Price
11-1/4 x 2-1/4 x 6	Gold 30-F	Type CD	5	**MG3762922**	Price
11-1/4 x 3 x 8	Gold 30-F	Type CD	4	**MG3762924**	Price

LAST WORD™ The Original Wheel Dresser - Model A by Suburban

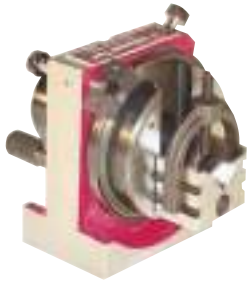


The Last Word in Angle Tangent to Radius Wheel Dressing

- Original Last Word™ dresser works equally well on surface, OD & ID grinders. On OD & ID grinders it is simply clamped vertically on an angle plate.
- Reduces set-up dressing time to a minimum
- Wheel dressing is performed with wheel guard in place for operator safety
- All actuation knobs are at the back of dresser, keeping operator's hands at a safe distance
- Direct setting together with high precision lapped parts makes accurate dressing very simple

Range Convex Radii (in.)	Range Concave Radii (in.)	Tangent Travel (in.)	Centerline Height (in.)	Max. Wheel Size (in.)	Order No.	Price
0 to 2-1/4	0 to 4	1-7/8	3.4	8	**NJ50LWDA**	Price

Suburban Punch Master Grinding Fixture



- 48 Position index plate (for hard index every 7-1/2°)
- Built in sine bar for setting angles between hard index locations
- Spindle runs in two preloaded and sealed ball bearings
- Extra large 1-5/8″ V-block capacity
- Square and parallel within .0002″
- Maximum spindle runout ±.0001″
- Fitted wooden case

Order No.	Price
NJ50PMV2	Price

Duplex Radius Dresser Dress and Thin Both Sides of a Grinding Wheel



- .001 Micrometer adjustment
- 2 Bushings for 1/4″ shank dresser
- Hex key
- Accepts both 1/4″ shank and 3/8″ shank dresser (NOT included)

Specifications:

- Maximum width of wheel: 40mm (1-9/16″)
- Maximum dressing depth: 40mm (1-9/16″)
- Minimum dressing width: .2mm (0.0079″)
- Graduation .02mm: (0.0001″)
- Weight: 5.2kg (11.5 lbs)

Order No.	Price
NP55SDDF30	Price

Punch Former & Radius Dresser

- Use for concave and convex radius
- Hardened tool steel construction
- Radius Dresser standard
- With oscillating Vee Block for tangent dressing
- Complete fitted case



Center Height	Indexing Div.	Tangential Travel Either Side Of Center	Dia. Workpiece of V-Block	V-Block Adjusting System	Max. Size Grinding Wheel	Max. Outside Radius (on wheel)	Max. Inside Radius (on wheel)	Dimension	Order No.	Price
3-1/2 (80mm)	24 every 15°± 10 sec	25/32 (19.8mm)	0.16-1.18 (4-30mm)	Rack and Pinion	200 mm (8")	1.89 (48mm)	3.9 (100mm)	14.2 x 4.6 x 5.7 (360 x 116 x 145mm)	**NP55MCL450**	Price

Universal Wheel Dresser

- Works on surface grinder and universal tool grinder to dress grinding wheels into various cross sections of flat or curved shapes



Center Height (in.)	Measuring Quasi-Pin Dia.	Max. Swing Distance of Diamond	Max. Wheel Dia.	Max. Translation of Feed	Feed Per Division of Handle Scale	Weight	Order No.	Price
165mm (6-2/5")	10mm (0.4")	±20mm (±0.8")	200 mm (8")	20mm (0.8")	.02mm	5kg	**NP55NRD4**	Price

NATIONAL Radius Dresser

For Up to 10" Diameter Wheels

- .0005″ Accuracy
- No height gage or set-ups required
- Radius is set on the grinder by measuring over the two pins or by inserting a gage block for direct reading
- Uses 3/8″ shank diamond



Max. Wheel Dia. (in.)	Convex Radii Range (in.)	Concave Radii Range (in.)	Tangent Travel (in.)	Centerline of Tool	Order No.	Price
Up to 10"	0 to 1-5/8	0 to 4	2	3.4	**NP55NRD2**	Price

NORTON Pacesetter Brake Controlled Truing Device

- Ideal for light duty use
- Pre-set speed requires no adjusting
- Includes (1) 3" vitrified wheel





Description (in.)	Order No.	Price
Truing Device with (1) 3 x 1 x 1/2 Wheel	**MH63BT335578**	Price
3 x 1 x 1/2 37C60-MVK Replacement Wheel	**MH60030029166**	Price
3 x 1 x 1/2 37C80-HVK Replacement Wheel	**MH60030029170**	Price
3 x 1 x 1/2 37C80-MVK Replacement Wheel	**MH60030029171**	Price
3 x 1 x 1/2 38A60-M8VBE Replacement Wheel	**MH60030029145**	Price

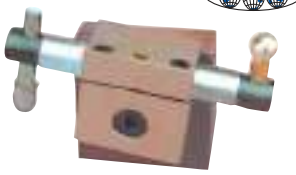
Hi-Lo Adjustable Dressers



- For all grinding machines
- Dress OD and Face
- Adjustable to 7″ height
- Dress any height
- Rugged construction

Order No.	Price
NE60HL200DM	Price

Lo-Boy Angle Dresser



- Heavy precision ground base plate
- Square on all six sides to .0002″
- Slide block pivots on hardened shoulder screws
- Diamond dresser included

Order No.	Price
NP55LB01	Price

Geiger Wheel Dresser

and Replacement Diamond Tip



- Accommodates most any bench or pedestal type grinder
- Complete with an extremely hard 1/2” carat industrial diamond tip

Description	Order No.	Price
Geiger Wheel Dresser	**MN607575**	Price
Replacement Diamond Tip	**MN6075B**	Price

Magnetic Diamond Dresser

For Dressing Grinding Wheels on Surface Grinders, Lathes and Jig Grinders

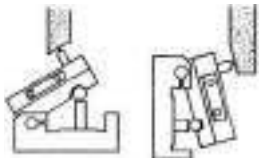


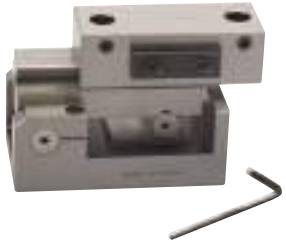
- Diamond NOT Included
- No clamping required
- Permanent magnets allow use on high angle plate or sine plate set-ups
- Quick positive hold with instant release button

Description	Order No.	Price
Magnetic Wheel Dresser	**MN50MDD1**	Price
Diamond Dresser Only	**MN45ED025A**	Price

Sine Dresser — MATCO Type

- Ultra precision unit dresses grinding wheels to any angle from 0-60° with smoothness and accuracy
- Dimensions: 3-1/2”L x 2”W x 2-1/2”H
- Center Distance: 50mm (2”)
- Accuracy: .01mm (.0004”)





Order No.	Price
NP55AP50	Price

DESMOND®

Diamond Nib Holder

Model DH-15



- Designed for use on surface grinders
- Holds nibs at 15° angle
- Base size 2-1/2″ x 6″
- Attaches to magnetic grinder table
- Sold without diamond dressing tool

Description	Order No.	Price
Diamond Nib Holder	**LG5046500**	Price
1/4 Ct. Diamond Nib - 7/16 x 3"	**MN45ED025B**	Price

Optical Radius Dresser

NIB holders accept 1/8 SK (MN50P01) or 1/4 SK (MN50P02) Diamond NIB.

- Fixed focus lens (3X)
- Wheel form grinding done easily and accurately
- Radius and angle can be done perfectly tangent
- Reduces the chances of using damaged diamonds
- Gage block setting
- Compact design



Specifications:

- Maximum wheel diameter: 8”
- Convex radii: 1/2”
- Concave radii: 1”
- Dressing angle: 90° - 0° - ° (1° INC)
- Tangential Travel: 0.89” (Either side of center)
- Center Height: 2.5”

Dimensions:

- Mounting surface 3.27 x 1.87”
- Overall length: 8.39”
- Overall height: 3.94”
- Center height: 2.5”
- Weight: 7.7 lbs

Order No.	Price
NP55SD1	Price

Diamond NIB not included

SURF PRO®

Brake Controlled Truing Device

For Diamond and CBN Wheels



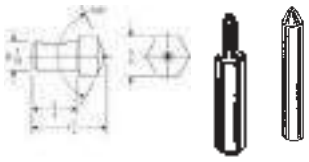
- Designed for truing diamond and CBN wheels rapidly and with minimum loss of diamond
- Ideal for straight wheels with diamond in the periphery, cut-off wheels, internal grinding wheels and cup wheels with diamond in the rim
- Easy to operate
- Rotate the truing wheel and make contact with diamond/CBN wheel
- Oscillate the unit and truing wheel across face of wheel being trued using machine cross-slide

Specification	Order No.	Price
Model DT100 Turing Device	**NP55DT100**	Price
Replacement Wheel for Model DT100	**MG753100**	Price

General Purpose Diamond Dressing Tools

Single Point Tools For Truing/Dressing Conventional Abrasives
Features:

- Consistent diamond structure and shape for repeatable dressing performance
- Well defined diamond point



Non-resettable BC Single and Phono Point Tools:

- The best selection when a resetting program is not feasible or low initial cost is the primary consideration

Non-resettable BC Indexable single Point Tools:

- These tools contain specially selected diamonds for durability and maximum cost effectiveness

Specialty Diamond Tools Concave Radii:

- This type of dressing is generally done in toolrooms using dressing mechanisms to form an exact concave or convex radius. Non-resettable



Type - Single Point Diamond Nibs						
Tool No.	Carat Weight (in.)	Shank Dia. (in.)	Shank Length (in.)	For Wheel Dia.	Order No.	Price
BC-2	1/4	3/8	2	Up to 7"	**MH63BC95000**	Price
BC-2	1/4	7/16	2	Up to 7"	**MH63BC95001**	Price
BC-3	1/3	3/8	2	8 to 10"	**MH63BC95002**	Price
BC-3	1/3	7/16	2	8 to 10"	**MH63BC95003**	Price
BC-5	1/2	3/8	2	11 to 14"	**MH63BC95004**	Price
BC-5	1/2	7/16	2	11 to 14"	**MH63BC95005**	Price
BC-7	3/4	3/8	2	15 to 21"	**MH63BC95006**	Price
BC-7	3/4	7/16	2	15 to 21"	**MH63BC95007**	Price
BC-10	1	3/8	2	21" and up	**MH63BC1095008**	Price
BC-10	1	7/16	2	21" and up	**MH63BC1095009**	Price

Type - U-Dex-It Diamond Nib						
Tool No.	Carat Weight (in.)	Shank Dia. (in.)	Shank Length (in.)	For Wheel Dia.	Order No.	Price
BCUD5	1/2	7/16	3/4	11 to 14"	**MH63BCUD95025**	Price

Phono Point Nib BCHD



Tool No.	Description	Order No.	Price
BCHD	10-1/2 long, hollow shaft, for off hand turning/dressing using any tool with shank length from 3/4-9". Collet chuck accepts only 7/16" dia. tool shank.	**MH63BCHD95020**	Price

Phono & Radius Point Nibs



Type - Phono Point Diamond Nibs						
Tool No.	Included Angle	Shank Dia. (in.)	Shank Length (in.)	For Wheel Dia.	Order No.	Price
BCPP-60	60	1/8	1	Up to 7"	**MH63BCPP6095017**	Price
BCPP-75	75	1/8	1	Up to 7"	**MH63BCPP7595018**	Price
BCPP-90	90	1/8	1	Up to 7"	**MH63BCPP9095019**	Price

Type - Radius Point Tool Nibs Concave Radii						
Tool No.	Included Angle	Shank Dia. (in.)	Shank Length (in.)	For Wheel Dia.	Order No.	Price
BCRD	60	3/8	2	Up to 7"	**MH63BCRD95016**	Price

SG Multi-Point Diamond Tools



- These diamonds are selected to withstand faster traverse rates and stand up to the tough SG abrasive

Shank Dia. (in.)	Shank Length (in.)	Diamond Description (in.)	Included Angle	Shape	Order No.	Price
7/16	1-13/16	3/8 Dia. x 1/4L	0	2R	**MH63SG1A95378**	Price
7/16	1-3/16	1/4 Dia. x 1/4L	0	1R	**MH63SG1A95377**	Price
7/16	3/4	1/4 x 1/2 x 3/8	0	2A	**MH63SG1A95375**	Price
7/16	3/4	1/4 x 3/4 x 5/16	0	1A	**MH63SG1A95373**	Price
7/16	3/4	1/4 x 3/4 x 5/16	15	1A	**MH63SG1A95374**	Price

SG Single Point Diamond Tools



Type - BCSG Disposable Single Point Diamond Tools				
Shank Dia. (in.)	Shank Length (in.)	Carat	Order No.	Price
3/8	2	1/2	**MH63BCSG557009**	Price
3/8	2	1/3	**MH63BCSG357008**	Price
3/8	2	1/4	**MH63BCSG257007**	Price
7/16	2	1	**MH63BCSG1057010**	Price
7/16	2	1/2	**MH63BCSG556907**	Price
7/16	2	1/3	**MH63BCSG356906**	Price
7/16	2	1/4	**MH63BCSG256905**	Price
7/16	2	3/4	**MH63BCSG756908**	Price

Type - SG Resettable Single Point Diamond Tools				
Shank Dia. (in.)	Shank Length (in.)	Carat	Order No.	Price
3/8	2	1/2	**MH63SG595369**	Price
3/8	2	1/3	**MH63SG395367**	Price
3/8	2	1/4	**MH63SG295365**	Price
3/8	2	3/4	**MH63SG795371**	Price
7/16	2	1/2	**MH63SG595370**	Price
7/16	2	1/3	**MH63SG395368**	Price
7/16	2	1/4	**MH63SG295366**	Price
7/16	2	3/4	**MH63SG795372**	Price

Multi-Point Nibs

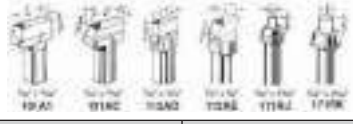




Tool No.	Diamond Size (in.)	Diamond Shape	Shank Dia. (in.)	Shank Length (in.)	For Wheel Dia.	Order No.	Price
BC-60	1/4 T x 3/4 W	1A	7/16	3/4	21" and up	**MH63BC6095010**	Price
BC-61	1/4 T x 3/4 W	1A	7/16	7/8	21" and up	**MH63BC6195011**	Price
BC-62	1/4 T x 1/2 W	2A	7/16	7/8	15 to 20"	**MH63BC6295012**	Price
BC-63	1/4 T x 1/2 W	2A	7/16	3/4	15 to 20"	**MH63BC6395013**	Price

Multi-Point Nib for Straight Face Dressing and Trueing

- 101 Style - Centerless, Cylindrical and Surface Grinders. For ginding wheels 20" x 3" and larger. Straight traverse trueing
- 112 Style - Centerless, Cylindrical and Surface Grinders. For grinding wheels 12" x over 1" to 20" x 2-1/2". Straight traverse trueing
- 171 Style - For general tool room applications





Shk Dia. x Lgth (in.)	Order No.	Price
7/16 x 3/4	**MN50112AE**	Price
7/16 x 15/16	**MN50101AC**	Price
7/16 x 15/16	**MN50101A1**	Price
7/16 x 1-3/16	**MN50171RJ**	Price
7/16 x 1-3/16	**MN50171RK**	Price
7/16 x 1-1/4	**MN50112AD**	Price

SURF PRO® Economy Diamond Wheel Dressers



	3/8 x 3		7/16 x 3	
Carat Wt. (in.)	Order No.	Price	Order No.	Price
1/4	MN45ED025A	Price	MN45ED025B	Price
1/2	MN45ED050A	Price	MN45ED050B	Price
1	MN45ED100A	Price	MN45ED100B	Price
2	MN45ED200A	Price	MN45ED200B	Price
1-1/2	MN45ED150A	Price	MN45ED150B	Price

SURF PRO® Single Point Toolroom Diamond Dressers

Single Point Diamond Dressers



- For Surface Grinders
- Equal to Diamonds costing twice the price
- 7/16" Shank size shown in chart

	Generic USA		Quality Import	
Carat Wt. (in.)	Order No.	Price	Order No.	Price
1/4	MN50TD025P7†	Price	MN45TD0257†	Price
1/3	MN50TD033P7†	Price	MN45TD0337†	Price
1/2	MN50TD050P7†	Price	MN45TD0507†	Price
3/4	MN50TD075P7†	Price	MN45TD0757†	Price
1	MN50TD100P7†	Price	MN45TD1007†	Price
2	MN50TD200P7†	Price	MN45TD2007†	Price
3	MN50TD300P7†	Price	MN45TD3007†	Price
4	MN50TD400P7†	Price	MN45TD4007†	Price
5	MN50TD500P7†	Price	MN45TD5007†	Price
1-1/2	MN50TD150P7†	Price	MN45TD1507†	Price
2-1/2	MN50TD250P7†	Price	MN45TD2507†	Price

† Specify Shank Size: For 3/8" change last digit to (6), for 1/2" change to (8). all 6" Long

SURF PRO® Diamond Dressers with Knurled Body

1/2" dia. x 8" Long



- Equal to Diamonds costing twice the price

Carat Wt. (in.)	Order No.	Price
1/4	MN45KBD025	Price
1/2	MN45KBD050	Price
3/4	MN45KBD075	Price
1	MN45KBD100	Price

Carat Wt. (in.)	Order No.	Price
2	MN45KBD200	Price
3	MN45KBD300	Price
1-1/2	MN45KBD150	Price

Special Diamond Dressers

Premium Quality Diamond

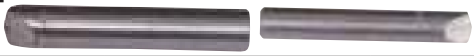


Large Norton Type:
- Shank - 7/16" x 1-1/2"
- Head - 5/8" x 5/8"

Cincinnati Type:
- Shank - 7/16" x 2"
- Head - 5/8" x 5/8"

	Cincinnati		Norton	
Carat Wt. (in.)	Order No.	Price	Order No.	Price
1/4	MN50C025	Price	MN50N025	Price
1/3	MN50C033	Price	MN50N033	Price
1/2	MN50C050	Price	MN50N050	Price
3/4	MN50C075	Price	MN50N075	Price
1	MN50C100	Price	MN50N100	Price
2	MN50C200	Price	MN50N200	Price
3	MN50C300	Price	MN50N300	Price
1-1/2	MN50C150	Price	MN50N150	Price
3-1/2	MN50C350	Price	MN50N350	Price

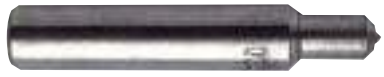
Natural & Lapped Chisels For Your Radius Dresses



	Lapped		Natural	
Size (in.)	Order No.	Price	Order No.	Price
3/8 x 2-1/2	MN50LC01	Price	MN50NC01	Price
7/16 x 2-1/2	MN50LC02	Price	MN50NC02	Price

Radius Forming Diamond Tools

3/8 x 2" Shanks Convex Radii



Type - Convex Radii Diamond Tool		
Radius (in.)	Order No.	Price
.020-.125	MN50MR2	Price
.025-.250	MN50MR4	Price
.250 and up	MN50MR6	Price

Type - Radius Forming Diamond Tools		
Radius (in.)	Order No.	Price
.010	MN50FR10	Price
.015	MN50FR15	Price
.020	MN50FR20	Price
.025	MN50FR25	Price
.032	MN50FR32	Price
.062	MN50FR62	Price

Coned Wheel Dressers

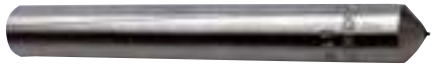
90° Standard Angle



- 7/16" Shank shown in chart
- For 3/8" Shank change last digit in part number to (6)

Carat Wt. (in.)	Order No.	Price
1/4	MN50CWD0257	Price
1/3	MN50CWD0337	Price
1/2	MN50CWD0507	Price

Ball Point Plunge Dressers



- Std. Tolerance ±.001
- **Shank size 3/8" x 3"**

Radius (in.)	Order No.	Price
.010	MN50307010	Price
.015	MN50307015	Price
.020	MN50307020	Price
.025	MN50307025	Price
.031	MN50307031	Price
.062	MN50307062	Price

See index for other dressing tools.

Phono Points

90° Standard Angle



Size (in.)	Order No.	Price
1/8 x 1	MN50P01	Price
1/4 x 1-1/2	MN50P02	Price

Thread-Grinding Diamond Tools

60° Standard Angle



Size (in.)	Order No.	Price
1/4 x 1	MN50TG0160	Price
1/4 x 1-1/4	MN50TG0260	Price
1/4 x 1-1/2	MN50TG0360	Price
3/8 x 1-5/8	MN50TG0460	Price

Standard & Special Diamond Dressers Not Shown Quickly Supplied.

Cluster Tools



- 7/16" Shank shown in chart
- For 3/8" Shank change last digit of part number to (6), for 1/2" change to (8)

Carat Wt. (in.)	Order No.	Price
1	MN50CT1007	Price
2	MN50CT2007	Price

Aluminum Oxide Dressing Sticks – Square



Features:
- The best choice for achieving maximum performance from your diamond and CBN wheels
- Selected sticks are used for tuning and dressing vitrified wheels

Aluminum Oxide – (white)

Features:
- Designed for dressing CBN wheels, these sticks also work well for diamond wheels

Width (in.)	Thickness (in.)	Length (in.)	Specifications	Standard Pack	Order No.	Price
1/2	1/2	4	38A220-HVBE	10	**MH64T5410555**	Price
1/2	1/2	6	38A220-HVBE	10	**MH64T5410103**	Price
3/4	3/4	4	38A150-HVBE	10	**MH64T5410291**	Price
3/4	3/4	4	38A150-IVBE	10	**MH64T5410368**	Price
3/4	3/4	4	38A220-HVBE	10	**MH64T5410290**	Price
3/4	3/4	4	38A60-LVBE	10	**MH64T5410440**	Price
3/4	3/4	4	38A80-MVBE	10	**MH64T5410362**	Price
3/4	3/4	8	38A220-HVBE	10	**MH64T5410280**	Price
1	1	6	38A150-HVBE	10	**MH64T5410405**	Price
1	1	6	38A150-IVBE	10	**MH64T5410453**	Price
1	1	6	38A220-HVBE	10	**MH64T5410406**	Price
1	1	8	38A120-IVBE	10	**MH64T5410390**	Price
1	1	8	38A150-IVBE	10	**MH64T5410455**	Price

Silicon Carbide Dressing Sticks – Square & Round

Features:
- Course grit (24 and coarser) and hand-grade (Rand harder) sticks used for dressing conventional vitrified wheels for bench and pedestal offhand grinders
- Finer grit and softer grades are used for dressing diamond wheels
- Color: black





Type - Round Wheel Dressing Stick					
Width (in.)	Length (in.)	Specifications	Standard Pack	Order No.	Price
1/2	6	37C24-SVK	10	**MH64T5410371**	Price

Type - Square Wheel Dressing Stick					
Width (in.)	Length (in.)	Specifications	Standard Pack	Order No.	Price
1/2	6	37C100-LV	10	**MH64T5410201**	Price
1/2	6	37C150-KV	10	**MH64T5410205**	Price
1/2	6	37C150-LV	10	**MH64T5410206**	Price
1/2	6	37C150-MV	10	**MH64T5410207**	Price
1/2	6	37C220-KV	10	**MH64T5410214**	Price
1/2	6	37C24-SVK	10	**MH64T5410285**	Price
3/4	6	37C150-LV	10	**MH64T5410375**	Price
1	6	37C150-KV	10	**MH64T5410438**	Price
1	6	37C20-SVK	10	**MH64T5410459**	Price
1	6	37C220-KV	10	**MH64T5410398**	Price
1	6	37C24-SVK	10	**MH64T5410462**	Price
1	6	37C24-TVK	10	**MH64T5410354**	Price
1	6	37C46-RVK	10	**MH64T5410466**	Price
1	6	37C80-NV	10	**MH64T5410393**	Price
1	8	37C20-SVK	10	**MH64T5410469**	Price
1	8	37C24-SVK	10	**MH64T5410471**	Price
2	8	37C16-TVK	10	**MH64T5410482**	Price
2	8	37C24-SVK	10	**MH64T5410490**	Price
2	8	37C24-TVK	10	**MH64T5410485**	Price

Boron Carbide Dressing Stick

- Molded without bond from Boron carbide
- These sticks are recommended for dressing tool grinding wheels up to 10 inch diameter, grade M or softer
- Boron carbide provides a long lasting dressing tool



Thickness (in.)	Width (in.)	Length (in.)	Order No.	Price
3/16	1/2	3	**MJ55BC1**	Price

Norbide Carbide Stick

Norbide – The hardest stick

Features:
- Made from boron nitride, these sticks work best for offhand truing and dressing of medium grit, medium and soft-grade vitrified grinding wheels



Thickness (in.)	Width (in.)	Length (in.)	Material	Order No.	Price
3/16	1/2	3	Norbide Stick	**MH64T5410148**	Price

Wheel Dresser Sticks

- The most rapid, economical way to dress grinding wheel faces or profiles
- Premium Grit & Bond



Width (in.)	Thickness (in.)	Length (in.)	Order No.	Price
1	1	6	**MJ55116**	Price
1	1	8	**MJ55118**	Price

Abrasive Wheel Dresser

Dressing Sticks for Wheel Dressing Needs

Type - Abrasive Wheel Dressers				
Description	Abrasive Type	Size (in.)	Order No.	Price
Dresser Holder with Dressing Stick	Aluminum Oxide	6 x 1/2 Round	**ML6555**	Price
Replacement Tip for 55 Dresser	Aluminum Oxide	6 x 1/2 Round	**ML6556**	Price

Type - Diamond & CBN Wheel Dressers				
Description	Abrasive Type	Size (in.)	Order No.	Price
Dressing & Truing Stick	Aluminum Oxide	4 x 3/4 x 3/4	**ML65349**	Price
Dressing & Truing Stick	Silicon Carbide	4 x 3/4 x 3/4	**ML65366**	Price

Type - Dressing & Truing Stick for Diamond & CBN Wheels				
Description	Abrasive Type	Size (in.)	Order No.	Price
Dressing & Truing Stick	Aluminum Oxide	3/8 x 3/8 x 4	**ML65AA438**	Price

DESMOND® Huntington Pattern Hooded Grinding Wheel Dressers

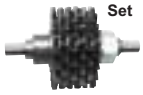
- For fast dressing on all types of grinding wheels
- Designed for dressing, truing, sharpening, and removing glaze from solid abrasive wheels
- Cutters have star-shaped teeth that expose new grains and provide a fresh unloaded surface on wheels
- Made of hardened high carbon steel
- Fulfill most general dressing needs where fast dressing is the primary requirement



Wheel Dia. (in.)	Face Width (in.)	Weight (lbs.)	Order No.	Price
Up to 10"	2	2	**LG500**	Price
10 to 16"	3	2-1/2	**LG501**	Price
16 to 36"	3-1/2	5-1/2	**LG502**	Price

DESMOND® Heavy Duty Dressers

- For use on coarse, large, high speed grinding wheels
- New design permits quick cutter change by operator
- Full length foot rest guides dresser evenly over rough edged tool rests
- Cutter unit is fully shielded
- Cutters mounted at an angle to provide a shearing and picking action on the Order No. LG50-58 dresser
- Both cutter units revolve on sealed, dust protected ball bearings enabling them to keep up with high speed wheels





Wheel Size	Type	Order No.	Price
16 to 30"	Heavy Duty Wheel Dresser	**LG5058**	Price
Up to 16"	Heavy Duty Wheel Dresser	**LG5055**	Price
16 to 30"	Heavy Duty Wheel Dresser Replacement Cutter Set	**LG5058X**	Price
Up to 16"	Huntington Dresser Replacement Cutter Set	**LG5055X**	Price

DESMOND® Desmond MP

- Mounted Points can be restored to their original shape or changed in seconds while removing the grinding load with the MP Dresser



Description	Order No.	Price
Complete Unit	**LG50MP**	Price
Set Extra Cutters	**LG50MPX**	Price

DESMOND® Desmond Duplex

- For portable grinders–restores surface of straight-faced wheels from 4″ to 8″ in diameter
- Bolt dresser to your work bench, cradle the revolving wheel between the two cutter heads, and in moments the worn wheel face is clean, sharp, straight and true



Description	Order No.	Price
Complete Unit	**LG50DD**	Price
Sets Extra Cutter (2 Units)	**LG50DDX**	Price

DESMOND® Desmond Snagging Cup Wheel Dressers

- Ideal for squaring cups to original straight face
- Restores cutting action of wheel
- Can be mounted near grinding area
- Available in regular and heavy-duty size cutters



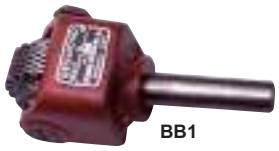
Description	Order No.	Price
Heavy Duty Size	**LG5018310**	Price
Regular Size	**LG5018210**	Price
Replacement Cutters	**LG5018220**	Price
HD Replacement Cutters	**LG5018320**	Price

DESMOND® Ball Bearing Grinding Wheel Dressers

- For precision dressing where extremely accurate finish is required
- May reduce or eliminate need for diamond dressing

Surface Grinder:

- For surface grinders and tables of vertical spindle grinders
- Head is attached to 5” x 3” steel plate





Type	Order No.	Price
Complete cutter unit with 3/4" Shank	**LG50BB1**	Price
Extra cutter unit	**LG50BB10**	Price
Individual loose cutter	**LG50BB14**	Price
Straight shank — For cylindrical, roll, and vertical spindle grinders. Straight shank is 3/4″ diameter x 2-3/4″ long	**LG50BB4**	Price

DESMOND® Extra Cutter Sets for Huntington Dressers



Dia. (in.)	Face Width (in.)	Weight (lbs.)	Order No.	Price
1-1/4	.426	1	**LG500X**	Price
1-1/2	.432	1-1/4	**LG501X**	Price
2-3/8	.830	6-1/2	**LG502X**	Price

DESMOND® Mini Crackerjack Dresser

- Provides a smooth surface on fine to medium grit grinding wheels up to 6″ in diameter



Type	Order No.	Price
Mini Crackerjack Wheel Dresser	**LG5025510**	Price
Mini Crackerjack Wheel Dresser Replacement Cutter Set	**LG5025520**	Price

DESMOND® Diamond Nib Holder

- Holder securely holds any 7/16″ diameter diamond nib
- Hollow steel tube with an adjustable collet holds single or grit diamond nibs
- Precision machine nibs can be further recycled and used
- Diamond nib not included



Order No.	Price
LG5022510	Price

Diamond and CBN Toolroom Grinding Wheels



- "99" line of quality stock diamond and CBN grinding wheels are pre-engineered for optimal performance
- Can be used wet or dry on most tool making or resharpening applications



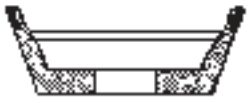
Type - Diamond Cut-Off Wheel (Type 1A1R)

Dia. (in.)	Width (in.)	Hole Size (in.)	Depth (in.)	Spec.	Order No.	Price
4	1/32	1-1/4	1/4	SD100S-R100 B99-1/4	**MH63W0492152**	Price
4	1/32	3/4	1/4	SD100S-R100 B99-1/4	**MH63W0492151**	Price
4	1/32	3/4	1/4	SD120S-R100 B99-1/4	**MH63W0491706**	Price
6	.035	1-1/4	1/4	ASD100S-R100 B99-1/4	**MH63W0692158**	Price
6	.035	1-1/4	1/4	SD 180-R100 B99-1/16	**MH63W0691858**	Price
6	.035	1-1/4	1/4	SD100-R75 B99-1/4	**MH63W0692155**	Price
6	.035	1-1/4	1/4	SD100S-R100 B99-1/4	**MH63W0692156**	Price
6	.035	1-1/4	1/4	SD120-R75 B99-1/4	**MH63W0691707**	Price
6	.035	1-1/4	1/4	SD220-R100 B99-1/4	**MH63W0692157**	Price
6	.035	1-1/4	9/32	ASD100SR100 B99-9/32	**MH63W0692164**	Price
6	.035	1-1/4	9/32	SD120-R100 B99-9/32	**MH63W0692161**	Price
6	.045	1-1/4	1/8	SD100-R50 B99-1/8	**MH63W0692166**	Price
6	1/32	1-1/4	1/8	SD220-R100 B99-1/8	**MH63W0692154**	Price
8	.045	1-1/4	1/4	SD120-R100 B99-1/4	**MH63W0892169**	Price
8	.045	5/8	1/4	SD120-R100 B99-1/4	**MH63W0892167**	Price



Type - Diamond Straight Wheel (Type 1A1)

Dia. (in.)	Width (in.)	Hole Size (in.)	Depth (in.)	Spec.	Order No.	Price
4	1/16	1-1/4	1/8	SD220-R100 B99-1/8	**MH63W0473586**	Price
4	1/4	1-1/4	1/8	SD150-R100 B99-1/8	**MH63W0473589**	Price
4	1/4	3/4	1/4	SD150-R100 B99-1/4	**MH63W0473592**	Price
4	1/8	1-1/4	1/8	SD150-R100 B99-1/8	**MH63W0491677**	Price
6	1/16	1-1/4	1/8	SD100-R100 B99-1/8	**MH63W0673596**	Price
6	1/16	1-1/4	1/8	SD150-R100 B99-1/8	**MH63W0673597**	Price
6	1/2	1-1/4	1/8	SD150-R100 B99-1/8	**MH63W0691699**	Price
6	1/4	1-1/4	1/8	ASD120-R75 B99-1/8	**MH63W0691689**	Price
6	1/4	1-1/4	1/8	SD120-R100 B99-1/8	**MH63W0691691**	Price
6	1/4	1-1/4	1/8	SD150-R100 B99-1/8	**MH63W0691692**	Price
6	1/4	1-1/4	1/8	SD180-R100 B99-1/8	**MH63W0691693**	Price
6	1/4	1-1/4	1/8	SD220-R100 B99-1/8	**MH63W0691694**	Price
6	1/8	1-1/4	1/8	SD180-R100 B99-1/8	**MH63W0673614**	Price
7	1/2	1-1/4	1/8	ASD100-R75 B99-1/8	**MH63W0792211**	Price
7	1/2	1-1/4	1/8	ASD150-R75 B99-1/8	**MH63W0791853**	Price
7	1/2	1-1/4	1/8	SD180-R100 B99-1/8	**MH63W0791856**	Price
7	1/2	1-1/4	1/8	SD220-R100 B99-1/8	**MH63W0791857**	Price
7	1/4	1-1/4	1/8	ASD150-R75 B99-1/8	**MH63W0791701**	Price
7	1/4	1-1/4	1/8	SD100S-R100 B99-1/8	**MH63W0792210**	Price
7	1/4	1-1/4	1/8	SD220-R100 B99-1/8	**MH63W0791705**	Price
7	3/8	1-1/4	1/8	SD120-R100 B99-1/8	**MH63W0791849**	Price
7	3/8	1-1/4	1/8	SD220-R100 B99-1/8	**MH63W0791852**	Price
10	.050	1-1/4	1/4	CD100-R100 B99-1/4	**MH63W1092815**	Price
10	1/2	3	1/8	ASD120-R75 B99-1/8	**MH63W1092305**	Price
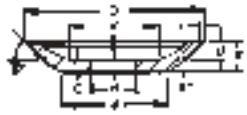


Type - Diamond Flaring Cup Wheel (Type 11V9)

Dia. (in.)	Width (in.)	Hole Size (in.)	Depth (in.)	Spec.	Order No.	Price
3-3/4	1-1/2	1-1/4	1/16	ASD 150-R75 B99-1/16	**MH63W0391725**	Price
3-3/4	1-1/2	1-1/4	1/8	ASD 100-R75 B99-1/8	**MH63W0391653**	Price
3-3/4	1-1/2	1-1/4	1/8	ASD 120-R75 B105-1/8	**MH63W0391909**	Price
3-3/4	1-1/2	1-1/4	1/8	ASD 120-R75 B99-1/8	**MH63W0391660**	Price
3-3/4	1-1/2	1-1/4	1/8	ASD 150-R75 B99-1/8	**MH63W0391651**	Price
3-3/4	1-1/2	1-1/4	1/8	ASD 180-R75 B99-1/8	**MH63W0391650**	Price
3-3/4	1-1/2	1-1/4	1/8	SD220-R100 B99-1/8	**MH63W0391646**	Price
5	1-3/4	1-1/4	1/16	ASD 120-R75 B99-1/16	**MH63W0591644**	Price
5	1-3/4	1-1/4	1/16	SD 180-R100 B99-1/16	**MH63W0591639**	Price

Type - Diamond Flaring Cup Wheel (Type 11V9)

Dia. (in.)	Width (in.)	Hole Size (in.)	Depth (in.)	Spec.	Order No.	Price
5	1-3/4	1-1/4	1/8	ASD 120-R75 B99-1/8	**MH63W0591636**	Price
5	1-3/4	1-1/4	1/8	ASD 150-R75 B105-1/8	**MH63W0591918**	Price
5	1-3/4	1-1/4	1/8	ASD 150-R75 B99-1/8	**MH63W0591635**	Price
5	1-3/4	1-1/4	1/8	ASD 180-R75 B99-1/8	**MH63W0591634**	Price
5	1-3/4	1-1/4	1/8	SD 150-R100 B99-1/8	**MH63W0591632**	Price
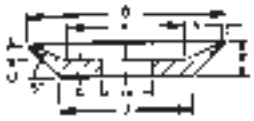


Type - CBN Flaring Cup Wheel (Type 11V9)

Dia. (in.)	Width (in.)	Hole Size (in.)	Depth (in.)	Spec.	Order No.	Price
3-3/4	1-1/2	1-1/4	1/16	CB100-TB99-1/16	**MH63W0391719**	Price
3-3/4	1-1/2	1-1/4	1/8	CB100-TB99-1/8	**MH63W0391722**	Price
3-3/4	1-1/2	1-1/4	1/8	CB150-TB99-1/8	**MH63W0391724**	Price
5	1-3/4	1-1/4	1/16	CB150-TB99-1/16	**MH63W0592300**	Price



Type - Diamond Dish Wheel (Type 12A2)

Dia. (in.)	Width (in.)	Hole Size (in.)	Depth (in.)	Spec.	Order No.	Price
6	1	1-1/4	1/8	ASD120-R75 B99-1/8	**MH63W0691630**	Price



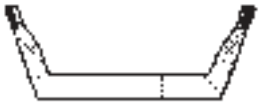
Type - Diamond Dish Wheel (Type12V9)

Dia. (in.)	Width (in.)	Hole Size (in.)	Depth (in.)	Spec.	Order No.	Price
4	1/2	1-1/4	1/8	SD180-R100 B99-1/8	**MH63W0491629**	Price



Type - Diamond Plain Cup Wheel (Type 6A2C)

Dia. (in.)	Width (in.)	Hole Size (in.)	Depth (in.)	Spec.	Order No.	Price
6	3/4	1-1/4	1/16	ASD120-P75B99-1/16	**MH63W0691860**	Price
6	3/4	1-1/4	1/16	SD150-P50V99-1/16	**MH63W0692217**	Price
6	3/4	1-1/4	1/8	ASD120-P75B99-1/8	**MH63W0692786**	Price
6	3/4	1-1/4	1/8	SD220-P50V99-1/8	**MH63W0691623**	Price



Type - Diamond Dish Wheel (Type 15V9)

Dia. (in.)	Width (in.)	Hole Size (in.)	Depth (in.)	Spec.	Order No.	Price
6	3/4	1-1/4	1/16	SD150-R100 B99-1/16	**MH63W0692230**	Price

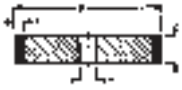
SURF PRO® Diamond Straight Wheels - 75 Concentration

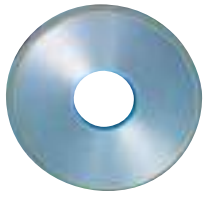
MADE IN THE USA

Resin Bond for Grinding Carbide — Type 1A1 — Straight Wheel

75 Concentration — 1/8" Diamond Depth For Economical Grinding and Long Life

- 100 Grit for chip breaker
- 120 Grit for general purpose
- 150 Grit for semi finish
- For wet or dry application





			120		150	
Dia. (in.)	Width (in.)	Hole Size (in.)	Order No.	Price	Order No.	Price
6	1/2	1-1/4	**MP501204735**	Price	**MP501204745**	Price
6	1/4	1-1/4	**MP501204535**	Price	**MP501204545**	Price
6	1/8	1-1/4	**MP501204435**	Price	**MP501204445**	Price
6	3/8	1-1/4	**MP501204635**	Price	**MP501204645**	Price
7	1/2	1-1/4	**MP501205235**	Price	**-**	-
7	1/4	1-1/4	**MP501205035**	Price	**-**	-
7	3/8	1-1/4	**MP501205135**	Price	**MP501205145**	Price

DESMOND® Angle Dressers

- Economic alternative to the brake truing device
- Conditions & dresses diamond & CBN wheels on surface grinders
- Accuracy provided by sealed ball bearings
- For 100 grit or coarser wheel
- Bolts to table or holds on magnetic chuck

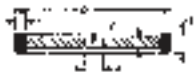


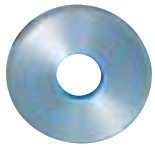
Type	Order No.	Price
Angle Dresser Replacement Wheel	**LG5046220**	Price
Angle Wheel Dresser	**LG5046200**	Price

Diamond Cut-off Wheels

MADE IN THE USA

- Type 1A1R – Relieve center resin bond – 1/4" Diamond depth 100 concentration – Long life





			100		150	
Dia. (in.)	Width (in.)	Hole Size (in.)	Order No.	Price	Order No.	Price
4	.035	1-1/4	**MP501807529**	Price	**MP501807549**	Price
6	.035	1-1/4	**MP501807829**	Price	**MP501807849**	Price
6	.045	1-1/4	**MP501807929**	Price	**MP501807949**	Price

SURF PRO® Diamond Straight Wheels - 100 Concentration

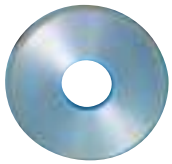
Resin Bond for Grinding Carbide — Type 1A1 — Straight Wheel

100 Concentration — 1/8" Diamond Depth for Aggressive Action — Long Life

- 100 Grit for chip breaker
- 120 Grit for general purpose
- 150 Grit for semi finish
- For wet or dry application

MADE IN THE USA





			100		120		150	
Dia. (in.)	Width (in.)	Hole Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price
4	1/16	1-1/4	**MP501203128**	Price	**MP501203138**	Price	**MP501203148**	Price
4	1/4	1-1/4	**MP501203328**	Price	**MP501203338**	Price	**MP501203348**	Price
4	1/8	1-1/4	**MP501203228**	Price	**MP501203238**	Price	**MP501203248**	Price
5	1/16	1-1/4	**MP501203728**	Price	**-**	-	**MP501203748**	Price
5	1/4	1-1/4	**-**	-	**MP501203938**	Price	**MP501203948**	Price
5	1/8	1-1/4	**MP501203828**	Price	**MP501203838**	Price	**MP501203848**	Price
6	1/16	1-1/4	**MP501204328**	Price	**MP501204338**	Price	**MP501204348**	Price
6	1/2	1-1/4	**MP501204728**	Price	**MP501204738**	Price	**MP501204748**	Price
6	1/4	1-1/4	**MP501204528**	Price	**MP501204538**	Price	**MP501204548**	Price
6	1/8	1-1/4	**-**	-	**MP501204438**	Price	**MP501204448**	Price
6	3/8	1-1/4	**MP501204628**	Price	**MP501204638**	Price	**MP501204648**	Price
7	1/2	1-1/4	**MP501205228**	Price	**MP501205238**	Price	**MP501205248**	Price
7	1/4	1-1/4	**MP501205028**	Price	**MP501205038**	Price	**MP501205048**	Price
7	1/8	1-1/4	**MP501204928**	Price	**-**	-	**MP501204948**	Price
7	3/8	1-1/4	**-**	-	**MP501205138**	Price	**MP501205148**	Price

NORTON Diamond Saw Blades

Segmented:

- Most aggressive cutting action for general purpose and masonry
- Use when cutting speed and productivity are more important
- Best life, best cut rate, good finish

Turbo:

- Aggressive cutting action with a smoother quality of cut
- For use on harder materials, such as granite, marble and stone, to reduce chipping
- Better life, better cut rate, better finish

Spec. - Continous Rim for Tile-Wet			
Size (in.)	Note	Order No.	Price
4 x .060 x 20mm	Bushed to 5/8"	**MH63W0402793**	Price
4-1/2 x .060 x 5/8	Bushed to 5/8"	**MH63W4501194**	Price
7 x .090 x DM-5/8	Bushed to 5/8"	**MH63W0702788**	Price
8 x .060 x 5/8	-	**MH63W0802785**	Price

Spec. - Continous Rim Turbo - Dry 300 x Life			
Size (in.)	Note	Order No.	Price
4 x .080 x 7/8 - 5/8	Bushed to 5/8"	**MH63W0405475**	Price
4-1/2 x .080 x 7/8	Bushed to 5/8"	**MH63W4504023**	Price
7 x .080 x DM-5/8	Bushed to 5/8"	**MH63W0704022**	Price

Continous:

- Provides the smoothest of cuts. Best performance when used wet
- Use on porcelain, tile, marble and other hard materials requiring a high quality cut
- Good life, good cut rate, best finish

Segmented Cup:

- Use segmented rim cup wheels on angle grinders for material removal and resurfacing of concrete



Spec. - Segmented Rim - Dry 300 x Life			
Size (in.)	Note	Order No.	Price
4-1/2 x .080 x 7/8	Bushed to 5/8"	**MH63W4504021**	Price
7 x .080 x DM-5/8	Bushed to 5/8"	**MH63W0704020**	Price
10 x .060 x 5/8	-	**MH63W1004019**	Price
12 x .110 x 20 mm/1	Bushed to 5/8"	**MH63W1264503**	Price
14 x .110 x 20mm/1	Bushed to 5/8"	**MH63W1456267†**	Price
16 x .125 x 20mm/1	Bushed to 5/8"	**MH63W1601230†**	Price

Spec. - Wet Continuous Rim			
Size (in.)	Note	Order No.	Price
10 x .060 x 5/8	-	**MH63W1002784**	Price

† Asphalt, Wet/Dry

SURF PRO® Diamond Flaring Cup — Type 11V9

Resin Bond Diamond on Periphery & Face For Tool & Cutter Grinders

- Any Grit Size, Concentration or Diamond Depth Not Shown — Ask for a Quotation

MADE IN THE USA



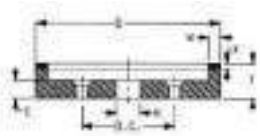


					100		120		150	
Dia. (in.)	Width (in.)	Hole Size (in.)	Concentration	Depth (in.)	Order No.	Price	Order No.	Price	Order No.	Price
3-3/4	1-1/2	1-1/4	100	1/16	**MP5011500227**	Price	-	-	-	-
3-3/4	1-1/2	1-1/4	100	1/8	-	-	**MP5011500238**	Price	**MP5011500248**	Price
3-3/4	1-1/2	1-1/4	75	1/8	-	-	**MP5011500235**	Price	**MP5011500245**	Price
5	1-3/4	1-1/4	100	1/8	**MP5011500328**	Price	**MP5011500338**	Price	**MP5011500348**	Price
5	1-3/4	1-1/4	75	1/8	-	-	**MP5011500335**	Price	**MP5011500345**	Price

SURF PRO® Diamond Face Wheels — Type 62AC

Resin Bond — Plate Mounted

- Any Grit Size, Concentration or Diamond Depth Not Shown — Ask for a Quotation



MADE IN THE USA

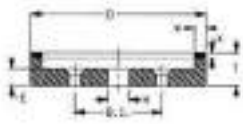


						120		150		220	
Rim (in.)	Dia. (in.)	Width (in.)	Hole Size (in.)	Concentration	Depth (in.)	Order No.	Price	Order No.	Price	Order No.	Price
3/8	6	3/4	1-1/4	100	1/16	**MP506180137**	Price	**MP506180147**	Price	-	-
3/8	6	3/4	1-1/4	100	1/8	**MP506180138**	Price	-	-	-	-
3/8	6	3/4	1-1/4	50	1/8	**MP506180132**	Price	**MP506180142**	Price	-	-
1/2	6	3/4	1-1/4	100	1/16	-	-	**MP506180247**	Price	-	-
1/2	6	3/4	1-1/4	100	1/8	**MP506180238**	Price	-	-	-	-
1/2	6	3/4	1-1/4	50	1/8	**MP506180232**	Price	-	-	-	-
3/4	6	3/4	1-1/4	100	1/16	**MP506180337**	Price	**MP506180347**	Price	**MP506180367**	Price
3/4	6	3/4	1-1/4	100	1/8	**MP506180338**	Price	**MP506180348**	Price	**MP506180368**	Price
3/4	6	3/4	1-1/4	75	1/8	**MP506180335**	Price	**MP506180345**	Price	**MP506180365**	Price

SURF PRO® Type 62AC for Baldor Grinder

- Any Grit Size, Concentration or Diamond Depth Not Shown — Ask for a Quotation

MADE IN THE USA





					120		150	
Dia. (in.)	Width (in.)	Hole Size (in.)	Concentration	Depth (in.)	Order No.	Price	Order No.	Price
6	1	1-1/4	100	1/16	**MP506180537**	Price	**MP506180547**	Price
6	1	1-1/4	100	1/8	**MP506180538**	Price	**MP506180548**	Price

Dressing Sticks for Diamond & CBN Resin Bond Wheels

- Use for achieving maximum performance from diamond and CBN wheels
- Made of premium white aluminum oxide abrasive



Size (in.)	Grit	Order No.	Price
3/8 x 3/8 x 4	-	**ML65AA438**	Price
1/2 x 1/2 x 4	150 Grit	**MP50DS01**	Price
1/2 x 1/2 x 4	220 Grit	**MP50DS02**	Price
3/4 x 3/4 x 4	150 Grit	**MP50DS03**	Price
3/4 x 3/4 x 4	220 Grit	**MP50DS04**	Price
1 x 1 x 6	150 Grit	**MP50DS05**	Price
1 x 1 x 6	220 Grit	**MP50DS06**	Price
1/2 x 1/2 x 4 (12pc)	150 Grit	**MP50DS12**	Price

SURF PRO® Brake Controlled Truing Device

For Diamond and CBN Wheels

- Designed for truing diamond and CBN wheels rapidly and with minimum loss of diamond
- Ideal for straight wheels with diamond in the periphery, cut-off wheels, internal grinding wheels and cup wheels with diamond in the rim
- Easy to operate
- Rotate the truing wheel and make contact with diamond/CBN wheel
- Oscillate the unit and truing wheel across face of wheel being trued using machine cross-slide



Specification	Order No.	Price
Model DT100 Turing Device	**NP55DT100**	Price
Replacement Wheel for Model DT100	**MG753100**	Price

3M Diamond Resin Bond Cut-off Wheels

- Diamond particles in a resin bond matrix offer high cut rates in wet or dry grinding applications on materials such as carbides, ceramics and non-ferrous metals

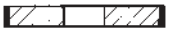


Size (in.)	Spec.	Order No.	Price
4 x 1/32 x 1-1/4	GD120 R100 PS X =1/4	**TM0220732**	Price
6 x .035 x 1-1/4	CGD120 R100 PS X =1/4	**TM0220734**	Price
6 x .035 x 1-1/4	GD220 R100 PS X =1/4	**TM0220733**	Price

3M Diamond Resin Bond Wheels

- Diamond particles in a resin bond matrix offer high cut rates in wet or dry grinding applications on materials such as carbides, ceramics and non-ferrous metals



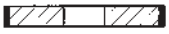


Size (in.)	Spec.	Order No.	Price
4 x 1/16 x 1-1/4	GD150 R100 PS X =1/4	**TM0220713**	Price
6 x 1/4 x 1-1/4	GD150 R100 PS X =1/4	**TM0220720**	Price
6 x 1/8 x 1-1/4	GD150 R100 PS X =1/4	**TM0220717**	Price
7 x 1/2 x 1-1/4	CGD120 R75 PS X =1/8	**TM0220727**	Price
7 x 1/4 x 1-1/4	GD150 R100 PS X =1/4	**TM0220724**	Price

3M Diamond Resin Bond Die Grinding Wheels

- Diamond particles in a resin bond matrix offer high cut rates and good abrasive life in die grinding applications

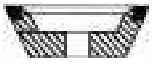




Size (in.)	Spec.	Order No.	Price
4 x 1/4 x 1-1/4	D100 R100B X=1/4	**TM0220814**	Price
5 x 1/2 x 1-1/4	D100 R100B X=1/4	**TM0220810**	Price
5 x 1/4 x 1-1/4	D100 R100B X=1/4	**TM0220811**	Price

3M Diamond Resin Bond Cup Wheels





Size (in.)	Spec.	Order No.	Price
3-3/4 x 1-1/2 x 1-1/4	GD100 R100 PS X =1/8	**TM0220738**	Price
5 x 1-3/4 x 1-1/4	CGD100 R75 PS X =1/8	**TM0220744**	Price

3M CBN Resin Bond Cup Wheels

- CBN particles in a resin bond matrix offer high cut rates in wet applications for cup wheels, grinding materials such as hardened steels and super alloys





Size (in.)	Spec.	Order No.	Price
3-3/4 x 1-1/2 x 1-1/4	CB100 R75 PS X=1/8	**TM0220747**	Price

SURF PRO Flaring Cup Wheels Resinoid Bond Diamond



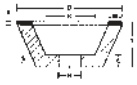
- Abrasive in rim
- 150 Grit
- 100 Concentration
- 1/8" Abrasive depth
- Type 11A2

MADE IN THE USA

Dia. (in.)	X-Depth (in.)	Thick. (in.)	W Rim (in.)	Hole (in.)	Order No.	Price
3	1/8	7/8	3/8	1-1/4	**MP50111001**	Price
4	1/8	1-1/4	1/2	1-1/4	**MP50111004**	Price
5	1/8	1-3/4	3/8	1-1/4	**MP50111005**	Price

SURF PRO Flaring Cup Wheels Resinoid Bond CBN Wheel





- Abrasive in rim
- 150 Grit
- 100 Concentration
- 1/8" Abrasive depth
- Type 11A2

MADE IN THE USA

Dia. (in.)	X Depth (in.)	Thick. (in.)	W Rim (in.)	Hole (in.)	Order No.	Price
3	1/8	7/8	3/8	1-1/4	**MP55111001**	Price
4	1/8	1-1/4	1/2	1-1/4	**MP55111004**	Price

SURF PRO Diamond Dish Wheels Resinoid Bond





- Abrasive in rim
- 150 Grit
- 100 Concentration
- 1/8" Abrasive depth
- Type D12A2

MADE IN THE USA

Wheel Specifications:

- X - Abrasive depth - 1/8"
- D - Diameter - 6"
- T - Thickness - 1"
- B - Dish angle - 30°
- H - Hole - 1-1/4"

W Rim (in.)	Order No.	Price
1/4	**MP50121004**	Price
3/8	**MP50121005**	Price
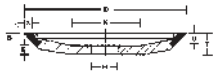
SURF PRO Diamond Dish Wheels Resinoid Bond Abrasive in Periphery

Wheel Specifications:

- 150 Grit
- 100 Concentration
- D - Diameter - 6"
- X - Abrasive depth - 1/8"
- T - Wheel thickness - 3/4"
- K - Inside flat dia. - 3-1/8"
- B - 45° Dish angle
- H - Hole size - 1-1/4"
- U - Insert length - 1/4"
- Type 15V9



MADE IN THE USA



Order No.	Price
MP50155001	Price

SURF PRO Diamond Wheel - Resinoid Bond For Foley-Type Grinder





- 150 Grit
- 100 Concentration
- 1/8" Abrasive depth
- Type 4A2
- Wheel size: 6 x 1/2 x 1-1/4"
- Dimensions: E = 3/8", J = 2-1/2", Z = 1/16", S = 11°

MADE IN THE USA

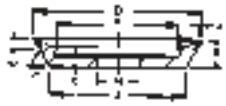
W Rim (in.)	Order No.	Price
1/4	**MP501160**	Price
3/8	**MP501170**	Price

SURF PRO CBN Flaring Cup — Type 11V9

Resin Bond for Tool & Cutter Grinding

MADE IN THE USA

- CBN wheels are ideal for grinding tough ferrous materials, cast iron, nickel and ferrous based alloys- RC50 or higher
- Good for tool and cutter grinding of high speed steels





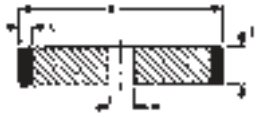
Depth (in.) - 1/16							
				120		150	
Dia. (in.)	Width (in.)	Hole Size (in.)	Concentration	Order No.	Price	Order No.	Price
5	1-3/4	1-1/4	100	**MP5511500337**	Price	**MP5511500347**	Price
3-3/4	1-1/2	1-1/4	100	**MP5511500237**	Price	**MP5511500247**	Price

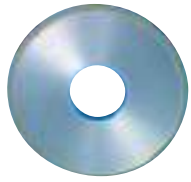
Depth (in.) - 1/8							
				120		150	
Dia. (in.)	Width (in.)	Hole Size (in.)	Concentration	Order No.	Price	Order No.	Price
5	1-3/4	1-1/4	100	**MP5511500338**	Price	**MP5511500348**	Price
3-3/4	1-1/2	1-1/4	100	**MP5511500238**	Price	**MP5511500248**	Price
3-3/4	1-1/2	1-1/4	75	**MP5511500235**	Price	**-**	-

SURF PRO CBN Straight Wheels — Type 1A1

Resin Bond — 100 Concentration

MADE IN THE USA





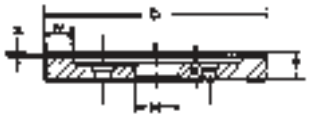
					120		150	
Dia. (in.)	Width (in.)	Hole Size (in.)	Depth (in.)	Concentration	Order No.	Price	Order No.	Price
4	1/16	1-1/4	1/8	100	**MP551203138**	Price	**MP551203148**	Price
4	1/4	1-1/4	1/16	100	**MP551203337**	Price	**-**	-
4	1/4	1-1/4	1/8	100	**MP551203338**	Price	**-**	-
5	1/2	1-1/4	1/8	100	**MP551204038**	Price	**-**	-
6	1/16	1-1/4	1/8	100	**MP551204338**	Price	**MP551204348**	Price
6	1/2	1-1/4	1/16	100	**MP551204737**	Price	**MP551204747**	Price
6	1/4	1-1/4	1/16	100	**MP551204537**	Price	**-**	-
6	1/8	1-1/4	1/8	100	**MP551204438**	Price	**-**	-
7	1/2	1-1/4	1/8	100	**MP551205238**	Price	**MP551205248**	Price
7	1/4	1-1/4	1/16	100	**-**		**MP551205047**	Price
7	1/4	1-1/4	1/8	100	**MP551205038**	Price	**MP551205048**	Price
7	1/8	1-1/4	1/8	100	**MP551204938**	Price	**-**	-
7	3/8	1-1/4	1/8	100	**MP551205138**	Price	**-**	-
8	1/2	1-1/4	1/8	100	**MP551205638**	Price	**MP551205648**	Price
8	1/4	1-1/4	1/8	100	**MP551205538**	Price	**MP551205548**	Price
10	1/2	3	1/8	100	**MP551205938**	Price	**MP551205948**	Price
14	1/2	5	1/8	100	**MP551206338**	Price	**-**	-

SURF PRO CBN Face Wheels

6 x 3/4 x 1-1/4"— Type 6A2C

Resin Bond — Plate Mounted

MADE IN THE USA





			120		150	
Rim (in.)	CBN Depth (in.)	Concentration	Order No.	Price	Order No.	Price
3/8	1/8	100	**MP556180138**	Price	**MP556180148**	Price
3/8	1/8	50	**MP556180132**	Price	**MP556180142**	Price
1/2	1/16	50	**MP556180232**	Price	**-**	-
1/2	1/8	100	**-**	-	**MP556180247**	Price
3/4	1/16	100	**MP556180337**	Price	**-**	-
3/4	1/8	100	**MP556180338**	Price	**MP556180348**	Price

SURF PRO CBN Dish Wheels

Resinoid Bond
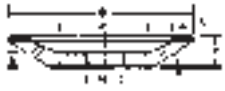
MADE IN THE USA

- Abrasive in rim
- 150 Grit
- 100 Concentration
- 1/8" Abrasive depth
- Type D12A2

Wheel Specifications:

- X - Abrasive depth - 1/8"
- D - Diameter - 6"
- T - Thickness - 1"
- B - Dish angle - 30°
- H - Hole - 1-1/4"



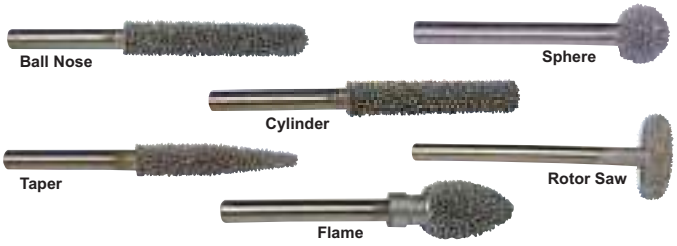


W Rim (in.)	Order No.	Price
1/4	**MP55121004**	Price
3/8	**MP55121005**	Price

Kutzall® Carbide Abrasive Tools

Excellent for Cutting Plastic, Fiberglass, Rubber and Wood

Superior stock removal rate and will not load up "SSG Carbide Teeth" on soft materials



Shank Size (in.) - 1/4				
Dia. (in.)	Length (in.)	Shape	Order No.	Price
1/4	1-3/4	Ball Nose	**MN35BN14S**	Price
1/4	1-3/4	Taper	**MN35T14S**	Price
1/2	1	Flame	**MN35FL12S**	Price
3/4	1	Cylinder	**MN35C34S**	Price
3/4	1/8	Rotor Saw	**MN35RS34S**	Price
3/4	1-1/8	Ball Nose	**MN35BN34S**	Price
1	1	Sphere	**MN35S1S**	Price

Shank Size (in.) - 1/8				
Dia. (in.)	Length (in.)	Shape	Order No.	Price
1/8	3/4	Ball Nose	**MN35BN18ES**	Price
1/8	3/4	Cylinder	**MN35C18ES**	Price
1/8	3/4	Taper	**MN35T18ES**	Price
1/4	1/2	Ball Nose	**MN35BN14ES**	Price
1/4	1/2	Cylinder	**MN35C14ES**	Price
1/4	1/2	Flame	**MN35FL14ES**	Price
1/4	1/2	Taper	**MN35T14ES**	Price
1/4	1/4	Sphere	**MN35S14ES**	Price
3/8	1/2	Dove Tail	**MN35DT38ES**	Price
3/8	3/8	Sphere	**MN35S38ES**	Price
1/2	1/8	Rotor Saw	**MN35RS12ES**	Price
3/4	1/8	Rotor Saw	**MN35RS34ES**	Price

Above stocked in coarse grit only — Fine grit available on request

Kutzall® Dish Wheels and Sanding Discs

For use on angle grinding & sanding machines



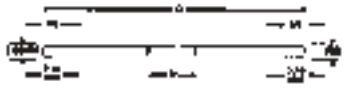
Description	Dia. (in.)	Hole Size (in.)	Grit	Order No.	Price
Dish Wheel	4	5/8	Medium	**MN35716M**	Price
Dish Wheel	4	5/8	Very Coarse	**MN35714VC**	Price
Sanding Disc	7	7/8	Very Coarse	**MN351160VC**	Price

Diamond "Magnicon Bond" Saws

High Cutting Rate • Longer Useful Life
For Use In High Speed Collet Type Grinders

- Designed for cutting highly abrasive materials like Fiberglass, Boron, Graphite, Ceramics





Dia. (in.)	Thickness (in.)	Hole Size (in.)	Order No.	Price
2	.080	1/4	**MN53152010**	Price
3	.080	5/8	**MN53152015**	Price
4	.080	5/8	**MN53152020**	Price

Arbors for Above Wheels



Hole Size (in.)	Shank Size (in.)	Order No.	Price
1/4	1/2	**GK60CSA1**	Price

Diamond X Depressed Center Grinding Wheels - Type 29

- Minimum of 25 times the life of standard resin depressed center grinding wheel
- Extremely aggressive 24 grit diamond is uniquely brazed on extends working life



Size (in.)	Grit	RPM	Carton Qty	Order No.	Price
4-1/2 x 5/8-11	24	13300	1	**MG9070401**	Price
5 x 5/8-11	24	12250	1	**MG9070403**	Price

Diamond X Blades - Type 1

- Can be used on sheet metal up to 3/8" thick or metal bar up to 3/4" thick
- Minimum of 25 times the working lift of standard resin wheels
- Advanced brazing process and high-quality diamonds for higher production rates



Size (in.)	Carton Qty	Order No.	Price
4-1/2 x .050 x 7/8	1	**MG9049714**	Price
5 x .050 x 7/8	1	**MG9049715**	Price
6 x x.050 x 7/8	1	**MG9049716**	Price

Flexable Diamond Hand Pads

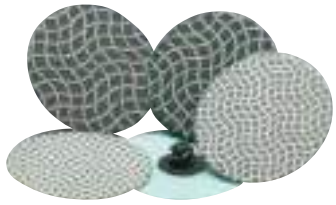
- Lightweight and durable conformable backing adapts to a variety of surfaces
- Precision dot pattern allows aggressive consistent cut rate, uniform finish and reduced loading
- Can be used wet or dry, no dressing required
- Color coded for easy identification
- For shaping and rapid stock removal, touchup and repairs on ceramic, stone, marble, glass, composite and hard materials
- Also used for polished dies and molds



Size (in.)	Grit	Color	Spec	Order No.	Price
2-1/8 x 3-1/2	60	Green	HP60	**MH63HP06360**	Price
2-1/8 x 3-1/2	120	Black	HP120	**MH63HP06361**	Price
2-1/8 x 3-1/2	200	Red	HP200	**MH63HP06362**	Price
2-1/8 x 3-1/2	400	Yellow	HP400	**MH63HP05852**	Price
2-1/8 x 3-1/2	800	White	HP800	**MH63HP06363**	Price
2-1/8 x 3-1/2	1800	Blue	HP1800	**MH63HP06364**	Price

Diamond Speed-Lok TR Discs

- Unique abrasive pattern for increased aggressiveness, durability and lower cost versus standard diamond discs
- Speed-Lok TR quick change mount for rapid tool free change and disc stays firmly attaches to back-up pad when in use
- For grinding carbide, ceramic, glass, composites, fiberglass, reinforced plastic and other tough materials



Dia. (in.)	Grit	Color	Spec	Order No.	Price
2	120	Black	FDD2SL120	**MH63D0211779**	Price
2	200	Red	FDD2SL200	**MH63D0211780**	Price
2	400	Yellow	FDD2SL400	**MH63D0211781**	Price
2	60	Green	FDD2SL60	**MH63D0211778**	Price
2	800	White	FDD2SL800	**MH63D0211782**	Price
3	120	Black	FDD2SL120	**MH63D0311784**	Price
3	200	Red	FDD2SL200	**MH63D0311785**	Price
3	400	Yellow	FDD2SL400	**MH63D0311786**	Price
3	60	Green	FDD2SL60	**MH63D0311783**	Price
3	800	White	FDD2SL800	**MH63D0311787**	Price

Diamond Hones

Double End Resin Bond Hones - 100 Concentration

- Hone dimensions - 3/8 x 3/8 x 4”
- Diamond length - 1”
- Depth of Diamond 1/16”



Grit at Each End	Order No.	Price
100/180	**MN50DH1018**	Price
150/220	**MN50DH1522**	Price
180/320	**MN50DH1832**	Price
220/400	**MN50DH2240**	Price

Diamond Hones

Single End Resin Bond Hones - 100 Concentration

- Hone dimensions - 3/8 x 3/8 x 4”
- Diamond length - 1”
- Depth of Diamond 1/16”



Grit	Order No.	Price
100	**MN50DH100**	Price
150	**MN50DH150**	Price
220	**MN50DH220**	Price
320	**MN50DH320**	Price
400	**MN50DH400**	Price
600	**MN50DH600**	Price

3 Pc. Boron Carbide Hand Lapper Set

- **Red Color Lapper** - 240 Grit
- **Green Color Lapper** - 320 Grit
- **Yellow Color Lapper**- -400 Grit
- Ideal for honing cutting edges
- Can be used to hone surfaces on all types of metals including tungsten carbide
- These lappers are more effective when used with oil
- Long life and economical



Order No.	Price
MN50HL3	Price

Diamond Scribe with Magnet

- Marks: Steel, Glass and Carbide



Order No.	Price
MN50CDS1	Price



NF - Diamond Needle Files



Round Handle

- NF - Needle Files are our most popular files
- Used on hard materials such as: Tungsten Carbide, steels of 40Hrc and harder, ceramic materials, glass, etc.
- Shank has a round shaft of 3mm

				Coarse		Fine		Medium	
Profile	Size	Diamond Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price	Order No.	Price
3 Square	3.6mm	2-3/4	5-1/2	MN51C2132	Price	MN51F2132	Price	MN51M2132	Price
Equalling	5.1 × 1.4mm	2-3/4	5-1/2	MN51C2112	Price	MN51F2112	Price	MN51M2112	Price
Half Round	5.4 × 1.8mm	2-3/4	5-1/2	MN51C2152	Price	MN51F2152	Price	MN51M2152	Price
Round	3.1mm	2-3/4	5-1/2	MN51C2162	Price	MN51F2162	Price	MN51M2162	Price
Warding	5.1 × 1.4mm	2-3/4	5-1/2	MN51C2122	Price	MN51F2122	Price	MN51M2122	Price

HB - Heavy Duty Files



Square Handle

- HB - Heavy Duty Files are manufactured in large dimensions for heavy duty purposes and are used on metals as well as hard plastics, fiberglass, graphite and epoxy materials

				Coarse		Fine		Medium	
Profile	Size	Diamond Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price	Order No.	Price
3 Square	9.7mm	4	8-1/2	MN51CHB2607	Price	MN51FHB2607	Price	MN51MHB2607	Price
Equalling	10.4 × 2.8mm	4	8-1/2	MN51CHB2601	Price	MN51FHB2601	Price	MN51MHB2601	Price
Half Round	12.6 × 3.9mm	4	8-1/2	MN51CHB2602	Price	MN51FHB2602	Price	MN51MHB2602	Price

5 Pc. NF File Sets



- Set includes the following five files: Equalling, 1/2 Round, 3-Square, Square and Round

Grit	Order No.	Price
Coarse	MN51C4205	Price
Fine	MN51F4205	Price
Medium	MN51M4205	Price

6 Pc. NF File Sets



- Set includes the following five files: Equalling, 3-Square, Square, 1/2 Round, Round & Crossing

Grit	Order No.	Price
Coarse	MN51C4206	Price
Fine	MN51F4206	Price
Medium	MN51M4206	Price

5 Pc. HB File Sets

- Set includes the following five files: Equalling, 1/2 Round, 3-Square, Square and Round



Grit	Order No.	Price
Coarse	MN51CHB2627	Price
Fine	MN51FHB2627	Price
Medium	MN51MHB2627	Price

MI - Escapement Files

5-1/2" OAL 1-5/8" Diamond Length - Square Handle

- MI Mini Files are used in a variety of applications where fine and accurate work is necessary



Profile	Size	Diamond Length (in.)	OAL (in.)	Order No.	Price
Flat	3.9 × 1.1mm	1-5/8	5-1/2	MN51FMI8617	Price
3 Square	3.1mm	1-5/8	5-1/2	MN51FMI8614	Price
Half Round	4.1 × 1.8mm	1-5/8	5-1/2	MN51FMI8608	Price
Round	1.7mm	1-5/8	5-1/2	MN51FMI8621	Price

5 Pc. MI File Set

- Set includes the following five files: ½ Round, 3-Square, Equalling, Square and Round



Grit	Order No.	Price
Fine	MN51FMI8632	Price

Individual Diamond Files



			100		150	
Profile	Diamond Length (in.)	OAL (in.)	Order No.	Price	Order No.	Price
Equalling	3	5-1/2	FT60E100	Price	FT60E150	Price
Half Round	3	5-1/2	FT60HR100	Price	FT60HR150	Price
Round	3	5-1/2	FT60R100	Price	FT60R150	Price
Square	3	5-1/2	FT60S100	Price	FT60S150	Price
3 Square	3	5-1/2	FT60TS100	Price	FT60TS150	Price

Diamond Needle File Sets

- For precision finishing of carbide, hardened steel and ceramics



No. Pieces	Grit	Diamond Length (in.)	OAL (in.)	Order No.	Price
5 Pc. Set	100	2-3/4	5-1/2	FT605DF100	Price
5 Pc. Set	150	2-3/4	5-1/2	FT605DF150	Price
5 Pc. Set	Medium	2	5-1/2	FT605DFS	Price
5 Pc. Set	Medium	2	5-1/2	FT605MDF129†	Price
10 pc. Set	Medium	3	5-1/2	FT6010DFS	Price

Set consists of 1 each of the shapes as indicated above

5 Pc. Heavy Duty Style Diamond File Set



Diamond Length (in.)	OAL (in.)	Grit	Order No.	Price
4-1/4	8-1/2	Medium	FT605HDF129	Price

†Sets consist of 1 ea. of the shapes as indicated above

5 Pc. CBN Needle File Set†



- For finishing harder materials such as cast iron, nickel, etc. with RC50 or higher
- Available in medium grit only

Diamond Length (in.)	OAL (in.)	Grit Grade	Order No.	Price
3	5-1/2	Medium	FT605BFM	Price

†Sets consist of 1 ea. of the shapes as indicated above

5 Pc. 5-1/2" Single Rod Diamond Riffler File Set



- Includes assorted shapes used by tool and die makers to clean odd and difficult places

Order No.	Price
FT605DRS	Price

6 Pc. Double End Diamond Riffler File Set



- Set Includes 1 Each: Square, Rectangular, Triangle, Round, Half Round, and Double Half Round

OAL (in.)	Order No.	Price
6	FT606DRF150	Price

Diamond & CBN Mandrels



- Diamond & CBN pins are widely used on jig and internal grinding machines, cylindrical grinding machines and hand tools
- These pins are used for internal grinding operations of dies, special punches, cutting tools as well as numerous parts of stainless steel, exotic super alloys, etc.
- Grinding pin shanks are hardened to 42-55 Hrc and are center-less ground to ensure a rigid, accurate, concentric and parallel pin blank
- Grinding pins are all electro plated by a very precise and environmentally safe process
- Diamond and CBN powders are carefully selected and treated for precision and consistency
- Diamond pins are used for grinding tungsten carbide, ceramics, glass and non-ferrous materials
- CBN pins are used for grinding high-carbon, high-chrome steel, high speed steels such as M2, M3 and die steels such as D2

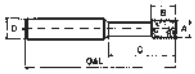
			CBN Mandrels		Diamond Mandrels	
Head Size (in.)	Shank Dia. (in.)	Grit	Order No.	Price	Order No.	Price
.020 x .079	1/8	Fine	**MN516900**	Price	**MN512900**	Price
.029 x .079	1/8	Fine	**MN516900A**	Price	**MN512900A**	Price
.039 x .079	1/8	Fine	**MN516901**	Price	**MN512901**	Price
.049 x .079	1/8	Fine	**MN516901B**	Price	**MN512901B**	Price
.059 x .118	1/8	Fine	**MN516901A**	Price	**MN512901A**	Price
.069 x .118	1/8	Fine	**MN516901C**	Price	**MN512901C**	Price
.079 x .157	1/8	Fine	**MN516902**	Price	**MN512902**	Price
.089 x .157	1/8	Fine	**-**		**MN512902A**	Price
.099 x .157	1/8	Medium	**MN516902B**	Price	**MN512902B**	Price
.109 x .157	1/8	Medium	**MN516902C**	Price	**MN512902C**	Price
.118 x .157	1/8	Medium	**MN516903**	Price	**MN512903**	Price
.130 x .197	1/8	Medium	**MN516903A**	Price	**MN512903A**	Price
.140 x .197	1/8	Medium	**MN516903B**	Price	**MN512903B**	Price
.157 x .197	1/8	Medium	**MN516904**	Price	**MN512904**	Price
.157 x .197	1/4	Medium	**MN516904XL**	Price	**MN512904XL**	Price
.177 x .236	1/8	Medium	**MN516904A**	Price	**MN512904A**	Price
.177 x .236	1/4	Medium	**MN516904AXL**	Price	**MN512904AXL**	Price
.197 x .236	1/8	Medium	**MN516905**	Price	**MN512905**	Price
.197 x .236	1/4	Medium	**MN516905XL**	Price	**MN512905XL**	Price
.236 x .275	1/8	Medium	**MN516908**	Price	**MN512908**	Price
.236 x .276	1/4	Medium	**MN516908XL**	Price	**MN512908XL**	Price
.256 x .275	1/4	Medium	**-**		**MN512908A**	Price
.315 x .315	1/4	Medium	**MN516909**	Price	**MN512909**	Price
.335 x .315	1/4	Medium	**MN516910F**	Price	**MN512910F**	Price
.394 x .197	1/4	Medium	**MN516911**	Price	**MN512911**	Price
.394 x .394	1/4	Medium	**MN516912**	Price	**MN512912**	Price
.473 x .394	1/4	Medium	**MN516913D**	Price	**MN512913D**	Price

Diamond Jig Grinding Mandrels

WORLD CLASS QUALITY

150 Concentration

- **Diamond:** Ceramics, glass, carbides and non-ferrous metals, etc
- **CBN:** Normal material range 50C Rockwell, high carbon, high chrome, HSS some grades beryllium copper. “D”, “T” & “M” type steels





			CBN		Diamond	
Head Size (in.)	Shank Dia. (in.)	Grit	Order No.	Price	Order No.	Price
.029 x .079	1/8	220	**MN52215005220**	Price	**MN52115005220**	Price
.029 x .079	1/8	325	**-**		**MN52116005325**	Price
.039 x .079	1/8	220	**MN52215010220**	Price	**MN52115010220**	Price
.049 x .079	1/8	120	**MN52215015150**	Price	**MN52115015150**	Price
.039 x .079	1/8	325	**-**		**MN52116010325**	Price
.059 x .118	1/8	120	**MN52215020150**	Price	**MN52115020150**	Price
.069 x .118	1/8	120	**MN52215025150**	Price	**MN52115025150**	Price
.049 x .079	1/8	220	**-**		**MN52116015220**	Price
.079 x .157	1/8	120	**MN52215030150**	Price	**MN52115030150**	Price
.089 x .157	1/8	120	**MN52215035150**	Price	**MN52115035150**	Price
.059 x .118	1/8	220	**-**		**MN52116020220**	Price
.099 x .157	1/8	120	**MN52215040150**	Price	**MN52115040150**	Price
.109 x .157	1/8	120	**MN52215045120**	Price	**MN52115045120**	Price
.069 x .118	1/8	220	**-**		**MN52116025220**	Price
.118 x .157	1/8	120	**MN52215050120**	Price	**MN52115050120**	Price
.130 x .197	1/8	120	**MN52215055120**	Price	**MN52115055120**	Price
.079 x .157	1/8	220	**-**		**MN52116030220**	Price
.140 x .197	1/8	120	**MN52215060120**	Price	**MN52115060120**	Price
.157 x .197	1/8	120	**MN52215065120**	Price	**MN52115065120**	Price
.089 x .157	1/8	220	**-**		**MN52116035220**	Price
.197 x .236	1/4	120	**MN52215075120**	Price	**MN52115075120**	Price
.099 x .157	1/8	220	**-**		**MN52116040220**	Price
.236 x .275	1/4	120	**MN52215080120**	Price	**MN52115080120**	Price
.177 x .236	1/4	120	**MN52215070120**	Price	**MN52115070120**	Price
.256 x .275	1/4	120	**MN52215085120**	Price	**MN52115085120**	Price
.109 x .157	1/8	220	**-**		**MN52116045220**	Price
.315 x .315	1/4	120	**MN52215090120**	Price	**MN52115090120**	Price
.335 x .315	1/4	120	**MN52215095120**	Price	**MN52115095120**	Price
.118 x .157	1/8	220	**-**		**MN52116050220**	Price
.394 x .394	1/4	120	**MN52215100120**	Price	**MN52115100120**	Price
.473 x .394	1/4	120	**MN52215105120**	Price	**MN52115105120**	Price
.591 x .394	1/4	120	**MN52215110120**	Price	**MN52115110120**	Price
.730 x .394	1/4	120	**MN52215115120**	Price	**MN52115115120**	Price
.140 x .197	1/8	220	**-**	-	**MN52116060220**	Price
.157 x .197	1/8	220	**-**	-	**MN52116065220**	Price
.177 x .236	1/4	220	**-**	-	**MN52116070220**	Price
.197 x .236	1/4	220	**-**	-	**MN52116075220**	Price
.256 x .275	1/4	220	**-**	-	**MN52116085220**	Price
.315 x .315	1/4	220	**-**	-	**MN52116090220**	Price
.335 x .315	1/4	220	**-**	-	**MN52116095220**	Price
.394 x .394	1/4	220	**-**	-	**MN52116100220**	Price
.730 x .394	1/4	220	**-**	-	**MN52116115220**	Price

DI-COAT Diamond Superabrasive Electroplated Grinding Mandrels

- For ID and Jig Grinding
- 220 Grit Diamond for carbide and non-metallics or CBN for high speed steels and alloys grinding
- Increased cutting action and longer cutting life
- Reduced deflection for greater accuracy
- 1/8″ Shank × 2.15″ OAL up to .236″ Dia. head
- 1/4″ Shank × 3″ OAL up to .315″ and .394″ Dia. head
- .020 thru .236 (60,000 RPM), .315 (50,000 RPM), .394 (40,000 RPM)

MADE IN THE USA





	CBN		Diamond	
Head Size (in.)	Order No.	Price	Order No.	Price
.020 x .080	**MN54020C220**	Price	**MN54020D220**	Price
.025 x .080	**MN54025C220**	Price	**MN54025D220**	Price
.030 x .080	**MN54030C220**	Price	**MN54030D220**	Price
.049 x .080	**MN54049C220**	Price	**MN54049D220**	Price
.059 x .120	**MN54059C220**	Price	**MN54059D220**	Price
.069 x .120	**MN54069C220**	Price	**MN54069D220**	Price
.079 x .160	**MN54079C220**	Price	**MN54079D220**	Price
.089 x .160	**MN54089C220**	Price	**MN54089D220**	Price
.099 x .160	**MN54099C220**	Price	**MN54099D220**	Price

	CBN		Diamond	
Head Size (in.)	Order No.	Price	Order No.	Price
.118 x .160	**MN54118C220**	Price	**MN54118D220**	Price
.130 x .200	**MN54130C220**	Price	**MN54130D220**	Price
.140 x .200	**MN54140C220**	Price	**MN54140D220**	Price
.157 x .200	**MN54157C220**	Price	**MN54157D220**	Price
.177 x .235	**MN54177C220**	Price	**MN54177D220**	Price
.197 x .235	**MN54197C220**	Price	**MN54197D220**	Price
.236 x .275	**MN54236C220**	Price	**MN54236D220**	Price
.315 x .315	**MN54315C220**	Price	**MN54315D220**	Price
.394 x .200	**MN54394C220**	Price	**MN54394D220**	Price

Portable & Stationary Saw Cut-Off Wheels

Gemini
- High performance resin bond
- Provides fast burn free cutting

Charger
- Featuring Charger zirconia alumina abrasive grain
- 2X the life and cut rate of aluminum oxide
- Freer, burn free cutting action – ideal for stainless
- Reinforced
- Standard package – 10 pieces



Style - Portable Chop Saw Blade			
Size (in.)	Spec.	Order No.	Price Ea.
10 x 7/64 x 1	Gemini Long Life	**MH60100006109**	Price
12 x 7/64 x 1	Gemini Long Life	**MH60120007554**	Price
14 x 7/64 x 1	Gemini Free Cut	**MH60140006627**	Price
14 x 7/64 x 1	Gemini Long Life	**MH60140006626**	Price
16 x 7/64 x 1	Gemini Long Life	**MH60160010198**	Price

Style - Stationary Saw Cut-Off Wheel			
Size (in.)	Spec.	Order No.	Price Ea.
10 x 3/32 x 5/8	Charger Long Life	**MH60100006108**	Price
10 x 3/32 x 5/8	Gemini Free Cut	**MH60100006101**	Price

Style - Stationary Saw Cut-Off Wheel			
Size (in.)	Spec.	Order No.	Price Ea.
10 x 3/32 x 5/8	Gemini Long Life	**MH60100006102**	Price
12 x 1/8 x 1	Gemini Long Life	**MH60120007548**	Price
14 x 1/8 x 1	Charger Long Life	**MH60140006623**	Price
14 x 1/8 x 1	Gemini Free Cut	**MH60140006609**	Price
14 x 1/8 x 1	Gemini Long Life	**MH60140006611**	Price
14 x 7/64 x 1	Bluefire	**MH60140043252**	Price
14 x 7/64 x 1	Bluefire	**MH60140043253**	Price
16 x 5/32 x 1	Bluefire	**MH60160043255**	Price
16 x 5/32 x 1	Gemini Free Cut	**MH60160010183**	Price
16 x 5/32 x 1	Gemini Long Life	**MH60160010184**	Price
16 x 7/64 x 1	Bluefire	**MH60160043256**	Price
18 x 5/32 x 1	Gemini Free Cut	**MH60180010185**	Price
20 x 3/16 x 1	Gemini Free Cut	**MH60200009033**	Price
20 x 3/16 x 1	Gemini Long Life	**MH60200009034**	Price
20 x 5/32 x 1	-	**MH60200043258**	Price
20 x 5/32 x 1	Charger Long Life	**MH60200009046**	Price
20 x 5/32 x 1	Gemini Free Cut	**MH60200009031**	Price
20 x 5/32 x 1	Gemini Long Life	**MH60200009032**	Price

Small Diameter Cut-Off Wheels

Bluefire:
- Zirc/AO blend
- For light to heavy applications on gray iron, carbon, stainless steel and alloys

Gemini:
- Aluminum oxide grain
- Best for steel and ferrous metals as well as aluminum and foundries



Spec. - Bluefire		
Size (in.)	Order No.	Price
3 x .035 x 3/8	**MH60030028629**	Price
3 x .035 x 3/8	**MH60030043174**	Price
3 x .060 x 3/8	**MH60030043175**	Price
4 x .035 x 3/8	**MH60040043173**	Price
4 x .060 x 3/8	**MH60040043171**	Price

Spec. - Gemini		
Size (in.)	Order No.	Price
2 x .035 x 1/4	**MH60020011393**	Price
2 x .035 x 1/8	**MH60020011392**	Price
2 x .035 x 3/8	**MH60020011394**	Price

Spec. - Gemini		
Size (in.)	Order No.	Price
2 x 1/16 x 1/4	**MH60020011395**	Price
2 x 1/16 x 3/8	**MH60020011396**	Price
2 x 1/8 x 1/4	**MH60020011402**	Price
2 x 1/8 x 3/8	**MH60020011403**	Price
2-1/2 x 1/16 x 1/4	**MH60020010640**	Price
2-1/2 x 1/16 x 3/8	**MH60020010641**	Price
3 x .035 x 1/4	**MH60030010627**	Price
3 x .035 x 3/8	**MH60030010628**	Price
3 x 1/16 x 1/4	**MH60030010645**	Price
3 x 1/16 x 1/4	**MH60030010649**	Price
3 x .060 x 3/8	**MH60030010647**	Price
3 x 1/16 x 3/8	**MH60030010648**	Price
3 x 1/8 x 1/4	**MH60030010650**	Price
3 x 1/8 x 1/4	**MH60030010652**	Price
3 x 1/8 x 3/8	**MH60030010651**	Price
3 x 1/8 x 3/8	**MH60030010653**	Price
4 x .035 x 1/4	**MH60040010629**	Price
4 x .035 x 3/8	**MH60040010630**	Price
4 x 1/16 x 1/4	**MH60040010654**	Price
4 x .060 x 3/8	**MH60040010655**	Price
4 x 1/8 x 1/4	**MH60040010658**	Price
4 x 1/8 x 3/8	**MH60040010659**	Price
4 x 1/8 x 3/8	**MH60040010661**	Price

Toolroom Cut-Off Wheels - Reinforced

- Layers of fiberglass mesh extending from the wheel's center to its periphery, help these wheels withstand lateral stress and rough usage
- Contains premium aluminum oxide with high temperature resin bonds formulated for long life and fast cutting ability



Size (in.)	Spec.	Order No.	Price
3 x .035 x 1/4	A60-OBNA2	**MH60030028573**	Price
3 x .035 x 3/8	A60-OBNA2	**MH60030028574**	Price
3 x .060 x 1/4	A60-OBNA2	**MH60030028471**	Price
3 x .060 x 3/8	A60-OBNA2	**MH60030028552**	Price
4 x .035 x 3/8	A60-OBNA2	**MH60040029621**	Price
6 x .035 x 1/2	A60-OBNA2	**MH60060035053**	Price
6 x .035 x 5/8	A60-OBNA2	**MH60060035054**	Price
6 x .060 x 1-1/4	A60-OBNA2	**MH60060035165**	Price
6 x .060 x 1/2	A60-OBNA2	**MH60060035164**	Price
7 x .035 x 1-1/4	A60-OBNA2	**MH60070038788**	Price
7 x .035 x 5/8	A60-OBNA2	**MH60070038787**	Price
7 x .060 x 1-1/4	A60-OBNA2	**MH60070038796**	Price

Size (in.)	Spec.	Order No.	Price
7 x .060 x 5/8	A60-OBNA2	**MH60070038811**	Price
7 x 1/16 x 5/8	57A364-TB25N	**MH60070022673**	Price
8 x .035 x 5/8	A60-OBNA2	**MH60080042979**	Price
8 x .060 x 1-1/4	A60-OBNA2	**MH60080042983**	Price
8 x .060 x 5/8	A60-OBNA2	**MH60080042981**	Price

SURF PRO Small Diameter Thin Cut-Off Wheels - Aluminum Oxide - Type 1

- Aluminum oxide grain
- Fiberglass reinforced
- General purpose rapid cutting applications
- Use for thin gauge sheet stock, thin walled tubing and small diameter cross sections
- Economical choice for cutting iron, steel, stainless steel and other materials



Size (in.)	Grit	Order No.	Price
1-1/2 x 1/16 x 1/4	36	**SP010150622136A**	Price
1-1/2 x 1/16 x 1/4	46	**SP010150622146A**	Price
1-1/2 x 1/16 x 3/8	36	**SP010150623136A**	Price
1-1/2 x 1/16 x 3/8	46	**SP010150623146A**	Price
2 x .060 x 1/8	36	**SP010200601136A**	Price
2 x .060 x 1/8	46	**SP010200601146A**	Price
2 x .060 x 1/8	60	**SP010200601160A**	Price
2 x .060 x 1/4	36	**SP010200602136A**	Price
2 x .060 x 1/4	46	**SP010200602146A**	Price
2 x .060 x 1/4	60	**SP010200602160A**	Price
2 x .060 x 3/8	36	**SP010200603136A**	Price
2 x .060 x 3/8	46	**SP010200603146A**	Price
2 x .060 x 3/8	60	**SP010200603160A**	Price
2-1/2 x 1/16 x 1/4	36	**SP010250622136A**	Price
2-1/2 x 1/16 x 1/4	46	**SP010250622146A**	Price
2-1/2 x 1/16 x 3/8	36	**SP010250623136A**	Price
2-1/2 x 1/16 x 3/8	46	**SP010250623146A**	Price
3 x .060 x 1/4	36	**SP010300602136A**	Price
3 x .060 x 1/4	46	**SP010300602146A**	Price
3 x .060 x 1/4	60	**SP010300602160A**	Price
3 x .060 x 3/8	36	**SP010300603136A**	Price
3 x .060 x 3/8	46	**SP010300603146A**	Price
3 x .060 x 3/8	60	**SP010300603160A**	Price
4 x .060 x 3/8	46	**SP010400603146A**	Price
4 x .060 x 3/8	36	**SP010400603136A**	Price
4 x .060 x 3/8	60	**SP010400603160A**	Price
4 x 1/16 x 1/4	36	**SP010400622136A**	Price
4 x 1/16 x 1/4	46	**SP010400622146A**	Price
4 x 1/16 x 3/8	36	**SP010400623136A**	Price
4 x 1/16 x 3/8	46	**SP010400623146A**	Price
4 x 1/16 x 1/2	46	**SP010400624146A**	Price
4 x 1/16 x 5/8	36	**SP010400625136A**	Price
4 x 1/16 x 5/8	46	**SP010400625146A**	Price
4 x 3/32 x 5/8	36	**SP010400935136A**	Price
4 x 3/32 x 5/8	46	**SP010400935146A**	Price

SURF PRO Small Diameter Thin Cut-Off Wheels - Zirconia - Type 1

- Zirconia grain
- High performance for cutting and notching applications
- Use on ferrous metals (iron, steel, welds), stainless steel and high tensile alloys



Size (in.)	Grit	Order No.	Price
2 x .060 x 1/4	46	**SP010200602146Z**	Price
2 x .060 x 1/4	60	**SP010200602160Z**	Price
2 x .060 x 3/8	46	**SP010200603146Z**	Price
2 x .060 x 3/8	60	**SP010200603160Z**	Price
4 x .060 x 3/8	46	**SP010400603146Z**	Price
4 x .060 x 3/8	60	**SP010400603160Z**	Price
4 x 1/16 x 1/4	46	**SP010400622146Z**	Price
4 x 1/16 x 3/8	46	**SP010400623146Z**	Price

SURF PRO Small Diameter Thin Cut-Off Wheels - Ceramic - Type 1

- Ceramic grain
- Fiberglass reinforced
- Durable and self-sharpening for fast, cool cutting and long wheel life
- Use on stainless steel, high tensile alloys and ferrous metals (iron, steel, welds, etc)



Size (in.)	Grit	Order No.	Price
2 x .060 x 1/4	60	**SP010200602160C**	Price
2 x .060 x 3/8	60	**SP010200603160C**	Price
3 x .060 x 1/4	60	**SP010300602160C**	Price
3 x .060 x 3/8	60	**SP010300603160C**	Price
4 x .060 x 3/8	60	**SP010400603160C**	Price

SURF PRO Light Grind & Cut-Off Wheels - Aluminum Oxide-Type 1

- Aluminum oxide grain
- Fiberglass reinforced
- General purpose light grinding and cut-off applications
- Economical choice for cutting iron, steel, stainless steel and other materials



Size (in.)	Grit	Order No.	Price
2 x 1/8 x 1/4	24	**SP010201252124A**	Price
2 x 1/8 x 1/4	36	**SP010201252136A**	Price
2 x 1/8 x 1/4	46	**SP010201252146A**	Price
2 x 1/8 x 3/8	24	**SP010201253124A**	Price
2 x 1/8 x 3/8	36	**SP010201253136A**	Price
2 x 1/8 x 3/8	46	**SP010201253146A**	Price
3 x 1/8 x 1/4	24	**SP010301252124A**	Price
3 x 1/8 x 1/4	36	**SP010301252136A**	Price
3 x 1/8 x 1/4	46	**SP010301252146A**	Price
3 x 1/8 x 3/8	24	**SP010301253124A**	Price
3 x 1/8 x 3/8	36	**SP010301253136A**	Price
3 x 1/8 x 3/8	46	**SP010301253146A**	Price
4 x 1/8 x 1/4	24	**SP010401252124A**	Price
4 x 1/8 x 1/4	36	**SP010401252136A**	Price
4 x 1/8 x 1/4	46	**SP010401252146A**	Price
4 x 1/8 x 3/8	24	**SP010401253124A**	Price
4 x 1/8 x 3/8	36	**SP010401253136A**	Price
4 x 1/8 x 3/8	46	**SP010401253146A**	Price
4 x 1/8 x 5/8	24	**SP010401255124A**	Price
4 x 1/8 x 5/8	36	**SP010401255136A**	Price
4 x 1/8 x 5/8	46	**SP010401255146A**	Price

SURF PRO Light Grind & Cut-Off Wheels-Zirconia - Type 1

- Zirconia grain
- High performance for cutting and notching applications
- Use on ferrous metals (iron, steel, welds), stainless steel and high tensile alloys



Size (in.)	Grit	Order No.	Price
3 x 1/8 x 1/4	46	**SP010301252146Z**	Price
3 x 1/8 x 3/8	46	**SP010301253146Z**	Price
4 x 1/8 x 1/4	36	**SP010401252136Z**	Price
4 x 1/8 x 3/8	36	**SP010401253136Z**	Price

SURF PRO® Resin Bond Reinforced Cut-Off Wheels - Type 1



- Aluminum oxide grain
- Fiberglass reinforced
- General purpose grinding applications
- Economical choice for cutting iron, steel, stainless steel and other materials

Size (in.)	Grit	Order No.	Price
3 x 3/16 x 1/4	24	**SP010301872124A**	Price
3 x 3/16 x 1/4	36	**SP010301872136A**	Price
3 x 3/16 x 1/4	46	**SP010301872146A**	Price
3 x 3/16 x 3/8	24	**SP010301873124A**	Price
3 x 3/16 x 3/8	36	**SP010301873136A**	Price
3 x 3/16 x 3/8	46	**SP010301873146A**	Price
3 x 1/4 x 3/8	24	**SP010302503124A**	Price
3 x 1/4 x 3/8	30	**SP010302503136A**	Price
3 x 1/4 x 3/8	46	**SP010302503146A**	Price
3 x 1/4 x 5/8	24	**SP010302505124A**	Price
3 x 1/4 x 5/8	30	**SP010302505136A**	Price
3 x 1/4 x 5/8	46	**SP010302505146A**	Price
3 x 3/8 x 3/8	24	**SP010303753124A**	Price
3 x 3/8 x 3/8	30	**SP010303753136A**	Price
3 x 3/8 x 3/8	46	**SP010303753146A**	Price
3 x 1/2 x 3/8	24	**SP010305003124A**	Price
3 x 1/2 x 3/8	30	**SP010305003136A**	Price
3 x 1/2 x 3/8	46	**SP010305003146A**	Price
4 x 1/4 x 3/8	24	**SP010402503124A**	Price
4 x 1/4 x 3/8	30	**SP010402503136A**	Price
4 x 1/4 x 3/8	46	**SP010402503146A**	Price
4 x 1/4 x 5/8	24	**SP010402505124A**	Price
4 x 1/4 x 5/8	36	**SP010402505136A**	Price
4 x 1/4 x 5/8	46	**SP010402505146A**	Price

CARBORUNDUM Carbo White Aluminum Oxide Reinforced Cut-Off Wheels



- Economical choice for initial-price-conscious customers with general purpose applications
- Extra thin
- Low intial cost per wheel
- Quick cutting action
- Ideal for on-site and small-unit jobs
- Type 01

Style - Type 01					
Size (in.)	Grit	RPM	Carton Qty	Order No.	Price
4-1/2 x .040 x 7/8	A60	13580	25	**MG4661584**	Price
5 x .040 x 7/8	A60	12225	25	**MG4661585**	Price
6 x .040 x 7/8	A60	10185	25	**MG4661586**	Price

Style - Type 27					
Size (in.)	Grit	RPM	Carton Qty	Order No.	Price
4-1/2 x .045 x 7/8	A60	13580	20	**MG4636280**	Price
5 x .045 x 7/8	A60	12225	20	**MG4636281**	Price
6 x .045 x 7/8	A60	10185	20	**MG4636282**	Price

CARBABRASIVE Reinforced Resinoid Bond Aluminum Oxide Abrasive Cut-Off Wheels for Metal



- For tool room application, such as cutting and slotting
- Fiberglass reinforced on both sides for added strength
- Fast cutting — long life
- .040" Thick
- 70 Grit
- 20 Per Carton

	1/2		5/8		1-1/4	
Dia. (in.)	Order No.	Price	Order No.	Price	Order No.	Price
6	**MG58A6011**	Price	**MG58A6012**	Price	**MG58A6016**	Price
7	**MG58A7011**	Price	**-**	-	**MG58A7016**	Price
8	**MG58A8011**	Price	**MG58A8012**	Price	**-**	-

SURF PRO® High Performance Cut-Off Wheels



- High performance aluminum oxide grain
- Thin width for minimal material loss
- Double reinforced
- Quick, clean cuts and longer wheel life
- Less down time for wheel changes
- Reduced cost, increased productivity

New!

Size	Wheel Type	Order No.	Price
3" x .040" x 3/8"	1	**SP010304038HPA**	Price
3" x 1/16" x 3/8"	1	**SP010311638HPA**	Price
4" x .045" x 7/8"	1	**SP014504578HPA**	Price
6" x .045" x 7/8"	1	**SP010604578HPA**	Price

SURF PRO® Thin Flex Cut-Off Wheels



- Zirconia grain
- Thin, flexible and fiberglass reinforced
- High performance for cutting and notching applications
- Use on ferrous metals (iron, steel, welds), stainless steel and high tensile alloys

Size (in.)	Grit	Order No.	Price
4-1/2 x .035 x 7/8	60	**SP0104503571602**	Price
4-1/2 x .045 x 7/8	60	**SP0104504577602**	Price
5 x .040 x 7/8	60	**SP0105004071602**	Price
6 x .040 x 7/8	60	**SP0106004071602**	Price

CARBORUNDUM GoldCut Reinforced Aluminum Oxide Cut-Off Wheels



- Advanced resin bond
- Unique, high strength, reinforced construction
- Extra thin .045"
- Provides strength for use on right angle grinders
- Flexible, resilient, resists breakage

Style - Tupe 37					
Size (in.)	Grit	RPM	Carton Qty	Order No.	Price
6 x .045 x 5/8-11	A30	10185	20	**MG4644368**	Price

Style - Type 01					
Size (in.)	Grit	RPM	Carton Qty	Order No.	Price
5 x 1/8 x 5/8-11	A46-Q	15280	25	**MG4663951**	Price
4 x 3/32 x 5/8	A36-Q	15280	25	**MG4627224**	Price
4-1/2 x .045 x 7/8	A60-Q	13580	25	**MG4663952**	Price
4-1/2 x 3/32 x 7/8	A60-Q	13580	25	**MG4627225**	Price
6 x .045 x 7/8	A46-Q	10185	25	**MG4663954**	Price
6 x 3/32 x 7/8	A60-Q	10185	25	**MG4627228**	Price
7 x 1/16 x 7/8	A46-Q	8600	25	**MG4632324**	Price
7 x 3/32 x 7/8	A46-Q	8600	25	**MG4627230**	Price

Style - Type 27					
Size (in.)	Grit	RPM	Carton Qty	Order No.	Price
4 x .045 x 5/8	A30	13580	20	**MG4644349**	Price
4-1/2 x .045 x 5/8-11	A30	13580	20	**MG4630584**	Price
4-1/2 x .045 x 7/8	A30	13580	20	**MG4661551**	Price
5 x .045 x 5/8-11	A30	12225	20	**MG4644367**	Price
5 x .045 x 7/8	A30	12225	20	**MG4661553**	Price
6 x .045 x 7/8	A30	10185	20	**MG4661554**	Price
7 x 1/16 x 7/8	A30	8600	20	**MG4661555**	Price
9 x 1/16 x 5/8-11	A30	6600	10	**MG4630585**	Price

Reinforced Cut-Off Wheels for Hand Held Grinders

1-1/2” to 4” Diameter

- Ideal for cutting off ferrous metals, alloy steels and cast iron
- Aluminum oxide abrasive – fast cutting action
- Resinoid bond – long life – burn free cutting
- High strength reinforcement – resists breakage





Material - Aluminum Oxide					
Wheel Size (in.)	Grading	Max. RPM	Carton Qty.	Order No.	Price
1-1/2 x 1/32 x 1/4	A60-RBF	45000	50	**MG9035687**	Price
1-1/2 x 1/16 x 1/4	A60-RBF	45000	50	**MG9035688**	Price
2 x 1/32 x 3/8	A60-RBF	30000	50	**MG9035689**	Price
2 x 1/16 x 1/4	A36-TBF	30000	50	**MG9045066**	Price
2 x 1/16 x 3/8	A36-RBF	30000	50	**MG9035690**	Price
2 x 1/8 x 3/8	A24-RBF	30000	50	**MG9035691**	Price
3 x 1/32 x 1/4	A60-RBF	25000	50	**MG9035500**	Price
3 x 1/32 x 3/8	A60-RBF	25000	50	**MG9035501**	Price
3 x 1/16 x 1/4	A36-RBF	25000	50	**MG9035502**	Price
3 x 1/16 x 1/4	A60-RBF	25000	50	**MG9045085**	Price
3 x 1/16 x 3/8	A36-RBF	25000	50	**MG9035503**	Price
3 x 1/16 x 3/8	A60-RBF	25000	50	**MG9045086**	Price
3 x 1/8 x 1/4	A24-RBF	25000	50	**MG9035504**	Price
3 x 1/8 x 3/8	A24-RBF	25000	50	**MG9035505**	Price
4 x 1/32 x 1/4	A60-RBF	19100	50	**MG9035506**	Price
4 x 1/32 x 3/8	A60-RBF	19100	50	**MG9035507**	Price
4 x 1/16 x 1/4	A36-RBF	19100	50	**MG9035508**	Price
4 x 1/16 x 1/4	A60-RBF	19100	50	**MG9045088**	Price
4 x 1/16 x 3/8	A36-RBF	19100	50	**MG9035509**	Price
4 x 1/16 x 3/8	A60-RBF	19100	50	**MG9045087**	Price
4 x 1/16 x 5/8	A36-RBF	19100	50	**MG9035510**	Price
4 x 1/8 x 1/4	A24-RBF	19100	50	**MG9035511**	Price
4 x 1/8 x 3/8	A24-RBF	19100	50	**MG9035512**	Price

Material - Aluminum Oxide—Fast cut					
Wheel Size (in.)	Grading	Max. RPM	Carton Qty.	Order No.	Price
3 x 1/32 x 1/4	A60-RBF	25000	50	**MG9059102**	Price
3 x 1/32 x 3/8	A60-RBF	25000	50	**MG9059103**	Price
3 x 1/16 x 1/4	A36-RBF	25000	50	**MG9059104**	Price
3 x 1/16 x 3/8	A36-RBF	25000	50	**MG9059105**	Price
4 x 1/32 x 1/4	A60-RBF	19100	50	**MG9059106**	Price
4 x 1/32 x 3/8	A60-RBF	19100	50	**MG9059107**	Price
4 x 1/16 x 3/8	A36-RBF	19100	50	**MG9059108**	Price

Zirconia Premium Cut-Off Wheels - Type 1

- ZA: Zirconia Aluminum Oxide - Metal, steel, and stainless
- Longer lasting life and easy cutting action



Size (in.)	Spec	RPM	Carton Qty.	Order No.	Price
3 x 1/32 x 1/4	ZA60-TBF	23900	50	**MG9036175**	Price
3 x 1/32 x 3/8	ZA60-TBF	23900	50	**MG9036176**	Price
3 x 1/16 x 1/4	ZA36-TBF	23900	50	**MG9036173**	Price
3 x 1/16 x 3/8	ZA36-TBF	23900	50	**MG9036174**	Price
4 x 1/32 x 1/4	ZA60-TBF	19100	50	**MG9036179**	Price
4 x 1/32 x 3/8	ZA60-TBF	19100	50	**MG9036180**	Price
4 x 1/16 x 1/4	ZA36-TBF	19100	50	**MG9036177**	Price
4 x 1/16 x 3/8	ZA36-TBF	19100	50	**MG9036178**	Price

Reinforced Cut-Off Wheels for Hand Held Grinders

1-1/2” to 4” Diameter

- Ideal for cutting off ferrous metals, alloy steels and cast iron
- Aluminum oxide abrasive – fast cutting action
- Resinoid bond – long life – burn free cutting
- High strength reinforcement – resists breakage





Size (in.)	Grading	Max. RPM	Carton Qty.	Order No.	Price
2 x .035 x 1/4	A60-OBFTK	30560	25	**MG4609277**	Price
2 x 1/16 x 1/4	A36-TBFW	30560	25	**MG4609275**	Price
3 x .035 x 1/4	A60-OBFTK	25445	25	**MG4609269**	Price
3 x .035 x 3/8	A60-OBFTK	25445	25	**MG4609268**	Price
3 x 1/16 x 1/4	A36-TBFW	25445	25	**MG4609265**	Price
3 x 1/16 x 1/4	A60-TBFW	25445	25	**MG4609264**	Price
3 x 1/16 x 3/8	A36-TBFW	25445	25	**MG4609263**	Price
3 x 1/16 x 3/8	A60-TBFW	25445	25	**MG4609262**	Price
3 x 1/8 x 1/4	A36-TBFW	25445	25	**MG4609261**	Price
3 x 1/8 x 3/8	A36-TBFW	25445	25	**MG4609260**	Price
4 x .035 x 1/4	A60-OBFTK	19085	25	**MG4609258**	Price
4 x .035 x 3/8	A60-OBFTK	19085	25	**MG4609257**	Price
4 x 1/16 x 1/4	A36-TBFW	19085	25	**MG4609255**	Price
4 x 1/16 x 3/8	A36-TBFW	19085	25	**MG4609254**	Price
4 x 1/8 x 3/8	A36-TBFW	19085	25	**MG4609252**	Price

SURF PRO® Wheel Adapters / Cut Off Wheel Mandrels

- Wheel adapter for use with cut off wheels
- Screw head type is slotted for Quick Change - Holds wheel flush
- Nut type includes arbor, hex nut and washers

New!



Description - Cut-Off Wheel Mandrel Adapter - Screw Head					
Fits Hole (in.)	Shank (in.)	Length (in.)	Washer OD (in.)	Order No.	Price
1/4	1/4	2.15	3/4	**SP24001414SH**	Price
1/4 or 3/8	1/4	2.15	3/4	**SP24143814SH**	Price
3/8	1/4	2.15	3/4	**SP24003814SH**	Price

Description - Wheel Arbor Adapter - Nut Type					
Fits Hole (in.)	Shank (in.)	Length (in.)	Washer OD (in.)	Order No.	Price
1/4	1/4	2.50	1	**SP24001414NT**	Price
3/8	1/4	2.50	1	**SP24003814NT**	Price
1/2	1/4	2.50	1-1/2	**SP24001214NT**	Price

Flat Head Wheel Arbors

- Left hand threaded arbor
- "Flat Head" style allows mounting between a single washer and the flat-head
- For mounting wire wheel brushes & other abrasive finishing products
- Rust proof finish



Fits Arbor Hole (in.)	Wheel Width Up to (in.)	Shank Dia. (in.)	OAL (in.)	Order No.	Price
1/2	1/2	1/4	2-5/16	**MM54FHL30**	Price
1/2	3/8	1/4	1-7/8	**MM54FHL25X**	Price
1/2	7/8	1/4	2-5/16	**MM54FHL30X**	Price
1/4	3/4	3/16	1-3/4	**MM54FHL8X**	Price
3/8	3/8	1/4	1-5/8	**MM54FHL10X**	Price
5/8	3/8	1/4	1-7/8	**MM54FHL50X**	Price

Arbor Adapters Small Reinforced Cut-Off Wheels



Shank	Arbor	Order No.	Price
1/4	1/2	**MG581412**	Price
1/4	1/4	**MG581414**	Price
1/4	3/8	**MG581438**	Price

CRATEX® Wheel Mandrel

- Wheel Mandrel No. 1342 has a 1/4" Shank and is designed for 1/4" center hole wheels up to 3" diameter by 1/2" thick or less

Maximum Safe Speeds based on 1/2" overhang are:

- 1-1/1" dia. -15,000 R.P.M.
- 2" dia. - 10,500 R.P.M.
- 2-1/2" dia. - 8,300 R.P.M.
- 3" dia. - 7,000 R.P.M.
- These speeds are based on 5,500 Surface Feet per Minute



Order No.	Price
MG641342	Price

Adapter for Plain Arbor Hole

- Used with reinforced depressed center wheels to adapt for use on right angle head grinders



Order No.	Price
MG40D35	Price

Cartridge Roll Mandrels



Dia. (in.)	Length (in.)	Shank (in.)	Order No.	Price
3/32	1	1/8	**MM60M300**	Price
1/8	3/4	1/4	**MM60M100**	Price
1/8	1	1/4	**MM60CR9**	Price
1/8	1-1/2	1/4	**MM60CR10**	Price
3/16	1	1/4	**MM60CR16**	Price
3/16	1-1/2	1/4	**MM60CR17**	Price
1/4	1	1/4	**MM60M200**	Price
1/4	1-1/2	1/4	**MM60CR22**	Price

CRATEX® Cone Mandrel

- Rubberized Abrasive Cones are designed to fit Cratex Cone Mandrel No. 1341, 1/4" Shank
- Maximum Safe Speed 20,000 R.P.M. with 1/2" overhang (exposed mandrel length) or less
- For each additional 1/4" of overhang the Maximum Safe Speed is decreased by at least 20%



Order No.	Price
MG641341	Price

CRATEX® Point Mandrels

- Mandrels No. 1 and 4 have a 3-48 thread and a hex nut flange
- Mandrel No. 6 has a No, 5-40 thread and a hex nut flange
- Mandrel No. 9 has a No. 5 screw thread and a fixed shoulder flange



Shank (in.)	For Use With	Order No.	Price
1/4	No. 11, 12, 14, 15 Points, 1/8 Hole	**MG64M9**	Price
1/8	No. 11, 12, 14, 15 Points, 1/8 Hole	**MG64M6**	Price
1/8	No. 4, 6, 8, 10 Points, 1/16 Hole	**MG64M4**	Price
3/32	No. 4, 6, 8, 10 Points, 1/16 Hole	**MG64M1**	Price

CRATEX® Small Wheel Mandrels

- Maximum Safe Speed 25,000 R.P.M with 1/2" overhang (exposed mandrel length) or less
- For ech additional 1/4" of overhang Maximum Safe Speed is decreased by at least 20%
- Use a light work pressure



Shank Size (in.)	For Use With	Order No.	Price
3/32	1/16" Hole Small Wheels	**MG642**	Price
1/8	1/16" Hole Small Wheels	**MG643**	Price
1/8	1/8" Hole Small Wheels	**MG645**	Price
1/4	1/8" Hole Small Wheels	**MG648**	Price

CARBORUNDUM Reinforced Cut-Off Wheels for Stationary Machines with Fixed Bases

- Ideal for most metals
- Fast and free cutting action
- Provides straight cuts
- Burn-free — long life
- High strength externally reinforced to resist breakage
- Available in Two Gradings – Fast Cut & Long Life





Style - Fast Cut				
Size (in.)	Grading	Max RPM	Order No.	Price
10 x 3/32 x 5/8	A30-RBFW	6110	**MG4609216**	Price
12 x 1/8 x 1	A30-RBFW	5095	**MG4607069**	Price
14 x 1/8 x 1	A30-RBFW	4365	**MG4607070**	Price
16 x 5/32 x 1	A30-RBFW	3820	**MG4607071**	Price
20 x 3/16 x 1	A30-RBFIW+	2710	**MG4609204†**	Price
20 x 5/32 x 1	A30-RBFW	2710	**MG4607072**	Price

Style - Long Life				
Size (in.)	Grading	Max RPM	Order No.	Price
10 x 3/32 x 5/8	A24-TBFW	6110	**MG4607063**	Price
14 x 1/8 x 1	A24-TBFW	4365	**MG4607065**	Price
16 x 5/32 x 1	A24-TBFW	3820	**MG4607066**	Price
20 x 3/16 x 1	A24-TBFIW+	2710	**MG4607068†**	Price
20 x 5/32 x 1	AW24-TBFW	2710	**MG4607067**	Price

† These wheels are internally reinforced.

CARBORUNDUM Non-Reinforced Resinoid Bond Aluminum Oxide Abrasive Cut-Off Wheels for Metal

- Ideal for precision slotting and cutting
- Fast cutting action and long life
- Free cutting action - burn free cutting
- Carton Qty: 10 Pcs.



Size (in.)	Grading	Max. RPM	Order No.	Price
6 x 1/16 x 1-1/4	A60-OB5SW	7640	**MG4609188**	Price
7 x 1/32 x 1-1/4	A60-MB5SW	5460	**MG4601923**	Price
7 x 1/32 x 1-1/4	A60-OB5SW	5460	**MG4609187**	Price
7 x 1/32 x 1-1/4	A70-QB5SW	5460	**MG4609186**	Price
7 x 1/16 x 1-1/4	A46-OB5SW	6550	**MG4609185**	Price
7 x 1/16 x 1-1/4	A60-OB5SW	6550	**MG4609184**	Price
8 x 1/16 x 1-1/4	A46-OB5SW	5730	**MG4609183**	Price
8 x 1/16 x 1-1/4	A60-MB5SW	5730	**MG4601926**	Price
10 x 1/16 x 5/8	A46-QB5RW	4585	**MG4662839**	Price
10 x 1/16 x 5/8	A60-OB5SW	4585	**MG4609181**	Price

CARBORUNDUM Reinforced Resinoid Bond Aluminum Oxide Abrasive Cut-Off Wheels for Metal

- Primarily for cutting high speed steel and tool steels
- Double reinforced - resists breakage
- Provides straight cuts
- Decimal thickness for very narrow cuts
- Fast cutting - long life
- Grading A60 0 BFTK
- 60 Grit
- Carton Qty: 10 Pcs



Size (in.)	Max. RPM	Order No.	Price
6 x .060 x 1-1/4	10190	**MG4601910**	Price
7 x .035 x 1-1/4	8730	**MG4609196†**	Price
7 x .035 x 5/8	8730	**MG4609197**	Price
7 x .060 x 1-1/4	8730	**MG4609194†**	Price
7 x .060 x 5/8	8730	**MG4609195**	Price
8 x .060 x 1-1/4	7640	**MG4609192**	Price

† Grading — BA 60 O BFTK

CARBABRASIVE Reinforced Cut-off Wheels for Hand Held Grinders

- Ideal for cutting off ferrous metals, alloy steels and cast iron
- Aluminum Oxide abrasive - fast cutting action
- Resinoid bond - long life - burn free cutting
- High strength reinforcement - resists breakage
- 2" to 4" Diameter





				1/4		3/8		1/2	
Dia. (in.)	Thickness (in.)	Grit	RPM	Order No.	Price	Order No.	Price	Order No.	Price
2	1/16	36	31510	**MG58B20200**	Price	**-**	-	**-**	-
3	1/16	36	25100	**MG58B30200**	Price	**MG58B3020**	Price	**-**	-
3	1/32	60	25100	**MG58B30100**	Price	**MG58B3010**	Price	**-**	-
3	1/8	36	25100	**-**	-	**MG58B3040**	Price	**-**	-
4	1/32	60	20140	**MG58B40100**	Price	**MG58B4010**	Price	**MG58B4011**	Price

Chop Saw Blades - Type 1

- A: Aluminum Oxide – Metal & Steel. 14″ available in single and double fiberglass reinforced
- ALU: Aluminum Oxide – Special non-loading formulation for cutting aluminum
- WA: White Aluminum Oxide – Excellent on stainless steel, ferrous metals. Single reinforced
- ZA: Zirconia Aluminum Oxide – Metal & Stainless; High performance cutting, recommended on thicker stock applications such as angle iron, angle bars





Wheel Size (in.)	Gradings	Max RPM	Carton Qty.	Order No.	Price
12 x 3/32 x 1	A36-PBF Double	5100	10	**MG9035575**	Price
14 x 3/32 x 1	A30-N-BF Aluminum	4400	10	**MG9036122**	Price
14 x 3/32 x 1	A30-PBF Single	4400	10	**MG9035670**	Price
14 x 3/32 x 1	A36-PBF Double	4400	10	**MG9035576**	Price
14 x 3/32 x 1	WA30-P Stainless	4400	10	**MG9036123**	Price
14 x 3/32 x 1	ZA24-S Double	4400	10	**MG9036125**	Price
16 x 3/32 x 1	A36-PBF Double	3820	10	**MG9036133**	Price

Fast Cut Chop Saw Wheels

- Aluminum oxide grain for use on metal, steel and general applications





Wheel Size (in.)	Specification	RPM	Carton Qty.	Order No.	Price
10 x 3/32 x 5/8	A24-RBF	6100	10	**MG9070110**	Price
12 x 3/32 x 1	A36-PBF	5100	10	**MG9070112**	Price
14 x 3/32 x 1	A30-PBF	4400	10	**MG9070113**	Price
14 x 7/64 x 1	Q36-P-BF	4400	10	**MG9036234**	Price

Reinforced Cut-Off Wheels for Low Powered Bench Top Chop Saws

- Ideal for cutting light tubing, angle iron, exhaust pipes and steel extrusions
- Aluminum oxide for fast cutting action
- Free cutting action – burn free
- Carton Qty: 10 Pcs.



GOLD Aluminum Oxide Abrasive

Size (in.)	Grading	RPM	Order No.	Price
12 x 3/32 x 1	A36-PBFW	5095	**MG4607085**	Price
14 x 3/32 x 1	A36-PBFW	4365	**MG4607086**	Price
14 x 3/32 x 1	A36-NBFW	4365	**MG4607087**	Price
16 x 3/32 x 1	A36-PBFW	3820	**MG4607088**	Price

Reinforced Cut-Off Wheels for Stationary Machines with Fixed Bases

- A: Aluminum Oxide – General purpose, use on most metals and steels
- C: Silicon Carbide – Use on concrete
- WA: White Aluminum Oxide – Use on stainless steel. Contaminate free: iron, sulfer and chlorine ≤ 0.1%
- Z: Zirconia – All applications, premium cutting wheel
- CGW wheels provide fast and free cutting action with straight cuts



Wheel Size (in.)	Spec	RPM	Carton Qty.	Order No.	Price
10 x 1/8 x 1	A24-RBF	6110	10	**MG9035580**	Price
12 x 1/8 x 1	A24-RBF	5100	10	**MG9035581**	Price
14 x 1/8 x 1	A24-RBF	4400	10	**MG9035582**	Price
14 x 1/8 x 1	C24-RBF	4400	10	**MG9037671**	Price
14 x 1/8 x 1	W36-PBF	4400	10	**MG9045089**	Price
16 x 5/32 x 1	A24-RBF	3820	10	**MG9035584**	Price

Fast Cut Stationary Saw Wheels

- Aluminum oxide grain for use on metal, steel and general applications





Wheel Size (in.)	Specification	RPM	Carton Qty.	Order No.	Price
10 x 1/8 x 5/8	A24-RBF	6100	10	**MG9070111**	Price
12 x 1/8 x 1	A24-RBF	5100	10	**MG9070105**	Price
14 x 1/8 x 5/8	A24-QBF	4400	10	**MG9036233**	Price
16 x 5/32 x 1	A24-RBF	3820	10	**MG9070106**	Price
18 x 5/32 x 1	A24-RBF	3400	10	**MG9070107**	Price
20 x 5/32 x 1	A24-RBF	3100	10	**MG9070108**	Price
20 x 5/32 x 1	A24-RBF	3100	10	**MG9070146**	Price
20 x 3/16 x 1	A24-RBF	3100	10	**MG9070109**	Price
20 x 3/16 x 1	A24-RBF	3100	10	**MG9070147**	Price

Super Quickie Cut Reinforced Cut-Off Wheels Type 1 & Type 27

- #1 Wheel choice for steel applications





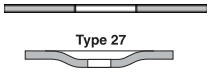


Style - Type 1					
Size	Spec.	Max. RPM	Carton Qty.	Order No.	Price
4-1/2 x .045 x 7/8	A60-TBF	13300	50	**MG9045102**	Price

Style - Type 27					
Size	Spec.	Max. RPM	Carton Qty.	Order No.	Price
4-1/2 x .045 x 7/8	A60-TBF	13300	50	**MG9045103**	Price

Super Quickie Contaminate Free Cut-Off Wheels Type 1 & Type 27

- Contaminate-free wheel #1 wheel choice for stainless steel applications







Style - Type 1					
Size (in.)	Spec.	Max. RPM	Carton Qty.	Order No.	Price
4-1/2 x .035 x 7/8	A60-TBF	13300	50	**MG9045041**	Price
4-1/2 x .045 x 7/8	A60-TBF	13300	50	**MG9045042**	Price
5 x .045 x 7/8	A60-TBF	12250	50	**MG9045104**	Price
6 x .045 x 7/8	A60-TBF	10200	25	**MG9045080**	Price

Style - Type 27					
Size (in.)	Spec.	Max. RPM	Carton Qty.	Order No.	Price
4-1/2 x .045 x 7/8	A60-TBF	13300	50	**MG9045099**	Price

Circular Saw Blades Type 1

Fast Cut

- Aluminum oxide grain for use on metal, steel and general applications





Size (in.)	Grading	Max. RPM	Carton Qty.	Order No.	Price
7 x .045 x 5/8	A60-SBF	8600	25	**MG9037573**	Price
7 x .045 x 5/8	C30-RBF	8600	25	**MG9037574**	Price
7 x 3/32 x 5/8	A24-RBF	8600	25	**MG9035573**	Price
7 x 3/32 x 5/8	A24-RBF	8600	25	**MG9059109**	Price
7 x 3/32 x 5/8	C24-RBF	8600	25	**MG9035574**	Price
7 x 3/32 x 5/8	C24-RBF	8600	25	**MG9059110**	Price

Quickie Cut™ Aluminum Cut-Off Wheels

- Premium aluminum oxide grain and A46-N grade bond engineered for superior non-loading cuttng action
- Suitable for aluminum cutting and non-ferrous metals



Size (in.)	Grit	Max. RPM	Carton Qty.	Order No.	Price
4-1/2 x .045 x 7/8	46NBF	13300	25	**MG9053255**	Price
5 x .045 x 7/8	46NBF	12200	25	**MG9053256**	Price

High Speed Gas & Electric Saw Blades – Type 1

- All 12-14″ wheels are electronically balanced and will cut metal, iron, cast iron
- A24R: Aluminum Oxide – Metal & steel, stainless, general purpose. 14″ are triple reinforced
- AC: Use on ductile iron. 14″ are triple reinforced







Size (in.)	Grading	Max. RPM	Carton Qty.	Order No.	Price
12 x 5/32 x 1	A24-RBF	6400	10	**MG9035589**	Price
12 x 5/32 x 1	AC24-RBF	6400	10	**MG9035592**	Price
12 x 5/32 x 20mm	A24-RBF	6400	10	**MG9035587**	Price
12 x 5/32 x 20mm	AC24-RBF	6400	10	**MG9035590**	Price
14 x 5/32 x 1	A24-RBF	5500	10	**MG9035600**	Price
14 x 5/32 x 1	AC24-RBF	5500	10	**MG9035602**	Price
14 x 5/32 x 20mm	A24-RBF	5500	10	**MG9035599**	Price
14 x 5/32 x 20mm	AC24-RBF	5500	10	**MG9035601**	Price

Aluminum Oxide Large Cutting Chop Saws

- Premium Aluminum oxide grains provide an even, sharp, clean cut and a hard bond extends life and maximizes performance
- Type 1

New!



Dia. (in.)	Thickness (in.)	Spec	RPM	Hole Size (in.)	Std. Pack	Order No.	Price
12	3/32	A46T	5100	1	25	**MK5157090**	Price
14	1/8	A30R	4400	1	10	**MK5157091**	Price
14	3/32	A36N	4400	1	10	**MK5157093**	Price
14	3/32	A46T	4400	1	10	**MK5157092**	Price

Portable Saw Cut-Off Wheels

- Ductile™ - A/O and Silicon Carbide combination for ductile pipe, concrete, cast iron, hard metals



Size (in.)	Max. RPM	Order No.	Price
14 x 1/8 x 1	5400	**MG4123453**	Price
12 x 1/8 x 1	6300	**MG4123415**	Price
12 x 1/8 x 20mm	6300	**MG4123425**	Price
14 x 1/8 x 20mm	5460	**MG4123458**	Price

Zip Plus Aluminum Oxide Cut Off Wheel

- Excellent performance for cutting material 1/8” and thicker
- Type 27 wheels are equipped with a metal hub cladding for extra strength, control and safety
- The preferred wheel for flush cutting in confined spaces

New!



Wheel Type - Type 1						
Dia. (in.)	Grit	Hole Size (in.)	RPm	Std. Pack	Order No.	Price
4-1/2	60	7/8	13000	25	**WS0111T242**	Price
4-1/2	60	7/8	13000	25	**WS0111T453**	Price

Quickie Cut™ Extra Thin Reinforced Cut-Off Wheels — Type 1

- A60-TB-Flex bond wheels are .040 thick, cut fast, last long and flex
- .045 wheels cut fast and offer longer life
- Cuts steel/stainless





Right Angle Grinder

Size (in.)	Grading	Max. RPM	Carton Qty.	Order No.	Price
4 x .040 x 5/8	A60-TB-Flex	19000	25	**MG9045014**	Price
4-1/2 x .035 x 7/8	A60-TB-Flex	13300	25	**MG9045010**	Price
4-1/2 x .045 x 7/8	A36-TBF	13300	25	**MG9035514**	Price
5 x .040 x 7/8	A60-TB-Flex	12250	25	**MG9045011**	Price
5 x .045 x 7/8	A36-TBF	12250	25	**MG9035516**	Price
6 x .040 x 1/2	A60-TB-Flex	10200	25	**MG9045050**	Price
6 x .040 x 3/8	A60-TB-Flex	10200	25	**MG9045051**	Price
6 x .040 x 5/8	A60-TB-Flex	10200	25	**MG9045016**	Price
6 x .040 x 7/8	A60-TB-Flex	10200	25	**MG9045012**	Price
6 x .045 x 7/8	A36-TBF	10200	25	**MG9035517**	Price
7 x .040 x 7/8	A60-TB-Flex	8600	25	**MG9045013**	Price
7 x .045 x 7/8	A36-TBF	8600	25	**MG9035518**	Price

Quickie Cut™ Extra Thin Reinforced Cut-Off Wheels — Type 27

- Zirconia provides faster cutting, longer life
- Great on steel/stainless





Right Angle Grinder

Type 27



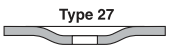
Size (in.)	Grading	Max. RPM	Carton Qty.	Order No.	Price
4 x .045 x 5/8	ZA60-SBF	15300	25	**MG9045001**	Price
4-1/2 x .045 x 7/8	ZA60-SBF	13300	25	**MG9045002**	Price
5 x .045 x 7/8	ZA60-SBF	12250	25	**MG9045005**	Price
6 x .045 x 7/8	ZA60-SBF	10200	25	**MG9045007**	Price
7 x .045 x 7/8	ZA60-SBF	8600	25	**MG9045008**	Price
9 x .060 x 7/8	ZA60-SBF	6600	25	**MG9045047**	Price

Quickie Cut™ Cut/Grind Combo. Cut-Off Wheel - .075 (5/64)

- Extra-thin combination cut-off wheels - cut and grind with ONE wheel
- Breakthrough design for fast cutting and smooth grinding action
- Save production time and cost
- For stainless steel and steel
- Available while supplies last



Type 27





Size (in.)	Spec.	RPM	Order No.	Price
4-1/2 x .075 x 7/8	A46U	13300	**MG9070094**	Price
4-1/2 x .075 x 5/8-11	A46U	13300	**MG9070095**	Price

Reinforced Cut-Off Wheels

Z-Tech High Performance

- High performance special Zirconium grain for ferrous and non-ferrous metals
- A60S – General purpose Aluminum Oxide grain for ferrous metals



Style - Type 1					
		A60S - Aluminum Oxide		Z-Tech Zirconium	
Size (in.)	Max. RPM	Order No.	Price	Order No.	Price
4 x .045 x 5/8	19000	-	-	**MG4123323**	Price
4 x .090 x 5/8	19000	**MG4123803**	Price	-	-
4-1/2 x .045 x 7/8	13300	**MG4123101**	Price	**MG4123324**	Price
4-1/2 x .090 x 7/8	13300	**MG4123804**	Price	-	-
5 x .045 x 7/8	12200	**MG4123103**	Price	-	-
6 x .045 x 5/8	10200	**MG4123105**	Price	**MG4123326**	Price
6 x .045 x 7/8	10200	**MG4123106**	Price	**MG4123327**	Price
6 x .090 x 7/8	10200	**MG4123806**	Price	-	-
7 x .045 x 5/8	8500	**MG4123107**	Price	-	-
7 x .045 x 7/8	8500	-	-	**MG4123328**	Price
7 x .090 x 7/8	8500	**MG4123807**	Price	-	-

Style - Type 27					
		A60S - Aluminum Oxide		Z-Tech Zirconium	
Size (in.)	Max. RPM	Order No.	Price	Order No.	Price
4 x .045 x 5/8	19000	**MG4122011**	Price	**MG4123333**	Price
4-1/2 x .045 x 7/8	13300	**MG4122021**	Price	**MG4123334**	Price
4-1/2 x .090 x 7/8	13300	**MG4120903**	Price	-	-
5 x .045 x 7/8	12200	**MG4122071**	Price	**MG4123335**	Price
5 x .090 x 7/8	12200	**MG4120904**	Price	-	-
6 x .045 x 7/8	10200	**MG4122047**	Price	**MG4123336**	Price
6 x .090 x 7/8	10200	**MG4120905**	Price	-	-
7 x .045 x 7/8	8500	**MG4122053**	Price	**MG4123337**	Price
7 x .090 x 7/8	8500	**MG4120906**	Price	-	-

Contaminate-Free Thin Reinforced Cut-Off Wheels — Type 1 & Type 27

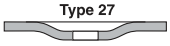
- Iron, Sulfur, and Chlorine ≤ 0.1%
- Cuts steel/stainless





Right Angle Grinder

Type 27



Style - Type 1					
Wheel Size (in.)	Grading	Max.RPM	Carton Qty.	Order No.	Price
4-1/2 x .045 x 7/8	WA36-TBF	13300	25	**MG9035515**	Price
5 x .045 x 7/8	WA36-TBF	12250	25	**MG9036301**	Price
6 x .045 x 7/8	WA36-TBF	12700	25	**MG9036302**	Price

Style - Type 27					
Wheel Size (in.)	Grading	Max.RPM	Carton Qty.	Order No.	Price
4-1/2 x .045 x 7/8	WA36-TBF	13300	25	**MG9045003**	Price
5 x .045 x 7/8	WA36-TBF	12250	25	**MG9045006**	Price
6 x .045 x 7/8	WA36-TBF	10200	25	**MG9045017**	Price
7 x .045 x 7/8	WA36-TBF	8600	25	**MG9045009**	Price

WEILER Premium Aluminum Oxide Cutting Wheels

New!



- Premium aluminum oxide grains provide an even, sharp, clean cut and a hard bond extends life and maximizes performance
- Type 1

TIGER

Dia. (in.)	Thickness (in.)	Spec	RPM	Hole Size (in.)	Std. pack	Order No.	Price
3	.035	A60T	25000	3/8	100	**MK5157001**	Price
3	1/16	A36T	25000	3/8	100	**MK5157060**	Price

WEILER Aluminum Cut-Off Wheels

TIGER

New!



- Tiger Aluminum wheels are specifically designed for high performance cutting on aluminum
- These wheels blend abrasive grains with Weiler's non-loading formula, resulting in a fast and consistent cut rate on aluminum

Style - Type 1			
Size (in.)	Standard Pk.	Order No.	Price
4-1/2 x .045 x 7/8	25	**MK5158200**	Price
5 x .045 x 7/8	25	**MK5158201**	Price
6 x .045 x 7/8	25	**MK5158202**	Price

Style - Type 27			
Size (in.)	Standard Pk.	Order No.	Price
4-1/2 x .045 x 5/8-11	10	**MK5158206**	Price
4-1/2 x .045 x 7/8	25	**MK5158205**	Price
5 x .045 x 5/8-11	10	**MK5158208**	Price
5 x .045 x 7/8	25	**MK5158207**	Price
6 x .045 x 5/8-11	10	**MK5158210**	Price
6 x .045 x 7/8	25	**MK5158209**	Price

WEILER Ultracut True 1MM Cutting Wheels



TIGER

- Delivers lightning fast, super smooth, clean cuts
- Dual reinforcement provides added strength for aggressive cutting
- Contaminant-free INOX wheels provide a worry free solution for stainless steel applications
- Smooth outer layer on performance cutting wheels reduces friction that translates to an effortless cut and less kickback during operation

New!

Dia. (in.)	Thickness	Grit	Spec	RPM	Std. Pack	Order No.	Price
4-1/2	1mm	60	INOX60T	13000	50	**MK5158130**	Price
4-1/2	1mm	60	Z60T	13000	50	**MK5158005**	Price
5	1mm	60	INOX60T	12200	50	**MK5158131**	Price
5	1mm	60	Z60T	12200	50	**MK5158006**	Price

WEILER Zirconia Alumina Cutting Wheels

TIGER



New!

- Cuts faster and last longer so you get proven productivity at an exceptional total cost
- Designed for hard core Welding & Fabrication professionals who need the best soltion for the toughest jobs
- Best on carbon steel, stainless steel, armored steel, structural steel, cast iron and inconel

Dia. (in.)	Spec	RPM	Hole Size (in.)	Std. Pack	Wheel Type	Order No.	Price
4-1/2	Z60T	13000	7/8	25	Type 1	**MK5158000**	Price
4-1/2	Z60T	13000	7/8	25	Type 27	**MK5158020**	Price
5	Z60T	12200	7/8	25	Type 1	**MK5158001**	Price
5	Z60T	12200	7/8	25	Type 27	**MK5158021**	Price
6	Z60T	10200	7/8	25	Type 1	**MK5158002**	Price
6	Z60T	10200	7/8	25	Type 27	**MK5158022**	Price
7	Z60T	8500	7/8	25	Type 1	**MK5158003**	Price
7	Z60T	8500	7/8	25	Type 27	**MK5158023**	Price

WEILER Inox White Aluminum Oxide Cutting Wheels

TIGER

New!



- Specifically designed for high performance on stainless steel
- These wheels incorporate a contaminant-free bond that delivers a worry free solution for stainless steel applications
- 0 - 90° angled

					Type 1			Type 27		
Dia. (in.)	Thickness (in.)	Spec	RPM	Hole Size	Std. Pack	Order No.	Price	Std. Pack	Order No.	Price
4-1/2	.045	INOX60S	13000	5/8-11	-	-	-	10	**MK5158109**	Price
4-1/2	.045	INOX60S	13000	7/8	25	**MK5158100**	Price	25	**MK5158110**	Price
5	.045	INOX60S	12200	7/8	25	**MK5158101**	Price	25	**MK5158111**	Price
6	.045	INOX60S	10200	5/8-11	-	-	-	10	**MK5158113**	Price
6	.045	INOX60S	10200	7/8	25	**MK5158102**	Price	25	**MK5158112**	Price
7	.045	INOX60S	8500	7/8	25	**MK5158103**	Price	-	-	-

WEILER Long Life Premium Aluminum Oxide Cutting Wheels

TIGER

New!



- Delivers the right combination of performance and value
- Versatile line up offers a long life solution for all your general purpose applications
- Best on carbon steel, structural steel, cast iron and general purpose metal use

				Type 1			Type 27					
				7/8			5/8-11			7/8		
Dia. (in.)	Thickness	Grit	RPM	Std. pack	Order No.	Price	Std. pack	Order No.	Price	Std. pack	Order No.	Price
4-1/2	.045	60	13000	25	**MK5157020**	Price	10	**MK5157040**	Price	25	**MK5157041**	Price
4-1/2	.062	60	13000	25	**MK5157061**	Price	-	-	-	-	-	-
4-1/2	.093	60	13000	-	-	-	10	**MK5157080**	Price	25	**MK5157081**	Price
5	.045	60	12200	25	**MK5157021**	Price	10	**MK5157042**	Price	25	**MK5157043**	Price
5	.093	60	12200	-	-	-	10	**MK5157082**	Price	25	**MK5157083**	Price
6	.045	60	10200	25	**MK5157022**	Price	10	**MK5157044**	Price	25	**MK5157045**	Price
7	.060	60	8500	25	**MK5157023**	Price	-	-	-	-	-	-
9	.062	60	6600	-	-	-	-	-	-	25	**MK5157047**	Price

WEILER Max Performance Ceramic Cutting Wheels

- Life and cut rate for maximum productivity
- Self sharpening and cool cutting

New!

- Ceramic grain removes material effortlessly while a hard bond keeps working longer
- Best on tool steel, inconel, high nickel alloy, titanium, armored steel

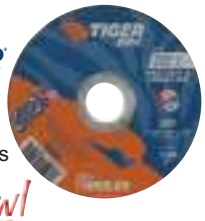
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				Type 1			Type 27					
				7/8			5/8-11			7/8		
Dia. (in.)	Thickness (in.)	Spec	RPM	Std. Pack	Order No.	Price	Std. Pack	Order No.	Price	Std. Pack	Order No.	Price
4-1/2	.045	CER60S	13000	25	**MK5158300**	Price	10	**MK5158306**	Price	25	**MK5158305**	Price
5	.045	CER60S	12200	25	**MK5158301**	Price	10	**MK5158308**	Price	25	**MK5158307**	Price
6	.045	CER60S	10200	25	**MK5158302**	Price	10	**MK5158310**	Price	25	**MK5158309**	Price
7	.045	CER60S	8500	25	**MK5158303**	Price	-	-	-	-	-	-
7	.060	CER60S	8500	-	-	-	-	-	-	25	**MK5158311**	Price
7	3060	CER60S	8500	-	-	-	10	**MK5158312**	Price	-	-	-

WEILER White Aluminum Oxide Inox Combo Wheels

TIGER



- Long life cut & grind combo wheels deliver true flexibility and efficiency when switching between cutting and grinding for stainless steel applications
- Contaminent-Free for Stainless Steel
- Standard pack for 5/8-11 Hole size: 10
- Standard pack for 7/8" Hole size: 25

New!

				5/8-11		7/8	
Dia. (in.)	Thickness (in.)	Spec	RPM	Order No.	Price	Order No.	Price
4-1/2	1/8	INOX30T	13000	**MK5158114**	Price	**MK5158115**	Price
7-1/8	1/8	INOX30T	8500	**MK5158116**	Price	**MK5158117**	Price
9	1/8	INOX24R	6600	**MK5158118**	Price	**MK5158119**	Price

WEILER Premium Aluminum Oxide Combo Wheels

TIGER



- Long life combo on metal
- Delivers true flexibility and efficiency when switching between cutting and grinding
- Type 27
- Standard pack for 5/8-11 Hole size: 10
- Standard pack for 7/8 Hole size: 25

New!

				5/8-11		7/8	
Dia. (in.)	Thickness (in.)	Spec	RPM	Order No.	Price	Order No.	Price
4-1/2	1/8	A30S	13000	**MK5157100**	Price	**MK5157101**	Price
5	1/8	A30S	12200	**MK5157102**	Price	**MK5157103**	Price
6	1/8	A30S	10200	**MK5157108**	Price	**MK5157109**	Price
7	1/8	A30S	8500	**MK5157104**	Price	**MK5157105**	Price
9	1/8	A30S	6600	**MK5157106**	Price	**MK5157107**	Price

WEILER Zirconia Alumina Combo Wheels

TIGER



- High performance cut & grind combo wheels
- Harder, sharper, faster cutting grains provide a fast, consistent performance on steel and stainless steel
- Type 27
- Standard pack for 5/8-11 Hole size: 10
- Standad pack for 7/8" Hole size: 25

New!

				5/8-11		7/8	
Dia. (in.)	Thickness (in.)	Spec	RPM	Order No.	Price	Order No.	Price
4-1/2	1/8	Z30T	13000	**MK5158050**	Price	**MK5158051**	Price
5	1/8	Z30T	12200	**MK5158052**	Price	**MK5158053**	Price
6	1/8	Z30T	10200	**MK5158054**	Price	**MK5158064**	Price
7	1/8	Z30T	8500	**MK5158055**	Price	**MK5158056**	Price
9	1/8	Z30T	6600	**MK5158057**	Price	**MK5158058**	Price

WEILER Ceramic Alumina Combo Wheels

- Self-sharpening grain deliveres a superior combination of life and cut rate
- Ideal for stainless steel and other hard-to-cut metals
- Type 27

New!

TIGER



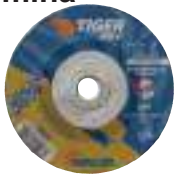
			5/8-11		7/8	
Dia. (in.)	Grit	RPM	Order No.	Price	Order No.	Price
4-1/2	30	13000	**MK5158316**	Price	**MK5158315**	Price
5	30	12200	**MK5158318**	Price	**MK5158317**	Price
6	30	10200	**MK5158320**	Price	**MK5158319**	Price
7	30	8500	**MK5158322**	Price	**MK5158321**	Price
9	30	6600	**MK5158324**	Price	**MK5158323**	Price

WEILER Roughneck Zirconia Alumina Combo Wheels

New!

- Ceramic Infused Roughneck combo wheels are thicker than pipeliner and designed to switch between cutting and grinding applications on the pipeline
- Type 27

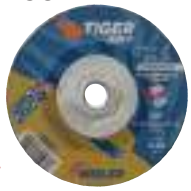
TIGER



Dia. (in.)	Thickness (in.)	Spec	RPM	Hole Size (in.)	Std. Pack	Order No.	Price
7	1/8	Z30T	8500	5/8-11	10	**MK5158065**	Price
9	1/8	Z30T	6600	5/8-11	10	**MK5158063**	Price

WEILER Zirconia Alumina Roughneck Pipeliner Wheels

TIGER



- Ceramic Infused Roughneck wheels are designed for tough root pass notching and facing applications by combining an 1/8" width for optimized material removal with the right hardness and grain mixture for high demand use on the pipeline
- Type 27

New!

Dia. (in.)	Thickness (in.)	Spec	RPM	Hole Size	Std. Pack	Order No.	Price
4-1/2	1/8	Z30T	13000	5/8-11	10	**MK5158059**	Price
6	1/8	Z30T	10200	5/8-11	10	**MK5158060**	Price
7	1/8	Z30T	8500	5/8-11	10	**MK5158061**	Price
9	1/8	Z30T	6600	5/8-11	10	**MK5158062**	Price

WEILER Aluminum Type 27 Cut & Grind Combo Wheel

TIGER



- Non-loading formula keeps the wheel from gumming up
- Aluminum oxide blend delivers a consistently high cut rate throughout the life of the wheel
- Extended wheel life on aluminum reduces changeovers
- Contaminant-free wheels deliver a worry-free solution for aluminum applications

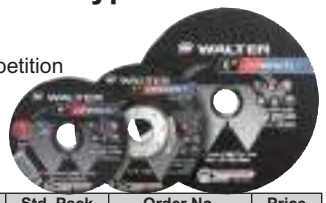
New!

Size (in.)	Standard Pk.	Order No.	Price
4-1/2 x 1/8 x 5/8-11	10	**MK5158216**	Price
4-1/2 x 1/8 x 7/8	25	**MK5158215**	Price
5 x 1/8 x 5/8-11	10	**MK5158218**	Price
5 x 1/8 x 7/8	25	**MK5158217**	Price
6 x 1/8 x 5/8-11	10	**MK5158220**	Price
6 x 1/8 x 7/8	25	**MK5158219**	Price

WALTER Aluminum Oxide Type 1 Cut Off Wheels

- Significantly more cuts than the competition
- Less friction and faster cutting

New!



Dia. (in.)	Grit	Hole Size (in.)	RPM	Std. Pack	Order No.	Price
4-1/2	60	7/8	13000	25	**WS0111T042**	Price
5	60	7/8	12200	25	**WS0111T052**	Price
5	60	7/8	12200	25	**WS0111T152**	Price
6	60	7/8	10000	25	**WS0111T162**	Price
7	30	7/8	8600	25	**WS0111T072**	Price

WALTER Zip Spin-On Aluminum Oxide Type 1 Cut Off Wheels

- Perfectly centered wheel for total operator comfort
- Vibration-free cutting for maximum life, safety and productivity
- Faster, easier wheel change-outs to reduce downtime

New!



Dia. (in.)	Grit	Hole Size (in.)	RPM	Stc. Pack	Order No.	Price
4-1/2	60	5/8-11	13000	25	**WS0111T342**	Price
6	60	5/8-11	10000	25	**WS0111T362**	Price

WALTER Zip One Aluminum Oxide Type 1 Cut Off Wheel

- Fast, free precision cuts
- Clean cutting for less rework
- Unique mix of abrasive grains ensures cool cutting for less discoloration and warping
- Fe-free formulation-guaranteed not to contaminate stainless steel

New!



Dia. (in.)	Grit	Hole Size (in.)	RPM	Std. Pack	Order No.	Price
4-1/2	60	7/8	13000	25	**WS0111T542**	Price

Depressed Center Mini Grinding Wheels - Type 27

- Compact and lightweight for easy use in hard to reach work areas
- Advanced abrasive grain blend for smooth grinding



Size (in.)	Grit	Max. RPM	Order No.	Price
2-5/16 x 5/32 x 3/8	A40	20000	**MG9049682**	Price
2-5/16 x 5/32 x 3/8	A60	20000	**MG9049683**	Price
2-5/16 x 5/32 x 3/8	A80	20000	**MG9049684**	Price

Depressed Center Wheels - Aluminum Oxide - Type 27

- Aluminum oxide grain
- Fiberglass reinforced
- General purpose grinding applications
- Economical choice for cutting iron, steel, stainless steel and other materials



Size (in.)	Grit	Order No.	Price
4-1/2 x 1/8 x 7/8	24	**SP010451257724A**	Price
4-1/2 x 1/8 x 5/8-11	24	**SP010451255724A**	Price
4-1/2 x 1/4 x 7/8	24	**SP010452507724A**	Price
4-1/2 x 1/4 x 5/8-11	24	**SP010452505724A**	Price
7 x 1/8 x 7/8	24	**SP010701257724A**	Price
7 x 1/8 x 5/8-11	24	**SP010701255724A**	Price
7 x 1/4 x 7/8	24	**SP010702507724A**	Price
7 x 1/4 x 5/8-11	24	**SP010702505724A**	Price

3-in-1 Cut-Grind-Finish Depressed Center Wheels - Type 27

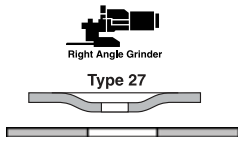
- 3 Jobs, 1 Wheel: Cuts quickly, grinds easily and finishes work surfaces
- Contaminant free: less than 0.1 percent iron, sulfur or chlorine; designed for use on stainless steel
- Fiberglass net reinforcement provides added strength and flexibility
- Ideal for stainless steel and a wide variety of metals and cutting metal profiles and thin pipes, and removing weld slag
- Highly cost effective: eliminate frequent disc changes and stock fewer discs
- Use instead of a flap disc to complete the job with an excellent finish to the workpiece surface



Dia. (in.)	Thickness (in.)	Grit	Arbor Size (in.)	Carton Qty.	RPM	Order No.	Price
4-1/2	3/32 (.094)	36	7/8	25	13300	**MG9045218**	Price
4-1/2	3/32 (.094)	36	5/8-11	10	13300	**MG9045219**	Price
5	3/32 (.094)	36	7/8	25	12250	**MG9045220**	Price
5	3/32 (.094)	36	5/8-11	10	12250	**MG9045221**	Price
6	3/32 (.094)	36	7/8	25	10200	**MG9045222**	Price
6	3/32 (.094)	36	5/8-11	10	10200	**MG9045223**	Price

3/32 (.094) Thin Reinforced Cut-Off Wheels Type1 & Type 27

- Cuts steel/stainless





Style - Type 1					
Size (in.)	Grading	Max. RPM	Carton Qty.	Order No.	Price
4-1/2 x 3/32 x 7/8	A36-SBF	13300	25	**MG9045028**	Price
6 x 3/32 x 7/8	A36-SBF	12700	25	**MG9045046**	Price
7 x 3/32 x 7/8	A36-SBF	8600	25	**MG9045032**	Price

Style - Type 27					
Size (in.)	Grading	Max. RPM	Carton Qty.	Order No.	Price
4-1/2 x 3/32 x 7/8	A36-SBF	13300	25	**MG9045020**	Price
4-1/2 x 3/32 x 5/8-11	A36-SBF	13300	25	**MG9045021**	Price
5 x 3/32 x 7/8	A36-SBF	12250	25	**MG9045022**	Price
6 x 3/32 x 5/8-11	A36-SBF	12700	25	**MG9045025**	Price
6 x 3/32 x 7/8	A36-SBF	12700	25	**MG9045024**	Price
7 x 3/32 x 5/8-11	A36-SBF	8600	25	**MG9045027**	Price
7 x 3/32 x 7/8	A36-SBF	8600	25	**MG9045026**	Price

Vortec Pro Bonded Abrasive Wheels

- Vortec Pro bonded abrasive wheels are designed for general purpose grinding and cutting
- Best on steel, iron and other ferrous metals
- Resin-bond formulated for aggressive stock removal and fast cutting, and is fiberglass reinforced for stability
- Applications: Weld Removal, Rough Grinding, Notching, Cutting and Parting



Size (in.)	Hole Size (in.)	Spec	Std. Pkg.	RPM	Order No.	Price
12 x 3/32 x 1	1	A46T	10	5100	**MK5156239**	Price
2 x 1/16 x 1/4	1/4	A60T	50	30000	**MK5156015**	Price
3 x .035 x 3/8	3/8	A60T	100	25000	**MK5156062**	Price
3 x 1/16 x 1/4	1/4	A36T	100	25000	**MK5156065**	Price
3 x 1/16 x 3/8	3/8	A36T	100	25000	**MK5156068**	Price
3 x 1/16 x 3/8	3/8	A60T	50	25000	**MK5156070**	Price
3 x 1/8 x 3/8	3/8	A36T	50	25000	**MK5156076**	Price
4 x 1/4 x 5/8	5/8	A24R	25	15200	**MK5156473**	Price
4 x 1/8 x 3/8	3/8	A365	50	15200	**MK5156099**	Price
4 x 3/32 x 5/8	5/8	A24R	25	15200	**MK5156474**	Price
4-1/2 x .045 x 7/8	7/8	A60T	50	13000	**MK5156281**	Price
4-1/2 x 1/4 x 7/8	7/8	A24N	25	13000	**MK5156457**	Price
5 x .035 x 5/8	5/8	A605	100	12200	**MK5156108**	Price
5 x .045 x 7/8	7/8	A60S	100	12200	**MK5156392**	Price
5 x 1/16 x 7/8	7/8	A36T	100	12200	**MK5156118**	Price
5 x 3/32 x 5/8-11	5/8-11	A24T	10	12200	**MK5156384**	Price
5 x 3/32 x 7/8	7/8	A24T	25	12200	**MK5156476**	Price
6 x .040 x 7/8	7/8	A60T	25	10200	**MK5156282**	Price
6 x .045 x 7/8	7/8	WA60S	25	10200	**MK5156283**	Price
6 x 1/4 x 5/8-11	5/8-11	A24R	10	10200	**MK5156279**	Price
6 x 1/4 x 7/8	7/8	A24R	25	10200	**MK5156280**	Price
6 x 3/32 x 5/8-11	5/8-11	A24R	10	10200	**MK5156278**	Price
6 x 3/32 x 7/8	7/8	A24R	25	10200	**MK5156277**	Price
7 x .045 7/8	7/8	A60T	25	8500	**MK5156275**	Price
7 x .060 x 7/8	7/8	A60S	25	8500	**MK5156391**	Price
9 x 1/4 x 5/8-11	5/8-11	A24R	10	6600	**MK5156470**	Price
9 x 1/8 x 5/8-11	5/8-11	A24R	10	6600	**MK5156423**	Price
2 x .035 x 1/4	1/4	A60T	100	30000	**MK5156013**	Price
3 x .035 x 1/4	1/4	A60T	100	25000	**MK5156061**	Price
4 x .035 x 3/8	1/4	A60T	50	19000	**MK5156080**	Price
4 x 1/16 x 3/8	1/4	A60T	50	15200	**MK5156086**	Price
4-1/2 x 1/16 x 7/8	7/8	A60T	50	13500	**MK5156103**	Price
4-1/2 x 1/4	5/8-11	A24R	10	13300	**MK5156454**	Price
4-1/2 x 1/4	7/8	A24R	25	13300	**MK5156464**	Price
4-1/2 x 1/8	5/8-11	A24R	10	13300	**MK5156429**	Price
6 x .045 x 7/8	7/8	A60T	25	10200	**MK5156273**	Price
7 x 1/4	5/8-11	A24R	10	8500	**MK5156468**	Price
7 x 1/8	5/8-11	A24T	10	8500	**MK5156425**	Price
14 x 1/8	1	A30R	10	4400	**MK5156230**	Price

3M™ Silver Type 1 Cut Off Wheels

- Engineered precision-shaped grain designed to deliver an unbeatable combination of performance and value

New!



Dia. (in.)	Thickness (in.)	Hole Size (in.)	RPM	Order No.	Price
3	.035	1/4	25465	**TM0187457**	Price
3	.035	3/8	25465	**TM0187458**	Price
3	.060	3/8	25465	**TM0187459**	Price
4	.035	1/4	19100	**TM0187460**	Price
4	.035	3/8	19100	**TM0187461**	Price
4	.060	3/8	19100	**TM0187462**	Price
4-1/2	.040	7/8	13300	**TM0187464**	Price
4-1/2	.045	7/8	13300	**TM0187465**	Price
4-1/2	.045	7/8	13300	**TM0187466**	Price
5	.045	7/8	12250	**TM0187467**	Price
5	.045	7/8	12250	**TM0187468**	Price
6	.045	7/8	10200	**TM0187469**	Price
6	.045	7/8	10200	**TM0187470**	Price

Green Corps™ Flexible Grinding Wheels

- Type 27
- Bonded abrasive wheel
- Offers a high rate of stock removal in a smoother running wheel



Size (in.)	RPM	Grit	Standard Pack	Order No.	Price
4-1/2 x 1/8 x 5/8-11	13300	36	10	**TM0151164**	Price
4-1/2 x 1/8 x 7/8	13300	36	20	**TM0150440**	Price
4-1/2 x 1/8 x 7/8	13300	46	20	**TM0150442**	Price
4-1/2 x 1/8 x 7/8	13300	60	20	**TM0150443**	Price
7 x 1/8 x 5/8-11	8500	36	10	**TM0151163**	Price
7 x 1/8 x 7/8	8500	36	20	**TM0150445**	Price
7 x 1/8 x 7/8	8500	46	20	**TM0150446**	Price

Green Corps™ Depressed Center Wheels

- Type 27
- Bonded abrasive wheel
- Provides a high rate of stock removal and long life
- **10 Pc. Standard pack**



Size (in.)	RPM	Grit	Order No.	Price
4-1/2 x 1/4 x 7/8	13300	24	**TM0155991**	Price
4-1/2 x 1/4 x 7/8	13300	36	**TM0155992**	Price
4-1/2 x 1/4 x 5/8-11	13300	24	**TM0155960**	Price
4-1/2 x 1/4 x 5/8-11	13300	36	**TM0155961**	Price
7 x 1/4 x 7/8	8500	24	**TM0155989**	Price
7 x 1/4 x 7/8	8500	36	**TM0155990**	Price
7 x 1/4 x 5/8-11	8500	24	**TM0155958**	Price
7 x 1/4 x 5/8-11	8500	36	**TM0155959**	Price

Cutting & Grinding Wheels

- Aluminum Oxide
- Type 1 and Type 27
- Bonded abrasive wheel
- Provides a high rate of stock removal and long life
- Do not use on tools without guards
- **10 Pc. Standard pack**



Size (in.)	Type	RPM	Order No.	Price
4 x 1/32 x 3/8	Cut-Off Wheel	21000	**TM0120448**	Price
4 x 1/16 x 3/8	Cut-Off Wheel	21000	**TM0120449**	Price
4-1/2 x 1/4 x 7/8	Depressed Center Grinding Wheel	13300	**TM0192312**	Price
4-1/2 x 1/4 x 5/8-11	Depressed Center Grinding Wheel	13300	**TM0192314**	Price
6 x .045 x 7/8	Cut-Off Wheel	10200	**TM0120447**	Price
7 x 1/4 x 7/8	Depressed Center Grinding Wheel	8500	**TM0192313**	Price

Green Corps™ Cutting and Grinding Wheels

- Type 27
- Grind and cut with one wheel
- Contains 3M™ Cubitron™ Abrasive Grain for added durability
- **Do not use on tools without guards**



Size (in.)	RPM	Grit	Std. Pkg. Qty.	Order No.	Price
4-1/2 x 1/8 x 7/8	13300	36	40	**TM0192316**	Price
7 x 1/8 x 7/8	8500	36	20	**TM0192317**	Price
7 x 1/8 x 5/8-11	8500	36	20	**TM0192319**	Price

Green Corps™ Cut-Off Wheels

- 3M™ Ceramic Abrasive Grain
- Provides high cut rates and long life on most material, including fiberglass, stainless steel and mild steel
- Must be used with ANSI-approved flanges for Type 1 cut-off wheels
- **Do not use on tools without guards**



Size (in.)	RPM	Std. Pkg. Qty.	Order No.	Price
3 x 1/32 x 3/8	35000	50	**TM0101985**	Price
3 x 1/16 x 3/8	28000	50	**TM0101986**	Price
4 x 1/32 x 3/8	26250	50	**TM0101994**	Price
4 x 1/32 x 1/4	26250	50	**TM0188755**	Price
4-1/2 x 3/64 x 7/8	13300	200	**TM0120275**	Price
5 x 3/64 x 7/8	12200	200	**TM0120276**	Price
6 x .045 x 7/8	10200	100	**TM0120349**	Price

High Performance Cut Off Wheels

- For the ideal combination of value and performance, choose these 3M High Performance cut-off wheels for the job
- They feature 3M ceramic abrasive grain for fast cut and long life, and are specially formulated to be used on stainless and mild steel



Wheel Type - Type 1						
Dia. (in.)	Thickness (in.)	Hole Size (in.)	Max. RPM	Std. Pkg. Qty.	Order No.	Price Ea.
3	.035	3/8	25465	25	**TM0166557**	Price
3	.060	1/4	25465	25	**TM0166558**	Price
3	.060	3/8	25465	25	**TM0166559**	Price
4	.035	3/8	19100	25	**TM0166561**	Price
4	.035	5/8	15300	25	**TM0166562**	Price
4	.060	3/8	19100	25	**TM0166563**	Price
4	.090	5/8	15300	25	**TM0166564**	Price
4	1/8	3/8	19100	25	**TM0166567**	Price
4-1/2	.045	7/8	13300	25	**TM0166568**	Price
5	.045	7/8	12250	25	**TM0166569**	Price
6	.045	7/8	10200	25	**TM0166570**	Price
7	.045	7/8	8500	25	**TM0166571**	Price

Wheel Type - Type 27						
Dia. (in.)	Thickness (in.)	Hole Size (in.)	Max. RPM	Std. Pkg. Qty.	Order No.	Price Ea.
4-1/2	.045	7/8	13300	25	**TM0166574**	Price
4-1/2	.090	7/8	13300	25	**TM0166576**	Price
5	.045	7/8	12250	25	**TM0166580**	Price
5	.090	7/8	12250	25	**TM0166582**	Price
6	.045	7/8	10200	25	**TM0166584**	Price
7	.090	7/8	8500	25	**TM0166586**	Price

Wheel Type - Type 27 Quick Change						
Dia. (in.)	Thickness (in.)	Hole Size (in.)	Max. RPM	Std. Pkg. Qty.	Order No.	Price Ea.
4-1/2	.045	5/8-11	13300	25	**TM0166573**	Price
4-1/2	1/8	5/8-11	13300	25	**TM0166577**	Price
6	.045	5/8-11	10200	25	**TM0166583**	Price
7	.090	5/8-11	8500	25	**TM0166585**	Price

3M Cubitron II Depressed Center Grinding Wheels

- Cubitron II cut-off wheels are designed to provide high cut rates and long life on all types of ferrous metals, stainless steels, alloy steels and cast iron



Wheel Type - Type 27						
Dia. (in.)	Thickness (in.)	Hole Size (in.)	Max. RPM	Std. Pkg. Qty.	Order No.	Price Ea.
4	1/4	3/8	15300	10	**TM0166598**	Price
4	1/4	5/8	15300	10	**TM0166597**	Price
6	1/4	7/8	10200	10	**TM0166589**	Price
7	1/4	7/8	8500	10	**TM0166590**	Price
9	1/4	7/8	6650	10	**TM0166591**	Price

Wheel Type - Type 27 Quick Change						
Dia. (in.)	Thickness (in.)	Hole Size (in.)	Max. RPM	Std. Pkg. Qty.	Order No.	Price Ea.
4-1/2	1/4	5/8-11	13300	10	**TM0166596**	Price
6	1/4	5/8-11	10200	10	**TM0166593**	Price

3M High Performance Depressed Center Grinding Wheels

- For the ideal combination of value and performance, choose these 3M High Performance cut-off wheels for the job
- They feature 3M ceramic abrasive grain for fast cut and long life, and are specially formulated to be used on stainless and mild steel



Wheel Type - Type 27						
Dia. (in.)	Thickness (in.)	Hole Size (in.)	Max. RPM	Std. Pkg. Qty.	Order No.	Price Ea.
4	1/4	3/8	15300	10	**TM0166555**	Price
4	1/4	5/8	15300	10	**TM0166554**	Price
4-1/2	1/4	7/8	13300	10	**TM0166544**	Price
5	1/4	7/8	12250	10	**TM0166545**	Price
7	1/4	7/8	8500	10	**TM0166547**	Price
9	1/4	7/8	6650	10	**TM0166548**	Price

Wheel Type - Type 27 Quick Change						
Dia. (in.)	Thickness (in.)	Hole Size (in.)	Max. RPM	Std. Pkg. Qty.	Order No.	Price Ea.
4-1/2	1/4	5/8-11	13300	10	**TM0166553**	Price
5	1/4	5/8-11	12250	10	**TM0166549**	Price
7	1/4	5/8-11	8500	10	**TM0166550**	Price
7	1/4	5/8-11	8500	10	**TM0166551**	Price
9	1/4	5/8-11	6650	10	**TM0166552**	Price

3M Cubitron II Cut Off Wheels

- Cubitron II cut-off wheels are designed to provide high cut rates and long life on all types of ferrous metal, stainless steels, alloy steels and cast iron



Wheel Type - Type 1						
Dia. (in.)	Thickness (in.)	Hole Size (in.)	Max. RPM	Std. Pkg. Qty.	Order No.	Price
3	.035	1/4	25465	25	**TM0166513**	Price
3	.035	3/8	25465	25	**TM0166514**	Price
3	.060	3/8	25465	25	**TM0166516**	Price
4	.035	3/8	19100	25	**TM0166518**	Price
4	.045	5/8	15300	25	**TM0166522**	Price
4	.060	3/8	19100	25	**TM0166520**	Price
4	.090	5/8	15300	25	**TM0166521**	Price
4	1/8	3/8	19100	25	**TM0166524**	Price
4-1/2	.045	7/8	13300	25	**TM0166525**	Price
5	.045	7/8	12250	25	**TM0166526**	Price
6	.045	7/8	10200	25	**TM0166527**	Price
7	.045	7/8n	8500	25	**TM0166528**	Price

Wheel Type - Type 27						
Dia. (in.)	Thickness (in.)	Hole Size (in.)	Max. RPM	Std. Pkg. Qty.	Order No.	Price
4-1/2	.045	5/8-11	13300	25	**TM0166530**	Price
4-1/2	.045	7/8	13300	25	**TM0166531**	Price
4-1/2	.090	5/8-11	13300	25	**TM0166532**	Price
4-1/2	1/8	5/8-11	13300	25	**TM0166534**	Price
4-1/2	1/8	7/8	12250	-	**TM0182279**	Price
4-1/2	1/8	7/8	13300	25	**TM0166535**	Price
5	.045	7/8	12250	25	**TM0166537**	Price
5	.090	7/8	12250	25	**TM0166539**	Price
5	1/8	7/8	13300	-	**TM0182278**	Price
6	.045	5/8-11	10200	25	**TM0166540**	Price
6	.045	7/8	10200	25	**TM0166541**	Price
6	1/8	7/8	10200	-	**TM0128758**	Price
7	.090	5/8-11	8500	25	**TM0166542**	Price
7	.090	7/8	8500	25	**TM0166543**	Price

3M Cubitron II Type Q Depressed Center Grinding Wheels

- 3M Cubitron II Type-Q depressed center grinding wheel uses ceramic aluminum oxide as the abrasive material
- Can be run at a maximum speed of 8,500 RPMs



Wheel Type - Type 27					
Dia. (in.)	Thickness (in.)	Hole Size (in.)	Max. RPM	Order No.	Price
4	1/4	3/8	15300	**TM0178469**	Price
4	1/4	5/8	15300	**TM0178468**	Price
4-1/2	1/4	5/8	13300	**TM0164320**	Price
4-1/2	1/4	5/8-11	13300	**TM0187397**	Price
4-1/2	1/4	5/8-11	13300	**TM0187453**	Price
4-1/2	1/4	7/8	13300	**TM0178466**	Price
5	1/4	5/8	12250	**TM0164317**	Price
5	1/4	5/8-11	12250	**TM0187446**	Price
5	1/4	7/8	12250	**TM0178467**	Price
5	1/4	7/8	12250	**TM0187454**	Price
6	1/4	5/8	10200	**TM0164318**	Price
7	1/4	5/8	8500	**TM0164319**	Price
7	1/4	5/8-11	8500	**TM0187448**	Price
7	1/4	5/8-11	8500	**TM0187451**	Price
7	1/4	7/8	10200	**TM0164314**	Price
7	1/4	7/8	8500	**TM0164315**	Price
9	1/4	5/8	6650	**TM0187153**	Price
9	1/4	5/8-11	6650	**TM0187449**	Price
9	1/4	5/8-11	6650	**TM0187452**	Price
9	1/4	7/8	6650	**TM0164316**	Price

Depressed Center Wheels

Aluminum Oxide A24 Grade
- Soft bond for fast stock removal
- Ideal on metal and low grade stainless

Aluminum Oxide A24 R Grade
- Engineered for longer life and excellent stock removal
- Ideal on metal

Zirconia Alumina
- High performance grinding and very long life
- Zirconia cuts 50% faster, smoother and provides longer life
- Excellent on steel, cast iron and stainless steel



					Aluminum Oxide				Zirconia	
					A24N		A24R		24 Coarse	
Dia. (in.)	Thickness (in.)	Hole Size (in.)	RPM	Carton Qty	Order No.	Price	Order No.	Price	Order No.	Price
3	1/8	3/8	18000	25	-	-	MG9045052	Price	-	-
3	1/4	3/8	18000	25	-	-	MG9045053	Price	-	-
4	1/8	3/8	13500	25	-	-	MG9035671	Price	-	-
4	1/8	5/8	13500	25	-	-	MG9035609	Price	-	-
4	1/4	3/8	13500	25	-	-	MG9035672	Price	MG9045036	Price
4	1/4	5/8	13500	25	MG9035699	Price	MG9035610	Price	-	-
4-1/2	1/8	7/8	13300	25	MG9059100	Price	MG9035612	Price	MG9035614	Price
4-1/2	1/8	5/8-11	13300	10	-	-	MG9035613	Price	-	-
4-1/2	1/8	5/8-11	13300	25	MG9059101	Price	-	-	-	-
4-1/2	1/4	7/8	13300	25	MG9035622	Price	MG9035620	Price	MG9035624	Price
4-1/2	1/4	5/8-11	13300	10	MG9035623	Price	MG9035621	Price	MG9035625	Price
5	1/4	7/8	12200	25	MG9035627	Price	MG9035626	Price	MG9037535	Price
5	1/4	5/8-11	12200	10	MG9035629	Price	MG9035628	Price	MG9037530	Price
6	1/4	7/8	10200	25	MG9036231	Price	MG9035632	Price	-	-
6	1/4	5/8-11	10200	10	MG9036232	Price	MG9035633	Price	-	-
7	1/8	7/8	8500	25	MG9036225	Price	MG9035634	Price	-	-
7	1/8	5/8-11	8500	10	MG9036226	Price	MG9035635	Price	-	-
7	1/4	7/8	8500	25	MG9035642	Price	MG9035640	Price	MG9035644	Price
7	1/4	5/8-11	8500	10	MG9035643	Price	MG9035641	Price	MG9035645	Price
7	1/8	7/8	6600	25	MG9036227	Price	-	-	-	-
9	1/8	5/8-11	6600	10	MG9036228	Price	MG9035649	Price	-	-
9	1/4	7/8	6600	25	MG9035656	Price	MG9035654	Price	MG9035658	Price
9	1/4	5/8-11	6600	10	MG9035657	Price	MG9035655	Price	MG9035659	Price
9	1/8	7/8	6600	25	-	-	MG9035648	Price	-	-

Depressed Center Wheels Type 27 – Contaminate-Free

- Fast stock removal and excellent G-ratio on stainless steel or ferrous metals
- Excellent for food grade and nuclear plant applications
- White Aluminum Oxide grain

CF

Right Angle Grinder

Type 27



Dia. (in.)	Thickness (in.)	Hole Size (in.)	Grit	RPM	Carton Qty.	Order No.	Price
4-1/2	1/4	7/8	WA24-SBF	13300	25	MG9035673	Price
4-1/2	1/4	5/8-11	WA24-SBF	13300	10	MG9035674	Price
4-1/2	1/8	7/8	WA24-SBF	13300	25	MG9035616	Price
4-1/2	1/8	5/8-11	WA24-SBF	13300	10	MG9035617	Price
5	1/4	7/8	WA24-SBF	10200	25	MG9037543	Price
5	1/4	5/8-11	WA24-SBF	10200	10	MG9037531	Price
7	1/4	7/8	WA24-SBF	8600	25	MG9035677	Price
7	1/4	5/8-11	WA24-SBF	8600	10	MG9035678	Price
7	1/8	7/8	WA24-SBF	8600	25	MG9035638	Price
7	1/8	5/8-11	WA24-SBF	8600	10	MG9035639	Price

Depressed Center Wheels Type 28 – A24R

- Aluminum Oxide, R bond
- Fast cuts on steel, cast iron, and welds





Right Angle Grinder

Dia. (in.)	Thickness (in.)	Hole Size (in.)	RPM	Spec	Carton Qty.	Order No.	Price
7	1/4	7/8	8600	A24-R	25	MG9035646	Price
7	1/4	5/8-11	8600	A24-R	10	MG9035647	Price
9	1/4	7/8	6600	A24-R	25	MG9035660	Price
9	1/4	5/8-11	6600	A24-R	10	MG9035661	Price

Depressed Center Wheels Type 27 – Aluminum

- Special non-loading formulation, with soft bond, for grinding on aluminum and non-ferrous metals

Right Angle Grinder

Type 27



Dia. (in.)	Thickness (in.)	Hole Size (in.)	RPM	Spec	Carton Qty.	Order No.	Price
4	1/4	5/8	13300	A30-N-ALU	25	MG9036106	Price
4-1/2	1/4	7/8	13300	A30-N-ALU	25	MG9036107	Price
4-1/2	1/4	5/8-11	13300	A30-N-ALU	10	MG9036108	Price
5	1/4	7/8	10200	A30-N-ALU	25	MG9036109	Price
7	1/4	7/8	8600	A30-N-ALU	25	MG9036111	Price
7	1/4	5/8-11	8600	A30-N-ALU	10	MG9036112	Price
9	1/4	7/8	6600	A30-N-ALU	25	MG9036156	Price

Flexible Grind and Finish Depressed Center Wheels - Type 27

- Flexible wheel structure
- Waffle pattern on wheel face for cooler grinding and longer working life
- Suitable for grinding/deburring applications
- For use on metal, non-ferrous metals, stainless steel, steel



Dia. (in.)	Thick-ness (in.)	Arbor Size (in.)	Grit	Material	Carton Qty.	RPM	Order No.	Price
4-1/2	1/8	7/8	46	Zirconia	25	13300	MG9036265	Price
5	1/8	7/8	46	Aluminum Oxide	25	12250	MG9036267	Price
7	1/8	5/8-11	46	Aluminum Oxide	10	8600	MG9036270	Price

Depressed Center Wheels

Use with Right Angle Air/Electric Grinders Aluminum Oxide Type 27

Z24 R Grade
- High performance grinding for the toughest applications
- Ideal for ferrous metals and stainless

Saitech Ultimate Performance™
- Combines fast stock removal with long life
- Ideal for general purpose grinding of ferrous metals

A24 T Grade
- Hard bond designed for edge and bevel grinding and other applications where a harder wheel if preferred
- Long life and ideal for ferrous metals

A24 N Grade
- Soft bond for fast stock removal
- Ideal for ferrous metals and low grade stainless

A24 R Grade
- Medium bond for longer life
- Ideal for general purpose grinding of ferrous metals









		A24N		A24R		A24T		Saitech UP		Z24R	
Size (in.)	Max. RPM	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
3 x 1/4 x 3/8	18000	**MG4120002**	Price	-	-	-	-	-	-	-	-
4 x 1/8 x 3/8	13500	-	-	**MG4120007**	Price	-	-	-	-	-	-
4 x 1/8 x 5/8	13500	-	-	**MG4122015**	Price	-	-	-	-	**MG4122619**	Price
4 x 1/4 x 3/8	13500	**MG4120012**	Price	-	-	-	-	**MG4120112**	Price	-	-
4 x 1/4 x 5/8	13500	**MG4120015**	Price	**MG4120013**	Price	-	-	**MG4120014**	Price	**MG4122599**	Price
4-1/2 x 1/8 x 7/8	13300	-	-	**MG4122030**	Price	-	-	**MG4122064**	Price	**MG4122620**	Price
4-1/2 x 1/8 x 5/8-11	13300	**MG4122130**	Price	-	-	-	-	-	-	**MG4122630**	Price
4-1/2 x 1/4 x 7/8	13300	**MG4120060**	Price	**MG4120063**	Price	**MG4120065**	Price	**MG4120064**	Price	**MG4122600**	Price
4-1/2 x 1/4 x 5/8-11	13300	**MG4120160**	Price	**MG4120163**	Price	**MG4120165**	Price	**MG4120164**	Price	**MG4122610**	Price
5 x 1/4 x 7/8	12200	**MG4120070**	Price	**MG4120073**	Price	**MG4120075**	Price	**MG4120074**	Price	**MG4122602**	Price
5 x 1/4 x 5/8-11	12200	**MG4120170**	Price	**MG4120173**	Price	**MG4120175**	Price	**MG4120174**	Price	**MG4122612**	Price
6 x 1/4 x 7/8	10200	**MG4120078**	Price	**MG4120079**	Price	**MG4120280**	Price	-	-	**MG4122603**	Price
6 x 1/4 x 5/8-11	10200	**MG4120076**	Price	-	-	-	-	-	-	**MG4122613**	Price
7 x 1/4 x 7/8	8500	**MG4120081**	Price	**MG4120080**	Price	**MG4120285**	Price	**MG4120084**	Price	**MG4122604**	Price
7 x 1/4 x 5/8-11	8500	**MG4120085**	Price	**MG4120086**	Price	**MG4120185**	Price	**MG4120089**	Price	**MG4122614**	Price
7 x 1/8 x 7/8	8500	-	-	**MG4122055**	Price	-	-	**MG4122284**	Price	**MG4122624**	Price
7 x 1/8 x 5/8-11	8500	-	-	**MG4122052**	Price	-	-	**MG4122289**	Price	**MG4122634**	Price
9 x 1/8 x 7/8	6600	-	-	**MG4122065**	Price	-	-	**MG4122294**	Price	**MG4122626**	Price
9 x 1/8 x 5/8-11	6600	-	-	**MG4122062**	Price	-	-	**MG4122299**	Price	**MG4122636**	Price
9 x 1/4 x 7/8	6600	**MG4120091**	Price	**MG4120090**	Price	**MG4120295**	Price	**MG4120094**	Price	**MG4122606**	Price
9 x 1/4 x 5/8-11	6600	**MG4120095**	Price	**MG4120096**	Price	**MG4120195**	Price	**MG4120099**	Price	**MG4122616**	Price

1/8" = 0.125" Thick **Safest 5/8-11 Hub design**

Quantum 3 Depressed Center Wheels - Type 27

- Operator Comfort: with reduced hand fatigue from less cutting vibration
- Less Grinding Time: with a sharper wheel for highest metal removal and reduced pressure from faster cutting action
- Less Downtime & Waste: with longer wheel life sing fewer wheels



Size (in.)	RPM	Order No.	Price
4-1/2 x 1/4 x 5/8-11	13580	**MH60D045070793**	Price
4-1/2 x 1/4 x 7/8	13580	**MH60D045070794**	Price
5 x 1/4 x 5/8-11	12225	**MH60D050070795**	Price
5 x 1/4 x 7/8	12225	**MH60D050070796**	Price
6 x 1/4 x 5/8-11	10185	**MH60D060070797**	Price
6 x 1/4 x 7/8	10185	**MH60D060070798**	Price
7 x 1/4 x 5/8-11	8600	**MH60D070070799**	Price
7 x 1/4 x 7/8	8600	**MH60D070070800**	Price

Depressed Center Wheels — Raised Hub-Type 27

Gemini - Quality aluminum oxide
- Good choice for steel and ferrous metals
- Consistent performance at a competitive price

BlueFire - New zirconia alumina and aluminum oxide blend
- Up to 20% improvement over previous zirconia products
- 3 times the life of aluminum oxide wheels
- Ideal for stainless steel and carbon steel applications
- Excellent performance to price ratio lowers total cutting costs

Norzon Plus-Ceramic and zirconia alumina blend
- Up to 20x performance over aluminum oxide wheels
- Excellent on materials from gray iron to exotic alloys and stainless steel









Type - BlueFire				
Size (in.)	Pkg. Qty.	RPM	Order No.	Price
4 x 1/4 x 3/8	20	15280	**MH60040029899**	Price
4 x 1/4 x 5/8	25	15280	**MH60040043177**	Price
4-1/2 x .045 x 5/8-11	20	13580	**MH60045043223**	Price
4-1/2 x .045 x 7/8	20	13580	**MH60045043219**	Price
4 x 1/8 x 5/8	25	15280	**MH60040043176**	Price
4-1/2 x 1/8 x 5/8-11	20	13580	**MH60040029853**	Price
4-1/2 x 1/8 x 7/8	25	13580	**MH60040043212**	Price
4-1/2 x 1/4 x 5/8-11	20	13580	**MH60045043213**	Price
4-1/2 x 1/4 x 7/8	25	13580	**MH60040043205**	Price
4-1/2 x 1/4 x 7/8	20	13580	**MH60045043214**	Price
5 x 1/8 x 5/8-11	10	12225	**MH60050043215**	Price
5 x 1/8 x 7/8	25	12225	**MH60050043216**	Price
5 x 1/4 x 5/8-11	20	12225	**MH60050043217**	Price
5 x 1/4 x 7/8	20	12225	**MH60050043218**	Price
6 x 1/4 x 5/8-11	10	10185	**MH60060043224**	Price
6 x 1/4 x 7/8	20	10185	**MH60060043203**	Price
7 x 1/8 x 5/8-11	10	8600	**MH60070043233**	Price
7 x 1/8 x 5/8-11	10	8600	**MH60070029862**	Price
7 x 1/8 x 7/8	20	8600	**MH60070029863**	Price
7 x 1/4 x 5/8-11	10	8600	**MH60070043235**	Price
7 x 1/4 x 5/8-11	10	8600	**MH60070043231**	Price
7 x 1/4 x 7/8	20	8600	**MH60070043236**	Price
12 x 7/64 x 1	10	5095	**MH60120043250**	Price

Type - Gemini				
Size (in.)	Pkg. Qty.	RPM	Order No.	Price
3 x 1/4 x 3/8	25	18000	**MH60030042179**	Price
4 x 1/8 x 3/8	25	15280	**MH60040042016**	Price
4 x 1/4 x 3/8	20	15280	**MH60040029748**	Price
4 x 1/4 x 3/8	25	15280	**MH60040042018**	Price
4 x 1/4 x 5/8	25	15280	**MH60040042019**	Price
4 x 1/4 x 5/8	25	15280	**MH60040042183**	Price
4 x 1/8 x 5/8	25	15280	**MH60040042017**	Price
4-1/2 x 1/8 x 5/8-11	25	13580	**MH60040043590**	Price
4-1/2 x 1/8 x 5/8-11	20	13580	**MH60040030435**	Price
4-1/2 x 1/8 x 7/8	25	13580	**MH60040043591**	Price
4-1/2 x 3/16 x 7/8	25	13580	**MH60040043592**	Price
4-1/2 x 1/4 x 5/8-11	10	13580	**MH60040043593**	Price
4-1/2 x 1/4 x 7/8	25	13580	**MH60040042034**	Price
4-1/2 x 1/4 x 7/8	25	13580	**MH60040043594**	Price
4-1/2 x 1/4 x 7/8	25	13580	**MH60040043584**	Price
4-1/2 x .045 x 5/8-11	20	13580	**MH60040019549**	Price
5 x 1/8 x 7/8	25	12225	**MH60050043596**	Price

Type - Gemini				
Size (in.)	Pkg. Qty.	RPM	Order No.	Price
5 x 1/4 x 5/8-11	10	12225	**MH60050043597**	Price
5 x 1/4 x 7/8	25	12225	**MH60050043598**	Price
6 x 1/4 x 5/8-11	10	10185	**MH60060032390**	Price
6 x 1/4 x 7/8	20	10185	**MH60060001865**	Price
7 x 1/8 x 5/8-11	10	8600	**MH60070039259**	Price
7 x 1/4 x 5/8-11	10	8600	**MH60070040147**	Price
7 x 1/4 x 5/8-11	10	8600	**MH60070040148**	Price
7 x 1/8 x 7/8	20	8600	**MH60070039207**	Price
7 x 1/4 x 7/8	20	8600	**MH60070040098**	Price

Type - Norzon Plus				
Size (in.)	Pkg. Qty.	RPM	Order No.	Price
3 x 1/8 x 3/8	20	18000	**MH60030028697**	Price
3 x 1/8 x 3/8	25	18000	**MH60030042177**	Price
3 x 1/4 x 3/8	25	18000	**MH60030042178**	Price
4 x 1/8 x 3/8	20	15280	**MH60040029883**	Price
4 x 1/8 x 5/8	20	15280	**MH60040029885**	Price
4 x 1/4 x 3/8	20	15280	**MH60040029886**	Price
4 x 1/4 x 5/8	25	15280	**MH60040042003**	Price
4-1/2 x 1/8 x 3/8	25	15280	**MH60040042004**	Price
4-1/2 x 1/8 x 5/8-11	10	13580	**MH60040043323**	Price
4-1/2 x 1/8 x 7/8	25	13580	**MH60040043324**	Price
4-1/2 x 1/4 x 7/8	25	13580	**MH60040043328**	Price
5 x 1/8 x 7/8	20	12225	**MH60050030789**	Price
5 x 1/4 x 7/8	20	12225	**MH60050043334**	Price
7 x 1/8 x 5/8-11	10	8600	**MH60070039184**	Price
7 x 1/8 x 7/8	20	8600	**MH60070038854**	Price

Reinforced Cut-Off Wheels





BlueFire- New zirconia alumina and aluminum
- Up to 20% improvement over previous zirconia products oxide grain blend
- 3 times the life of aluminum oxide wheels
- Ideal for stainless steel and carbon steel applications
- Excellent performance to price ratio lowers total cutting costs

Gemini- Quality aluminum oxide
- Good choice for steel and ferrous metals
- Consistent performance at a competitive price

				Bluefire		Gemini	
Size (in.)	Type	Max RPM	Std. Pkg.	Order No.	Price	Order No.	Price
4-1/2 x .045 x 7/8	T01	13580	25	**MH60045043208**	Price	**MH60040023602**	Price
4-1/2 x .045 x 5/8-11	T27	13580	20	**MH60045043223**	Price	**MH60040019549**	Price
4-1/2 x .045 x 7/8	T27	13580	20	**MH60045043219**	Price	**MH60040042026**	Price
5 x .045 x 7/8	T01	12225	25	**MH60050043209**	Price	**MH60050023603**	Price
6 x .045 x 7/8	T01	10185	20	**-**	-	**MH60060023604**	Price
6 x .045 x 7/8	T01	10185	25	**MH60060043210**	Price	**-**	-

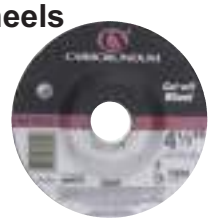
Premier Redcut Zirconia Alumina Depressed Center Wheels



- Engineered for cutting pipe, plate and all types of carbon and stainless steel and various hard alloys
- Advanced resin bond
- Extra thin
- Specially reinforced
- Burn-free cutting, fast cut rate
- Type 27/42

Size (in.)	Grit	RPM	Carton Qty	Order No.	Price
4-1/2 x .045 x 7/8	Z30	13580	25	**MG4644369**	Price
5 x .045 x 7/8	Z30	12225	25	**MG4644370**	Price
6 x .045 x 7/8	Z30	10185	25	**MG4644371**	Price

Carbo White Aluminum Oxide Abrasive Depressed Center Wheels



- Standard choice for steel/metal applications
- Engineered for all steel/ferrous metals
- 5”, 7” & 9” also available

Size (in.)	Grit	RPM	Carton Qty	Order No.	Price
4-1/2 x .045 x 7/8	A60	13580	20	**MG4636280**	Price
5 x .045 x 7/8	A60	12225	20	**MG4636281**	Price
6 x .045 x 7/8	A60	10185	20	**MG4636282**	Price
4-1/2 x 1/4 x 5/8-11	A24	13300	20	**MG4661568**	Price
4-1/2 x 1/4 x 7/8	A24	13300	20	**MG4661567**	Price
7 x 1/4 x 5/8-11	A24	8500	10	**MG4661576**	Price
7 x 1/4 x 7/8	A24	8500	20	**MG4661575**	Price
9 x 1/4 x 5/8-11	A24	6600	20	**MG4661580**	Price

Depressed Center Wheels

Carbo Metal general purpose aluminum oxide wheels
- Economical choice for general purpose applications
- Good choice for on-site and small unit jobs

Carbo Gold quality aluminum oxide wheels
- Aluminum oxide abrasive and an advanced resin bond
- Fast stock removal
- No burning or vibration
- Great choice for grinding all types of ferrous metals



Gold MaXX for free cutting, premium performance
- Zirconia abrasive blend with a free cutting bond
- High performance level; low price
- 30% Longer life than standard aluminum oxide wheels
- Performs well on all ferrous metals from carbon steel to stainless

Premier Red for highest performance and productivity
- Highest productivity; lowest total grinding costs
- Lasts three times as long as aluminum oxide wheels
- Outstanding results grinding stainless and high alloy steels

			Carbo Gold A24 Grit		Carbo Gold Maxx ZA24R		Premier Red Z24 Grit	
Size (in.)	Max. RPM	Pkg. Qty.	Order No.	Price	Order No.	Price	Order No.	Price
4 x 1/8 x 5/8	13500	25	**MG4602834**	Price	**-**	-	**-**	-
4 x 1/4 x 3/8	13500	25	**MG4602836**	Price	**-**	-	**MG4602867**	Price
4 x 1/4 x 5/8	13500	25	**MG4602837**	Price	**-**	-	**MG4602868**	Price
4-1/2 x 1/8 x 7/8	13300	25	**MG4602838**	Price	**-**	-	**MG4602870**	Price
4-1/2 x 1/4 x 5/8-11	13300	10	**MG4602843**	Price	**MG4670192**	Price	**MG4602873**	Price
4-1/2 x 1/4 x 7/8	13300	25	**MG4602842**	Price	**MG4670191**	Price	**MG4602872**	Price
5 x 1/4 x 5/8-11	12200	10	**-**	-	**-**	-	**MG4602877**	Price
5 x 1/4 x 7/8	12200	25	**MG4602846**	Price	**MG4670193**	Price	**MG4602876**	Price
6 x 1/4 x 7/8	10200	10	**MG4602849**	Price	**-**	-	**-**	-
7 x 1/8 x 5/8-11	8500	10	**-**	-	**-**	-	**MG4602879**	Price
7 x 1/8 x 7/8	8500	10	**-**	-	**-**	-	**MG4602878**	Price
7 x 1/4 x 5/8-11	8500	10	**MG4602854**	Price	**MG4670195**	Price	**MG4602883**	Price
7 x 1/4 x 7/8	8500	10	**MG4602853**	Price	**MG4670194**	Price	**MG4602881**	Price
9 x 1/8 x 5/8-11	6600	10	**-**	-	**-**	-	**MG4602886**	Price
9 x 1/8 x 7/8	6600	10	**-**	-	**-**	-	**MG4602885**	Price
9 x 1/4 x 5/8-11	6600	10	**-**	-	**MG4670197**	Price	**MG4602889**	Price
9 x 1/4 x 7/8	6600	10	**MG4602857**	Price	**MG4670196**	Price	**MG4602887**	Price

WEILER Aluminum Type 27 Grinding Wheels

TIGER New!

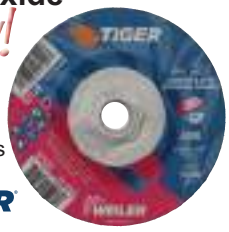


- Non-Loading Tiger Aluminum wheels are specifically designed for high performance grinding and extended wheel life on aluminum
- These wheels blend abrasive grains with Weiler's non-loading formula, resulting in a fast and consistent cut rate on aluminum
- TYPE 27 7/8" Arbor TYPE 27 5/8"-11 Hub Diameter

Size (in.)	Standard Pk.	Order No.	Price
4-1/2 x 1/4 x 5/8-11	10	**MK5158226**	Price
4-1/2 x 1/4 x 7/8	10	**MK5158225**	Price
5 x 1/4 x 5/8-11	10	**MK5158228**	Price
5 x 1/4 x 7/8	10	**MK5158227**	Price
6 x 1/4 x 5/8-11	10	**MK5158230**	Price
6 x 1/4 x 7/8	10	**MK5158229**	Price

WEILER Premium Aluminum Oxide Grinding Wheels

New!



- Allows for aggressive grinding at lower angles with reduced interference
- Premium Aluminum Oxide grains provide an even, sharp, clean cut and a hard bond extends life and maximizes performance
- Type 28

TIGER

					5/8-11		7/8	
Dia. (in.)	Thickness (in.)	Spec	RPM	Std. Pack	Order No.	Price	Order No.	Price
7	1/4	A24R	8500	10	**MK5157134**	Price	**MK5157135**	Price
9	1/4	A24R	6600	10	**MK5157136**	Price	**MK5157137**	Price

WEILER Inox White Aluminum Oxide Grinding Wheels

TIGER New!



- Specifically designed for high performance on stainless steel
- These wheels incorporate a contaminant-free bond that delivers a worry free solution for stainless steel applications
- 0 - 45° angled
- Type 27 grinding wheels are designed with fiberglass cut back from the edge to provide instant aggressive grinding on new wheels

					5/8-11		7/8	
Dia. (in.)	Thick-ness (in.)	Spec	RPM	Std. Pack	Order No.	Price	Order No.	Price
4-1/2	1/4	INOX24R	13000	10	**MK5158120**	Price	**MK5158121**	Price
5	1/4	INOX24R	12200	10	**MK5158122**	Price	**MK5158123**	Price
7	1/4	INOX24R	8500	10	**MK5158124**	Price	**MK5158125**	Price
9	1/4	INOX24R	6600	10	**MK5158126**	Price	**MK5158127**	Price

WEILER Zirconia Alumina Grinding Wheels

- Ceramic infused for faster, longer grinding
- High performance wheels leverage a self-sharpening zirconia alumina grain that delivers fast, consistent grinding on steel and stainless



TIGER New!

					5/8-11		7/8	
Dia. (in.)	Thickness (in.)	Spec	RPM	Std. Pack	Order No.	Price	Order No.	Price
4-1/2	1/4	Z24T	13000	10	**MK5158070**	Price	**MK5158071**	Price
5	1/4	Z24T	12200	10	**MK5158072**	Price	**MK5158073**	Price
6	1/4	Z224T	10200	10	**MK5158078**	Price	**MK5158079**	Price
7	1/4	Z24T	8500	10	**MK5158074**	Price	**MK5158075**	Price
9	1/4	Z224T	6600	10	**MK5158076**	Price	**MK5158077**	Price

WEILER Zirconia Alumina Grinding Wheels

TIGER New!



- High performance wheels allow for aggressive grinding at lower angles with reduced interference
- All wheels leverage a self-sharping Zirconia Alumina grain and are Ceramic Infused for that extra surge in performance
- Type 28

					5/8-11		7/8	
Dia. (in.)	Thickness (in.)	Spec	RPM	Std. pack	Order No.	Price	Order No.	Price
7	1/4	Z224T	8500	10	**MK5158080**	Price	**MK5158081**	Price
9	1/4	Z224T	6600	10	**MK5158082**	Price	**MK5158083**	Price

WEILER Aluminum Oxide Snagging Wheels

- Fast cut rate and consistent performance as a good value for everyday, general purpose use on metal
- Type 1

New!



Dia. (in.)	Thickness (in.)	Spec	RPM	Hole Size	Std. Pack	Order No.	Price
2	1/4	A36T	30000	3/8	25	**MK5156131**	Price
4	1/4	A36T	19000	3/8	25	**MK5156163**	Price

WEILER Ceramic Alumina Grinding Wheels

- Self-sharpening Ceramic Alumina grain delivers a superior combination of life and cut rate
- Ideal for stainless steel and other hard-to-grind metals
- Type 27



TIGER New!

					5/8-11		7/8	
Dia. (in.)	Thickness (in.)	Spec	RPM	Std. Pack	Order No.	Price	Order No.	Price
4-1/2	1/4	CER24R	13000	10	**MK5158326**	Price	**MK5158325**	Price
5	1/4	CER24R	12200	10	**MK5158328**	Price	**MK5158327**	Price
6	1/4	CER24R	10200	10	**MK5158330**	Price	**MK5158329**	Price
7	1/4	CER24R	8500	10	**MK5158332**	Price	**MK5158331**	Price
9	1/4	CER24R	6600	10	**MK5158334**	Price	**MK5158333**	Price

WEILER Premium Aluminum Oxide Grinding Wheels

TIGER New!



- Delivers the right combination of performance and value
- Premium aluminum oxide grains provide an even, sharp, clean cut and a hard bond extends life and maximizes performances
- Type 27 designed with fiberglass cut back from the edge to provide instant aggressive grinding on new wheels

					5/8-11		7/8	
Dia. (in.)	Thickness (in.)	Spec	RPM	Std. Pack	Order No.	Price	Order No.	Price
4-1/2	1/4	A24R	13000	10	**MK5157120**	Price	**MK5157121**	Price
5	1/4	A24R	12200	10	**MK5157122**	Price	**MK5157123**	Price
6	1/4	A24R	10200	10	**MK5157128**	Price	**MK5157129**	Price
7	1/4	A24R	8500	10	**MK5157124**	Price	**MK5157125**	Price
9	1/4	A24R	6600	10	**MK5157126**	Price	**MK5157127**	Price

Whetstones & Machinists Stones

DMT Provides and Edge like no other:

- Fast - sharpens in a fraction of the time required by other methods
- Easy - Just a few stokes with light pressure is needed
- Clean - No messy oils or clean up
- Durable - Longest lasting sharpeners on the marker - will not hollow or groove over the life of the tool

DMT Diamond Sharpeners are Color Coded for Easy Identification:

- Black - extra coarse for restoring damaged edges
- Blue - coarse for sharpening neglected edges
- Red - fine to put a keen edge on a maintained tool
- Green - extra fine to polish and refine to a razor edge
- Sharpens knives faster than conventional stones with DMT®'s mono-crystalline diamond surface

Double Sided Diafold® Diamond Whetstone™ Sharpener

- Dual purpose with compact convenience, the Double Sided Diafold® Sharpener offers two Diamond Whetstone in one
- Portable, lightweight with convenient fold & go handles to enclose and protects the Diamond Whetstone when not in use



Grit	Size (in.)	Model	Order No.	Price
Coarse/X-Coarse	4 x 1	FWCX	**MJ6501163**	Price
Fine/X-Fine	4 x 1	FWEF	**MJ6501161**	Price
Fine/Coarse	4 x 1	FWFC	**MJ6501162**	Price

Diafold® Diamond Whetstone™ Sharpener



- Portable, lightweight with convenient fold & go handles that enclose and protects the Diamond Whetstone™ when not in use

Grit	Size (in.)	Model	Order No.	Price
Coarse	4 x 7/8	FWC	**MJ6501112**	Price
Fine	4 x 7/8	FWF	**MJ6501111**	Price
X-Coarse	4 x 7/8	FWX	**MJ6501113**	Price
X-Fine	4 x 7/8	FWE	**MJ6501110**	Price

Diamond Mini-Sharp® Sharpener



- Light and compact, handle folds easily for protected storage
- Swivel ring for keychain

Grit	Size (in.)	Model	Order No.	Price
Coarse	2-3/4 x 1	F70C	**MJ6501122**	Price
Fine	2-3/4 x 1	F70F	**MJ6501121**	Price
X-Coarse	2-3/4 x 1	F70X	**MJ6501123**	Price
X-Fine	2-3/4 x 1	F70E	**MJ6501120**	Price

Diamond Whetstone™ Regular Pocket Models with Leather Sheath



- Portable with 4" of aggressive interrupted diamond pattern
- Leather sheath

Grit	Size (in.)	Model	Order No.	Price
Coarse	4 x 7/8	W4C	**MJ6500212**	Price
Fine	4 x 7/8	W4F	**MJ6500211**	Price
X-Coarse	4 x 7/8	W4X	**MJ6500213**	Price

Dia-Sharp® Credit Card Sized Sharpener



- Dia-Sharp® credit card sized diamond sharpener fits easily in pocket or wallet
- Pocket-sized convenience with in an vinyl color-coded carry case

Grit	Size (in.)	Model	Order No.	Price
Coarse	3 x 2	D3C	**MJ6500753**	Price
Fine	3 x 2	D3F	**MJ6500752**	Price
X-Fine	3 x 2	D3E	**MJ6500751**	Price

Diamond Honing Cones



Tapered Diamond Slip Stones

- Designed for specialty honing with diamond slip stone

Size (in.)	Shape	Model	Order No.	Price
3/8 to 1/8 x 4" Handle	Tapered	DCSFH	**MJ6501311**	Price
3/4 to 3/8 x 6" Long	Half Round Tapered	DCMF	**MJ6501315**	Price
1-1/4 to 3/4 x 8" Long	Half Round Tapered	DCLF	**MJ6501320**	Price
3 pc Kit 1 ea above sizes	Tapered	DCKF	**MJ6501325**	Price

Dia-Sharp® Diamond Mini-Hone®



- Comfortable and easy access to edge care in confined areas
- Ergonomically designed handle provides comfortable sharpening, deburring and honing in tight spaces

Grit	Size (in.)	Model	Order No.	Price
Coarse	2-1/2 x 3/4	D2C	**MJ6500748**	Price
Coarse/Fine/X-Fine	2-1/2 x 3/4	D2K	**MJ6500749**	Price
Fine	2-1/2 x 3/4	D2F	**MJ6500747**	Price
X-Fine	2-1/2 x 3/4	D2E	**MJ6500746**	Price

Duosharp® Bench Stones



- Easy counter or bench use
- Larger, wider diamond surface for sharpening a variety of knives and edges
- Non-skid mat included

Type - Duosharp Bench Model Diamond Whetstone				
Grit Combination	**Size (in.)**	**Model**	**Order No.**	**Price**
Coarse/X-Coarse	8 x 2-5/8 x 3/8	W8CXNB	**MJ6500368**	Price
Fine/Coarse	8 x 2-5/8 x 3/8	W8FCNB	**MJ6500367**	Price
X-Fine/Coarse	8 x 2-5/8 x 3/8	W8ECNB	**MJ6500366**	Price
X-Fine/Fine	8 x 2-5/8 x 3/8	W8EFNB	**MJ6500365**	Price

Type - Duosharp Bench Model Diamond Whetstone Holder			
Size (in.)	**Model**	**Order No.**	**Price**
8 x 2-5/8 x 3/8	B8250	**MJ6501199**	Price

Machinist Diamond Whetstone™ with Leather Sheath



- 3" of interrupted diamond pattern, combined with 1" of continuous diamond for sharpening pointed carbide & tool steel bits, with leather sheath

Grit	Size (in.)	Model	Order No.	Price
Coarse	4 x 7/8	WMC	**MJ6500272**	Price
Fine	4 x 7/8	WMF	**MJ6500271**	Price

Double Sided Bench Model Diamond Whetstone

- For bench stone applications when versatility is important, but storage is limited
- Two grit options in one stone
- For knives, blades and fine tools



Grit	Size (in.)	Model	Order No.	Price
Coarse/X-Coarse	6 x 2	D6CX	**MJ6500770**	Price
Fine/Coarse	6 x 2	D6FC	**MJ6500764**	Price
X-Fine/Fine	6 x 2	D6EF	**MJ6500765**	Price
X-Fine/X-Coarse	6 x 2	D6FX	**MJ6500775**	Price

DuoSharp®plus™ Bench Stone

- Easy counter or bench use
- Precision flat, two grit diamond sharpener featuring both interrupted and continuous diamond sharpening



Grit	Size (in.)	Model	Order No.	Price
Coarse	8 x 2-5/8 x 3/8	WM8FCWB	**MJ6500369**	Price
X-Fine	8 x 2-5/8 x 3/9	WM8EFWB	**MJ6500370**	Price

Stackable Diamond Benchstones

- Unique stackable non-skid rubber feet designed to keep the diamond plate steady while you sharpen, and efficiently stacked for space-saving storage
- Simple grit size color coding makes them easy to differentiate



Size (in.)	Color	Grit	Order No.	Price
6 x 2 x 1/4	Blue	325	**MH6468081**	Price
6 x 2 x 1/4	Green	600	**MH6468080**	Price
6 x 2 x 1/4	Red	220	**MH6468082**	Price
8 x 2 x 1/4	Blue	325	**MH6468086**	Price
8 x 2 x 1/4	Green	600	**MH6468083**	Price
8 x 2 x 1/4	Red	220	**MH6468087**	Price

Multi-Oilstone Sharpening Systems

- Designed for general sharpening, the IM100 is a mini version of the Multi-Oilstone System, containing coarse Crystolon, medium Crystolon, and fine India stones
- Comes complete with instructions and a 4 ounce container of Norton oil



Size (in.)	Description	Order No.	Price
6 x 2 x 1/2	Coarse/Medium/Fine	**MH6485356**	Price
11-1/2 x 2-1/2 x 1/2	Coarse/Medium/Fine	**MH6485960**	Price

Speedy Sharp Knife Sharpener

- Space-age carbide edge "Peels the Steel" to renew your blade's keen edge
- Easily fits in pocket or tool box



Order No.	Price
GE45KS1	Price

Diamond Hones

- Order Nos. FT65EZE have plastic handles
- Exclusive patented Eze-Lap manufacturing process embeds an engineered blend of poly-crystalline industrial diamonds in a stainless steel matrix on steel bases
- Products are heat treated, producing ideal hardness in the matrix for surface durability and diamond retention–yielding an abrasive surface that is harder than any metal or knife blade



Grit	Abrasive Section (in.)	Order No.	Price
Coarse	2 x 3/4	**FT65EZELC**	Price
Fine	2 x 3/4	**FT65EZELF**	Price
Medium	2 x 3/4	**FT65EZELM**	Price

Diamond Flat Stones

Paddle Style



- Available as stone only, on a pedestal, on a paddle or in a leather pouch

Size (in.)	Grit	Style	Order No.	Price
1 x 3	Fine	Flat Paddle	**FT6521F**	Price
1 x 3	Fine	Flat Paddle	**FT6524F**	Price
1 x 3	Fine	Flat Paddle with Pedestal	**FT6522F**	Price
1 x 3	Fine	Flat Paddle with Pouch	**FT6526F**	Price
2 x 6	Fine	Flat Paddle	**FT6561F**	Price
2 x 6	Fine	Flat Paddle with Pedestal	**FT6562F**	Price
2 x 6	Medium	Flat Paddle	**FT6561M**	Price
2 x 6	Medium	Flat Paddle with Pedestal	**FT6562M**	Price

Diamond Sharpeners

Diamond Sharpening Stones

- 1/4″ Dia. shaft 3-3/4″ Shaft length 8-1/2″ OAL, Brass handle in pouch
- 3/16″ Dia. shaft 2-1/4″ Shaft length 5-1/2″ OAL with pocket clip
- Exclusive patented Eze-Lap manufacturing process embeds an engineered blend of poly-crystalline industrial diamonds in a stainless steel matrix on steel bases
- Products are heat treated, producing ideal hardness in the matrix for surface durability and diamond retention–yielding an abrasive surface that is harder than any metal or knife blade



Size (in.)	Description	Order No.	Price
3/16 x 2-1/4 x 5-1/2 OAL	Pocket Diamond Sharpeners w/ Pocket Clip	**FT65EZES**	Price
1/4 x 3-3/4 x 8-1/2 OAL	Pocket Diamond Sharpeners w/ Brass handle in Pouch	**FT65EZEM**	Price

3 Pc. Boron Carbide Hand Lapper Set

- **Red Color Lapper** - 240 Grit
- **Green Color Lapper** - 320 Grit
- **Yellow Color Lapper**- -400 Grit
- Ideal for honing cutting edges
- Can be used to hone surfaces on all types of metals including tungsten carbide
- These lappers are more effective when used with oil
- Long life and economical



Order No.	Price
MN50HL3	Price

Crystolon Abrasive Files

- Abrasive files are unrivalled for holding their shape while imparting the finest, most uniform finish on precision machine parts and in tool and die making
- Available in square, triangular, round, half round and a wide variety of special shapes
- Ideal for any deburring, chamfering or radiusing job, or for fitting delicate parts
- Select the file shape that matches the contour of the surface being stoned.
- The broad offering of abrasives, grits and sizes ensures availability of an abrasive file specification for every conceivable application

CRYSTOLON FILES

Features:

- A fast-acting silicon carbide product, Crystolon files are designed for use where moderate tolerances are acceptable
- Available in square, triangular and round shapes

INDIA FILES

Features:

- Available in square, triangular, round, half round, diamond, point and knife
- Arkansas files produce the finest edge possible while maintaining tolerances unequalized by any other abrasive file
- Available in square, triangular, round, diamond, bevel, flat, oval, point and knife



Type - Crystolon Files Shape - Round

Size (in.)	Grit	Std Pkg.	Order No.	Price Ea.
1/4 x 4	Fine	20	**MH6486425**	Price
1/4 x 4	Medium	20	**MH6486430**	Price
1/2 x 4	Medium	20	**MH6486450**	Price

Type - Crystolon Files Shape - Square

Size (in.)	Grit	Std Pkg.	Order No.	Price Ea.
1/2 x 1/2 x 4	Fine	20	**MH6486040**	Price
1/2 x 1/2 x 4	Medium	20	**MH6486045**	Price

Type - Crystolon Files Shape - Triangular

Size (in.)	Grit	Std Pkg.	Order No.	Price Ea.
1/4 x 4	Fine	20	**MH6486185**	Price
1/2 x 4	Fine	20	**MH6486205**	Price

Type - India Files Shape - Diamond

Size (in.)	Grit	Std Pkg.	Order No.	Price Ea.
3/16 x 9/16 x 4	Coarse	20	**MH6486720**	Price
3/16 x 9/16 x 4	Fine	20	**MH6486710**	Price
3/16 x 9/16 x 4	Medium	20	**MH6486715**	Price

Type - India Files Shape - Half Round

Size (in.)	Grit	Std Pkg.	Order No.	Price Ea.
1/4 x 4	Fine	20	**MH6486350**	Price
1/4 x 4	Medium	20	**MH6486355**	Price
3/8 x 4	Fine	20	**MH6486380**	Price
3/8 x 4	Medium	20	**MH6486385**	Price
1/2 x 4	Coarse	20	**MH6486405**	Price
1/2 x 4	Fine	20	**MH6486395**	Price
1/2 x 4	Medium	20	**MH6486400**	Price

Type - India Files Shape - Knife

Size (in.)	Grit	Std Pkg.	Order No.	Price Ea.
1/8 Back x 1 x 4	Coarse	20	**MH6486780**	Price
1/8 Back x 1 x 4	Fine	20	**MH6486770**	Price
1/8 Back x 1 x 4	Medium	20	**MH6486775**	Price

Type - India Files Shape - Point

Size (in.)	Grit	Std Pkg.	Order No.	Price Ea.
5/16 Base x 3	Coarse	20	**MH6486750**	Price
5/16 Base x 3	Fine	20	**MH6486740**	Price
5/16 Base x 3	Medium	20	**MH6486745**	Price

Type - India Files Shape - Round

Size (in.)	Grit	Std Pkg.	Order No.	Price Ea.
1/4 x 4	Coarse	20	**MH6486480**	Price
1/4 x 4	Fine	20	**MH6486470**	Price
1/4 x 4	Medium	20	**MH6486475**	Price
3/8 x 4	Coarse	20	**MH6486495**	Price
3/8 x 4	Fine	20	**MH6486485**	Price
3/8 x 4	Medium	20	**MH6486490**	Price
1/2 x 4	Coarse	20	**MH6486510**	Price
1/2 x 4	Fine	20	**MH6486500**	Price
1/2 x 4	Medium	20	**MH6486505**	Price
1/2 x 6	Coarse	20	**MH6486525**	Price
1/2 x 6	Fine	20	**MH6486515**	Price
1/2 x 6	Medium	20	**MH6486520**	Price
5/8 x 6	Medium	20	**MH6486535**	Price
3/4 x 6	Medium	20	**MH6486550**	Price
1 x 6	Medium	20	**MH6486565**	Price

Type - India Files Shape - Square

Size (in.)	Grit	Std Pkg.	Order No.	Price Ea.
1/4 x 1/4 x 4	Coarse	20	**MH6486075**	Price
1/4 x 1/4 x 4	Fine	20	**MH6486065**	Price
1/4 x 1/4 x 4	Medium	20	**MH6486070**	Price
3/8 x 3/8 x 4	Coarse	20	**MH6486090**	Price
3/8 x 3/8 x 4	Fine	20	**MH6486080**	Price
3/8 x 3/8 x 4	Medium	20	**MH6486085**	Price
1/2 x 1/2 x 4	Coarse	20	**MH6486105**	Price
1/2 x 1/2 x 4	Fine	20	**MH6486095**	Price
1/2 x 1/2 x 4	Medium	20	**MH6486100**	Price
1/2 x 1/2 x 6	Coarse	20	**MH6486120**	Price
1/2 x 1/2 x 6	Fine	20	**MH6486110**	Price
1/2 x 1/2 x 6	Medium	20	**MH6486115**	Price
5/8 x 5/8 x 6	Fine	20	**MH6486125**	Price
5/8 x 5/8 x 6	Medium	20	**MH6486130**	Price
3/4 x 3/4 x 6	Coarse	20	**MH6486150**	Price
3/4 x 3/4 x 6	Fine	20	**MH6486140**	Price
3/4 x 3/4 x 6	Medium	20	**MH6486145**	Price
1 x 1 x 6	Coarse	20	**MH6486165**	Price
1 x 1 x 6	Fine	20	**MH6486155**	Price
1 x 1 x 6	Medium	20	**MH6486160**	Price

Type - India Files Shape - Triangular

Size (in.)	Grit	Std Pkg.	Order No.	Price Ea.
1/4 x 4	Coarse	20	**MH6486240**	Price
1/4 x 4	Fine	20	**MH6486230**	Price
1/4 x 4	Medium	20	**MH6486235**	Price
3/8 x 4	Coarse	20	**MH6486255**	Price
3/8 x 4	Fine	20	**MH6486245**	Price
3/8 x 4	Medium	20	**MH6486250**	Price
1/2 x 4	Coarse	20	**MH6486270**	Price
1/2 x 4	Fine	20	**MH6486260**	Price
1/2 x 4	Medium	20	**MH6486265**	Price
1/2 x 6	Coarse	20	**MH6486285**	Price
1/2 x 6	Fine	20	**MH6486275**	Price
1/2 x 6	Medium	20	**MH6486280**	Price
5/8 x 6	Fine	20	**MH6486290**	Price
3/4 x 6	Fine	20	**MH6486305**	Price
3/4 x 6	Medium	20	**MH6486310**	Price
1 x 6	Fine	20	**MH6486320**	Price
1 x 6	Medium	20	**MH6486325**	Price

Bench Stones

Single & Combination Grit - Arkansas & India Bench Stones

Single Grit:
- Choose one stone or a sequence of stones to quickly restore the cutting edge on all straight-edged tools such as chisels, plane blades, gouges, precision tools and delicate instruments
- Available in India and Arkansas type

Combination Grit:
- Provides the convenience of two different grit surfaces in a single stone
- Ideal for restoring the cutting edge on all straight-edged tools such as chisels, plane blades, gouges, precision tools and delicate instruments
- Available in India type only



India Bench Stones:
- Manufactured with Aluminum Oxide abrasive
- Most popular for producing a strong, keen, long-lasting edge on high quality tools
- The frequent choice of artisans, craftsmen and mechanics
- Orange/Brown in color

Arkansas Bench Stones:
- Ultra fine grit unsurpassed for honing and maintaining the extremely fine, super smooth edges required on precision tools and delicate instruments
- White in color

Type - Arkansas Bench-Single Grit					
Size (in.)	Grit	Shape	Std. Pkg.	Order No.	Price Ea.
3/4 x 2 x 4	Ultra Fine	Rectangular	5	**MH6485655**	Price
3/4 x 2 x 6	Ultra Fine	Rectangular	5	**MH6485660**	Price
3/4 x 2 x 8	Ultra Fine	Rectangular	5	**MH6485665**	Price

Type - India Bench-Comb Grit					
Size (in.)	Grit	Shape	Std. Pkg.	Order No.	Price Ea.
5/8 x 1-3/4 x 4	Coarse/Fine	Rectangular	5	**MH6485550**	Price
3/4 x 2 x 5	Coarse/Fine	Rectangular	5	**MH6485555**	Price
1 x 4	Coarse/Fine	Round	5	**MH6485545**	Price
1 x 2 x 6	Coarse/Fine	Rectangular	5	**MH6485560**	Price
1 x 2 x 8	Coarse/Fine	Rectangular	5	**MH6485565**	Price

Type - India Bench-Single Grit					
Size (in.)	Grit	Shape	Std. Pkg.	Order No.	Price Ea.
1/4 x 1 x 4	Coarse	Rectangular	5	**MH6485580**	Price
1/4 x 1 x 4	Fine	Rectangular	5	**MH6485570**	Price
1/4 x 1 x 4	Medium	Rectangular	5	**MH6485575**	Price
1/2 x 1 x 4	Coarse	Rectangular	5	**MH6485595**	Price
1/2 x 1 x 4	Fine	Rectangular	5	**MH6485585**	Price
1/2 x 1 x 4	Medium	Rectangular	5	**MH6485590**	Price
5/8 x 2 x 5	Fine	Rectangular	5	**MH6485600**	Price
5/8 x 2 x 5	Medium	Rectangular	5	**MH6485605**	Price
1 x 2 x 6	Coarse	Rectangular	5	**MH6485620**	Price
1 x 2 x 6	Fine	Rectangular	5	**MH6485610**	Price
1 x 2 x 6	Medium	Rectangular	5	**MH6485615**	Price
1 x 2 x 8	Coarse	Rectangular	5	**MH6485635**	Price
1 x 2 x 8	Fine	Rectangular	5	**MH6485625**	Price
1 x 2 x 8	Medium	Rectangular	5	**MH6485630**	Price

Hard Arkansas Files

Square, Triangular, Round, Diamond, Flat, Knife

Arkansas Files:
- Arkansas files produce the finest edge possible while maintaining tolerances unequalled by any other abrasive file
- Available in square, triangular, round, diamond, bevel, flat, oval, point, and knife



Type - Hard Arkansas Files Shape - Diamond			
Size (in.)	Grit	Order No.	Price
3/16 x 1/2 x 3	Ultra Fine	**MH6486815**	Price



Type - Hard Arkansas Files Shape - Square			
Size (in.)	Grit	Order No.	Price
1/4 x 1/4 x 3	Ultra Fine	**MH6486590**	Price
3/8 x 3/8 x 3	Ultra Fine	**MH6486595**	Price
1/2 x 1/2 x 3	Ultra Fine	**MH6486600**	Price



Type - Hard Arkansas Files Shape - Flat			
Size (in.)	Grit	Order No.	Price
1/8 x 3/8 x 3	Ultra Fine	**MH6486805**	Price



Type - Hard Arkansas Files Shape - Knife			
Size (in.)	Grit	Order No.	Price
1/8 x 3/4 x 3	Ultra Fine	**MH6486830**	Price



Type - Hard Arkansas Files Shape - Triangular			
Size (in.)	Grit	Order No.	Price
1/4 x 3	Ultra Fine	**MH6486620**	Price
3/8 x 3	Ultra Fine	**MH6486625**	Price
1/2 x 3	Ultra Fine	**MH6486630**	Price



Type - Hard Arkansas Files Shape - Round			
Size (in.)	Grit	Order No.	Price
1/4 x 3	Ultra Fine	**MH6486800**	Price

Sharpening Stone Roll Kit

- Thirty-five stone items in a variety of abrasives, grits, shapes and sizes designed to provide a configuration suitable for every need
- Housed in a durable, vinyl roll that offers protection, easy portability and full stone display
- Stones are fastened by an elastic strap which permits easy removal and replacement of all items



Order No.	Price
MH6486841	Price

Pocket Stones

- Convenient and easily transported
- Ideal for outdoor enthusiasts for sharpening scissors, knives, axes, etc.
- Available in a protective case



Size (in.)	Description	Order No.	Price
1/4 x 3/4 x 4	Fine	**MH6424153**	Price
1/2 x 1-1/2 x 3	Coarse/Fine	**MH6490705**	Price

Sharpening Stones



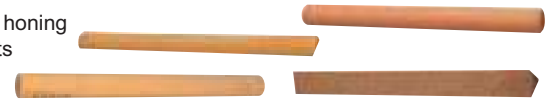
- Ideal for generating keen edges on cutting tools and knives
- A/O = Aluminum Oxide
- S/C = Silicon Carbide

Size (in.)	Shape	Grit	Abr. Type	Description	Order No.	Price
1/4 - 1/16 x 1-3/4 x 4-1/2	Rectangular	320	S/C	Slip Stone	**MJ62177**	Price
1/4 x 1 x 4	Rectangular	180	A/O	Sharpening Stone	**MJ62146A**	Price
1/4 x 1 x 4	Rectangular	180	S/C	Sharpening Stone	**MJ62146**	Price
1/4 x 1 x 4	Rectangular	320	A/O	Sharpening Stone	**MJ62145A**	Price
1/4 x 1 x 4	Rectangular	320	S/C	Sharpening Stone	**MJ62145**	Price
3/8 x 3/4 x 4-1/4	Rectangular	220	S/C	Cemented Carbide Hone	**MJ6239**	Price
3/8 x 3/4 x 4-1/4	Rectangular	280	S/C	Cemented Carbide Hone	**MJ6238**	Price
3/8 x 3/4 x 4-1/4	Rectangular	400	S/C	Cemented Carbide Hone	**MJ6237**	Price
3/8 x 3/4 x 4-1/4	Rectangular	Set	A/O	Cemented Carbide Hone	**MJ6233**	Price
1/2 x 1 x 4	Rectangular	120	S/C	Machinists Stone	**MJ62292C**	Price
1/2 x 1 x 4	Rectangular	180	A/O	Machinists Stone	**MJ62292AM**	Price
1/2 x 1 x 4	Rectangular	180	S/C	Machinists Stone	**MJ62292M**	Price
1/2 x 1 x 4	Rectangular	320	A/O	Machinists Stone	**MJ62292AF**	Price
1/2 x 1 x 4	Rectangular	320	S/C	Machinists Stone	**MJ62292F**	Price
5/8 x 1-3/4 x 4	Rectangular	120/320	S/C	Combination Stone	**MJ62112**	Price
5/8 x 2 x 6	Rectangular	400	S/C	Extra Hard – Extra Fine Stone	**MJ62159**	Price
3/4 x 2 x 5	Rectangular	120/320	S/C	Combination Stone	**MJ62111**	Price
1 x 2 x 6	Rectangular	120/320	S/C	Combination Stone	**MJ62109**	Price
1 x 2 x 6	Rectangular	120/280	A/O	Combination Stone Oil Treated	**MJ62433**	Price
1 x 2 x 8	Rectangular	120/320	S/C	Combination Stone	**MJ62108**	Price
1 x 2 x 8	Rectangular	120/280	A/O	Combination Stone Oil Treated	**MJ62431**	Price
1 x 4	Round	120/320	S/C	Combination Stone	**MJ62107**	Price
1-1/2 x 4	Round	120/320	S/C	Combination Knife Stone	**MJ62289**	Price

A/O - Aluminum Oxide, S/C - Silicon Carbide

Tool Room Sticks

Aluminum Oxide (India type) Sticks are Oil Treated



- Ideal for deburring, lapping and honing
- Polishing ground machined parts
- Polishing molds and dies
- Removing tool marks

Shape - Half Round					
		Aluminum Oxide		Silicon Carbide	
Size (in.)	Grit	Order No.	Price	Order No.	Price
1/4 x 4	120	**MJ62C18**	Price	**MJ62C17**	Price
1/4 x 4	220	**MJ62M18**	Price	**MJ62M17**	Price
1/4 x 4	320	**MJ62F18**	Price	**MJ62F17**	Price
3/8 x 6	120	**MJ62C54**	Price	**MJ62C53**	Price
3/8 x 6	220	**MJ62M54**	Price	**MJ62M53**	Price
3/8 x 6	320	**MJ62F54**	Price	**MJ62F53**	Price
1/2 x 6	120	**MJ62C56**	Price	**MJ62C55**	Price
1/2 x 6	220	**MJ62M56**	Price	**MJ62M55**	Price
1/2 x 6	320	**MJ62F56**	Price	**MJ62F55**	Price
3/4 x 6	120	**MJ62C60**	Price	**MJ62C59**	Price
3/4 x 6	220	**MJ62M60**	Price	**MJ62M59**	Price
3/4 x 6	320	**MJ62F60**	Price	**MJ62F59**	Price

Shape - Round					
		Aluminum Oxide		Silicon Carbide	
Size (in.)	Grit	Order No.	Price	Order No.	Price
1/4 x 4	120	**MJ62C26**	Price	**MJ62C25**	Price
1/4 x 4	220	**MJ62M26**	Price	**MJ62M25**	Price
1/4 x 4	320	**MJ62F26**	Price	**MJ62F25**	Price
3/8 x 4	120	**MJ62C30**	Price	**MJ62C29**	Price
3/8 x 4	220	**MJ62M30**	Price	**MJ62M29**	Price
3/8 x 4	320	**MJ62F30**	Price	**MJ62F29**	Price
3/8 x 6	120	**MJ62C64**	Price	**MJ62C63**	Price
3/8 x 6	220	**MJ62M64**	Price	**MJ62M63**	Price
3/8 x 6	320	**MJ62F64**	Price	**MJ62F63**	Price
1/2 x 4	120	**MJ62C32**	Price	**MJ62C31**	Price
1/2 x 4	220	**MJ62M32**	Price	**MJ62M31**	Price
1/2 x 4	320	**MJ62F32**	Price	**MJ62F31**	Price
1/2 x 6	120	**MJ62C66**	Price	**MJ62C65**	Price
1/2 x 6	220	**MJ62M66**	Price	**MJ62M65**	Price
1/2 x 6	320	**MJ62F66**	Price	**MJ62F65**	Price
3/4 x 6	120	**MJ62C70**	Price	**MJ62C69**	Price
3/4 x 6	220	**MJ62M70**	Price	**MJ62M69**	Price
3/4 x 6	320	**MJ62F70**	Price	**MJ62F69**	Price
1 x 6	120	**MJ62C72**	Price	**MJ62C71**	Price
1 x 6	220	**MJ62M72**	Price	**MJ62M71**	Price
1 x 6	320	**MJ62F72**	Price	**MJ62F71**	Price

Shape - Square					
		Aluminum Oxide		Silicon Carbide	
Size (in.)	Grit	Order No.	Price	Order No.	Price
1/4 x 1/4 x 4	120	**MJ62C2**	Price	**MJ62C1**	Price
1/4 x 1/4 x 4	220	**MJ62M2**	Price	**MJ62M1**	Price
1/4 x 1/4 x 4	320	**MJ62F2**	Price	**MJ62F1**	Price
3/8 x 3/8 x 4	120	**MJ62C6**	Price	**MJ62C5**	Price
3/8 x 3/8 x 4	220	**MJ62M6**	Price	**MJ62M5**	Price
3/8 x 3/8 x 4	320	**MJ62F6**	Price	**MJ62F5**	Price
3/8 x 3/8 x 6	120	**MJ62C34**	Price	**MJ62C33**	Price
3/8 x 3/8 x 6	220	**MJ62M34**	Price	**MJ62M33**	Price
3/8 x 3/8 x 6	320	**MJ62F34**	Price	**MJ62F33**	Price
1/2 x 1/2 x 4	120	**MJ62C8**	Price	**MJ62C7**	Price
1/2 x 1/2 x 4	220	**MJ62M8**	Price	**MJ62M7**	Price
1/2 x 1/2 x 4	320	**MJ62F8**	Price	**MJ62F7**	Price
1/2 x 1/2 x 6	120	**MJ62C36**	Price	**MJ62C35**	Price
1/2 x 1/2 x 6	220	**MJ62M36**	Price	**MJ62M35**	Price
1/2 x 1/2 x 6	320	**MJ62F36**	Price	**MJ62F35**	Price
3/4 x 3/4 x 6	120	**MJ62C40**	Price	**MJ62C39**	Price
3/4 x 3/4 x 6	220	**MJ62M40**	Price	**MJ62M39**	Price
3/4 x 3/4 x 6	320	**MJ62F40**	Price	**MJ62F39**	Price
1 x 1 x 6	120	**MJ62C42**	Price	**MJ62C41**	Price
1 x 1 x 6	220	**MJ62M42**	Price	**MJ62M41**	Price
1 x 1 x 6	320	**MJ62F42**	Price	**MJ62F41**	Price

Shape - Triangular					
		Aluminum Oxide		Silicon Carbide	
Size (in.)	Grit	Order No.	Price	Order No.	Price
1/4 x 4	120	**MJ62C10**	Price	**MJ62C9**	Price
1/4 x 4	220	**MJ62M10**	Price	**MJ62M9**	Price
1/4 x 4	320	**MJ62F10**	Price	**MJ62F9**	Price
3/8 x 4	120	**MJ62C14**	Price	**MJ62C13**	Price
3/8 x 4	220	**MJ62M14**	Price	**MJ62M13**	Price
3/8 x 4	320	**MJ62F14**	Price	**MJ62F13**	Price
3/8 x 6	120	**MJ62C44**	Price	**MJ62C43**	Price
3/8 x 6	220	**MJ62M44**	Price	**MJ62M43**	Price
3/8 x 6	320	**MJ62F44**	Price	**MJ62F43**	Price
1/2 x 4	120	**MJ62C16**	Price	**MJ62C15**	Price
1/2 x 4	220	**MJ62M16**	Price	**MJ62M15**	Price
1/2 x 4	320	**MJ62F16**	Price	**MJ62F15**	Price
1/2 x 6	120	**MJ62C46**	Price	**MJ62C45**	Price
1/2 x 6	220	**MJ62M46**	Price	**MJ62M45**	Price
1/2 x 6	320	**MJ62F46**	Price	**MJ62F45**	Price
3/4 x 6	120	**MJ62C50**	Price	**MJ62C49**	Price
3/4 x 6	220	**MJ62M50**	Price	**MJ62M49**	Price
3/4 x 6	320	**MJ62F50**	Price	**MJ62F49**	Price

General Purpose Combination Sharpening Stones

120/240 Grit - Rectangular Shape



Size (in.)	Abr. Type	Order No.	Price
1 x 2 x 6	S/C	**MJ63109E**	Price
1 x 2 x 8	A/O	**MJ63108A**	Price
1 x 2 x 8	S/C	**MJ63108E**	Price

Abrasive Belt Finishing Sticks

Spring Loaded Tension Belt Holder

- Good for hard to reach areas
- Can be used with water and solvents
- Deburring • Semi Finishing • Polishing
- Metal Finishing • Pattern Making • Mold Finishing • Welding Cleanup



Size (in.)	Belt Grit	Order No.	Price
6	320	**MJ642503**	Price

Starter Belt Kits

Deburring • Semi-Finishing • Polishing



Description	Order No.	Price
Deburring - 10 Pcs ea. Grits 80 & 120	**MJ642801**	Price
Polishing - 10 Pcs ea. Grits 400 - 600	**MJ642803**	Price
Semi-Finish - 10 Pcs ea. Grits 180, 240, 320	**MJ642802**	Price

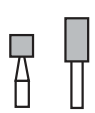
Replacement Belts for Starter Belt Kits

Sold per Pack of 10 Belts

Grit	Order No.	Price
80	**MJ642805**	Price
120	**MJ642806**	Price
180	**MJ642811**	Price
240	**MJ642807**	Price
320	**MJ642808**	Price
400	**MJ642809**	Price
500	**MJ642810**	Price

Unitized Mounted Points

- Made from the high durability Unitized material
- Deburring and blending requires high RPM
- Decorative finishing requires low RPM
- The aggressiveness increases with the hardness
- Polishing requires high speeds and low pressure



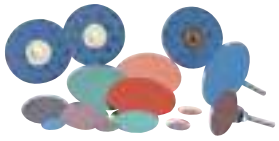


Shape	Dia. (in.)	Length (in.)	Series	Order No.	Price
W160	1/4	1/4	732	**MM75877040**	Price
W160	1/4	1/4	811	**MM75877020**	Price
W160	1/4	1/4	821	**MM75877019**	Price
W163	1/4	1/2	731	**MM75877041**	Price
W163	1/4	1/2	732	**MM75877045**	Price
W163	1/4	1/2	811	**MM75877022**	Price
W163	1/4	1/2	821	**MM75877021**	Price

Additional sizes available upon request.

1" Quick Change 2 Ply Discs

- For general purpose and specialized grinding, deburring and blending
- Best product for stock removal on most types of ferrous and non-ferrous metals, composites and fiberglass



		Rol-On		Turn-On	
Grit	Material	Order No.	Price	Order No.	Price
24	Aluminum Oxide	**MM30592201**	Price	**MM30522201**	Price
36	Aluminum Oxide	**MM30592202**	Price	**MM30522202**	Price
40	Aluminum Oxide	**MM30592203**	Price	**MM30522203**	Price
50	Aluminum Oxide	**MM30592204**	Price	**MM30522204**	Price
60	Aluminum Oxide	**MM30592205**	Price	**MM30522205**	Price
80	Aluminum Oxide	**MM30592206**	Price	**MM30522206**	Price
100	Aluminum Oxide	**MM30592207**	Price	**MM30522207**	Price
120	Aluminum Oxide	**MM30592208**	Price	**MM30522208**	Price
180	Aluminum Oxide	**MM30592210**	Price	**MM30522210**	Price
240	Aluminum Oxide	**MM30592211**	Price	**MM30522211**	Price
320	Aluminum Oxide	**MM30592212**	Price	**MM30522212**	Price

1" Quick Change FE Surface Conditioning Discs

- The FE material exhibits a high initial and extended rate of cut
- Very flexible with high edge durability and is effective on both flat and contoured surfaces



		Rol-On		Turn-On	
Grit	Material	Order No.	Price	Order No.	Price
Coarse	FE	**MM30840181**	Price	**MM30840131**	Price
Medium	FE	**MM30840182**	Price	**MM30840132**	Price
Very Fine	FE	**MM30840183**	Price	**MM30840133**	Price

1" Quick Change GP Buff & Blend Discs

- Flexible and comfortable
- GP Buff & Blend discs provide a high rate of cut while producing consistent finishes



Grit	Material	Order No.	Price
Coarse	GP	**MM30840111**	Price
Fine	GP	**MM30840113**	Price
Medium	GP	**MM30840112**	Price
Very Fine	GP	**MM30840115**	Price

WHAT THE NUMBERS REPRESENT IN "SERIES" DESCRIPTIONS:

Density	Grade	Grain
500 = 5 Soft 600 = 6 Soft/Medium 700 = 7 Medium/Hard 800 = 8 Hard 900 = 9 Extra Hard	1 = Coarse 2 = Medium 3 = Fine	1 = A/O = Aluminum Oxide 2 = S/C = Silicon Carbide 4 = S/C Firm = Silicon Carbide Firm* *Available only as a Type 524

Example: 521 Series = 5 Soft Density, 2 Medium Grade, 1 A/O Grain

Unitized Wheels

- Excellent for deburring, cleaning, blending, polishing and finishing applications on ferrous and non-ferrous materials
- The aggressiveness increases with the density
- 900 Series is the hardest and 500 is the softest



Size (in.) - 1 x 1/8 x 1/8			
Series	Maximum RPM	Order No.	Price
731	35,000	**MM75873100**	Price
732	35,000	**MM75873200**	Price
821	35,000	**MM75882100**	Price

Size (in.) - 2 x 1/8 x 1/4			
Series	Maximum RPM	Order No.	Price
732	22,000	**MM75873208**	Price
821	22,000	**MM75882108**	Price
911	18,000	**MM75891108**	Price
921	18,000	**MM75892108**	Price

Mandrels for Unitized Wheels



For Use With	Shank Size (in.)	Order No.	Price
1/8" Hole Small Wheels	1/8	**MG645**	Price
1/8" Hole Small Wheels	1/4	**MG648**	Price
1-1/4" to 4"	1/4	**MM75850029**	Price

Quick Change Felt Polishing Discs

- Final finishing on Aluminum, Brass and Chrome, when used with a metal polish
- Polishing small or tight areas, using small diameter discs
- Polishing large, open areas, using large diameter discs



		Rol-On		Turn-On	
Dia. (in.)	Material	Order No.	Price	Order No.	Price
1	Felt	-	-	**MM30840100**	Price
2	Felt	**MM30840380**	Price	**MM30840300**	Price
3	Felt	**MM30840480**	Price	**MM30840400**	Price

Holder Pads



	Rol-On		Turn-On	
Dia. (in.)	Order No.	Price	Order No.	Price
1	**MM5964037**	Price	**MM5964651**	Price
2	**MM5964922**	Price	**MM5964198**	Price
3	**MM5964949**	Price	**MM5964113**	Price

Moldmaker-Plus Mold Polishing Abrasive Stones



- Faster cutting action – leaves a very smooth finish
- Applications include most medium grades of steel
- More suitable for shaping
- Color may vary depending on grit size

	120		150		180		220		320		400		600	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/16 x 1/4 x 6	-	-	MJ53MP114	Price	MJ53MP115	Price	-	-	MJ53MP117	Price	MJ53MP118	Price	-	-
1/8 x 1/4 x 6	-	-	MJ53MP134	Price	-	-	-	-	MJ53MP137	Price	MJ53MP138	Price	MJ53MP139	Price
1/8 x 1/2 x 6	MJ53MP143	Price	MJ53MP144	Price	-	-	MJ53MP146	Price	-	-	-	-	-	-
1/4 x 1/4 x 6	MJ53MP173	Price	-	-	-	-	MJ53MP176	Price	-	-	MJ53MP178	Price	-	-
1/4 x 1/2 x 6	-	-	MJ53MP184	Price	-	-	MJ53MP186	Price	MJ53MP187	Price	-	-	MJ53MP199	Price
1/4 x 1 x 6	MJ53MP193	Price	MJ53MP194	Price	-	-	-	-	MJ53MP197	Price	MJ53MP198	Price	-	-
1/4 x 6	-	-	-	-	-	-	-	-	MJ53MP200	Price	-	-	-	-
1/2 x 1/2 x 6	-	-	-	-	-	-	-	-	MJ53MP227	Price	MJ53MP228	Price	-	-
1/2 x 1 x 6	MJ53MP203	Price	-	-	-	-	-	-	MJ53MP207	Price	-	-	-	-
1 x 1 x 6	MJ53MP213	Price	MJ53MP214	Price	-	-	-	-	-	-	-	-	-	-

Moldmaker Mold Polishing Abrasive Stones



- Provides a smooth finish
- Suitable for finishing softer grades of steel
- Harder than Ruby stones but softer than Diemaker
- Color may vary depending on grit size

	120		150		180		220		320		400		600	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/16 x 1/2 x 6	-	-	-	-	MJ53M125	Price	MJ53M126	Price	-	-	-	-	-	-
1/8 x 1/2 x 6	MJ53M143	Price	MJ53M144	Price	-	-	MJ53M146	Price	-	-	MJ53M148	Price	-	-
1/4 x 1/2 x 6	MJ53M183	Price	-	-	-	-	MJ53M186	Price	MJ53M187	Price	MJ53M188	Price	MJ53M199	Price
1/2 x 1/2 x 6	-	-	-	-	-	-	MJ53M226	Price	-	-	MJ53M228	Price	-	-
1/2 x 1 x 6	MJ53M203	Price	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	MJ53M135	Price	-	-	-	-	-	-	-	-

Diemaker Mold Polishing Abrasive Stones



- Ideal finishing stone
- Fast cutting action
- Suitable for general purpose stoning on most steels
- Will not load on hard steels
- Color may vary depending on grit size

	120		150		180		220		320		400	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/8 x 1/4 x 6	MJ53DM133	Price	MJ53DM134	Price	MJ53DM135	Price	MJ53DM136	Price	MJ53DM137	Price	MJ53DM138	Price
1/8 x 1/2 x 6	MJ53DM143	Price	MJ53DM144	Price	MJ53DM145	Price	MJ53DM146	Price	MJ53DM147	Price	MJ53DM148	Price
1/8 x 1 x 6	-	-	MJ53DM154	Price	MJ53DM155	Price	-	-	-	-	-	-
1/4 x 1/4 x 6	MJ53DM173	Price	MJ53DM174	Price	MJ53DM175	Price	MJ53DM176	Price	MJ53DM177	Price	MJ53DM178	Price
1/4 x 1/2 x 6	MJ53DM183	Price	MJ53DM184	Price	MJ53DM185	Price	MJ53DM186	Price	MJ53DM187	Price	MJ53DM188	Price
1/4 x 1 x 6	MJ53DM193	Price	MJ53DM194	Price	MJ53DM195	Price	MJ53DM196	Price	MJ53DM197	Price	MJ53DM198	Price
1/2 x 1/2 x 6	-	-	MJ53DM224	Price	MJ53DM225	Price	MJ53DM226	Price	MJ53DM227	Price	MJ53DM228	Price
1/2 x 1 x 6	MJ53DM203	Price	MJ53DM204	Price	MJ53DM205	Price	MJ53DM206	Price	MJ53DM207	Price	MJ53DM208	Price
1 x 1 x 6	MJ53DM213	Price	MJ53DM214	Price	MJ53DM215	Price	MJ53DM216	Price	MJ53DM217	Price	MJ53DM218	Price

Ruby Mold Polishing Abrasive Stones



- Very soft non-loading stones for polishing soft metals
- Applications include aluminum, stainless, copper, brass, & kirkalte
- Color may vary depending on grit size

	100		150		60		80		220	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/8 x 1/4 x 6	-	-	MJ53R134	Price	MJ53R130	Price	MJ53R131	Price	MJ53R136	Price
1/8 x 1/2 x 6	MJ53R142	Price	-	-	MJ53R140	Price	MJ53R141	Price	MJ53R146	Price
1/4 x 1/4 x 6	MJ53R172	Price	MJ53R174	Price	-	-	-	-	MJ53R176	Price
1/4 x 1/2 x 6	MJ53R182	Price	MJ53R184	Price	MJ53R180	Price	MJ53R181	Price	MJ53R186	Price
1/4 x 1 x 6	MJ53R192	Price	MJ53R194	Price	-	-	MJ53R191	Price	-	-
1/2 x 1/2 x 6	-	-	MJ53R224	Price	-	-	MJ53R221	Price	MJ53R226	Price
1/2 x 1 x 6	MJ53R202	Price	MJ53R204	Price	MJ53R200	Price	MJ53R201	Price	MJ53R206	Price
1 x 2 x 8	-	-	-	-	-	-	-	-	MJ53R236	Price

Oil-Filled Mold Polishing Abrasive Stones



- Treated to resist loading
- Provides fast stock removal and a very smooth finish on most steels
- Color may vary depending on grit size

	200		600		120		220		320		400	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/8 x 1/4 x 6	-	-	-	-	MJ53F133	Price	MJ53F136	Price	MJ53F137	Price	MJ53F138	Price
1/8 x 1/2 x 6	MJ53F146	Price	MJ53F149	Price	-	-	-	-	-	-	-	-
1/4 x 1/4 x 6	-	-	-	-	-	-	MJ53F176	Price	-	-	MJ53F178	Price
1/4 x 1/2 x 6	-	-	-	-	MJ53F183	Price	-	-	MJ53F187	Price	MJ53F188	Price
1/4 x 1 x 6	-	-	-	-	MJ53F193	Price	-	-	-	-	-	-
1/2 x 1/2 x 6	-	-	-	-	-	-	-	-	-	-	MJ53F228	Price

Super Fine Mold Polishing Abrasive Stones

- Used to prepare surfaces for final mirror finish



Size (in.)	Grit	Order No.	Price
1/8 x 1/4 x 6	900	MJ53S1310	Price
1/8 x 1/2 x 6	900	MJ53S1410	Price
1/4 x 1/4 x 6	900	MJ53S1710	Price
1/4 x 1/2 x 6	900	MJ53S1810	Price
1/2 x 1/2 x 6	900	MJ53S2210	Price

EDM Mold Polishing Abrasive Stones



- Ideal for removing EDM scale quickly
- Color may vary depending on grit size

	120		150		180		220		320		400		600	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/16 x 1/2 x 6	-	-	MJ53EDM124	Price	-	-	-	-	-	-	MJ53EDM128	Price	-	-
1/8 x 1/4 x 6	MJ53EDM133	Price	MJ53EDM134	Price	MJ53EDM135	Price	MJ53EDM136	Price	MJ53EDM137	Price	MJ53EDM138	Price	MJ53EDM139	Price
1/8 x 1/2 x 6	MJ53EDM143	Price	MJ53EDM144	Price	MJ53EDM145	Price	MJ53EDM146	Price	MJ53EDM147	Price	MJ53EDM148	Price	MJ53EDM149	Price
1/4 x 1/4 x 6	-	-	-	-	-	-	MJ53EDM176	Price	-	-	MJ53EDM178	Price	MJ53EDM179	Price
1/4 x 1/2 x 6	MJ53EDM183	Price	-	-	-	-	-	-	MJ53EDM187	Price	MJ53EDM188	Price	-	-
1/4 x 1 x 6	-	-	-	-	MJ53EDM195	Price	MJ53EDM196	Price	-	-	-	-	-	-

EDM-Plus Mold Polishing Abrasive Stones



- Treated for super fast EDM scale removal
- Color may vary depending on grit size

	100	120		150		180		220		320		400	
Size (in.)	Order No.	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/8 x 1/4 x 6	-	MJ53EDMP133	Price	-	-	MJ53EDMP135	Price	MJ53EDMP136	Price	MJ53EDMP137	Price	MJ53EDMP138	Price
1/8 x 1/2 x 6	MJ53EDMP142	MJ53EDMP143	Price	MJ53EDMP144	Price	-	-	MJ53EDMP146	Price	MJ53EDMP147	Price	MJ53EDMP148	Price
1/4 x 1/4 x 6	-	MJ53EDMP173	Price	MJ53EDMP174	Price	MJ53EDMP175	Price	MJ53EDMP176	Price	MJ53EDMP177	Price	-	-
1/4 x 1/2 x 6	-	-	-	-	-	-	-	-	-	-	-	MJ53EDMP188	Price
1/4 x 1 x 6	-	MJ53EDMP193	Price	-	-	-	-	-	-	-	-	-	-

Rough Out Mold Polishing Abrasive Stones



- Ideal for removing deep scratches & tool marks prior to finishing
- Fast Cutting action
- Color may vary depending on grit size

	100 Grit		120 Grit		180 Grit		80 Grit	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/4 x 1 x 8	MJ53RT242	Price	MJ53RT243	Price	MJ53RT245	Price	MJ53RT241	Price
1/2 x 1 x 8	MJ53RT252	Price	MJ53RT253	Price	MJ53RT255	Price	MJ53RT251	Price
1 x 1 x 8	-	-	MJ53RT263	Price	-	-	MJ53RT261	Price

General Purpose Mold Polishing Abrasive Stones



- Break down allows for saping and contours
- Color may vary depending on grit size

	120 Grit		150 Grit		180 Grit		220 Grit		320 Grit		400 Grit	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/16 x 1/2 x 6	-	-	-	-	-	-	-	-	MJ53G127	Price	-	-
1/8 x 1/4 x 6	-	-	-	-	MJ53G135	Price	MJ53G136	Price	MJ53G137	Price	MJ53G138	Price
1/8 x 1/2 x 6	MJ53G143	Price	MJ53G144	Price	-	-	MJ53G146	Price	MJ53G147	Price	MJ53G148	Price
1/4 x 1/4 x 6	MJ53G173	Price	MJ53G174	Price	MJ53G175	Price	MJ53G176	Price	MJ53G177	Price	MJ53G178	Price
1/4 x 1/2 x 6	MJ53G183	Price	MJ53G184	Price	MJ53G185	Price	MJ53G186	Price	MJ53G187	Price	MJ53G188	Price
1/4 x 1 x 6	MJ53G193	Price	MJ53G194	Price	MJ53G195	Price	MJ53G196	Price	-	-	-	-
1/2 x 1/2 x 6	MJ53G223	Price	MJ53G224	Price	MJ53G225	Price	-	-	MJ53G227	Price	MJ53G228	Price
1/2 x 1 x 6	MJ53G203	Price	-	-	MJ53G205	Price	-	-	-	-	-	-
1 x 1 x 6	MJ53G213	Price	-	-	MJ53G215	Price	-	-	-	-	MJ53G218	Price

SURF PRO Boat Bricks



Die Finishing Stones

- Used in Tool & Die Shops and the Mold Making Industry
- Dimensions: 1-1/2 x 2-1/2 x 9" - 7 Grits available

Color	Grit	Application	Abrasive	Order No.	Price
Buff Course	60	Rough and Finish	Aluminum Oxide	MJ50115	Price
Buff Fine	120	Fine Finishing	Aluminum Oxide	MJ50120	Price
Gray	46	Roughing	Silicon Carbide	MJ50100	Price
Green	80	Finishing	Silicon Carbide	MJ50125	Price
Porous Green	80	Semi Finishing	Silicon Carbide	MJ50130	Price
Red	60	Rough and Finish	Aluminum Oxide	MJ50105	Price
White	60	Rough and Finish	Aluminum Oxide	MJ50110	Price

NORTON Boat Stones



- Excellent for deburring and breaking sharp edges on dies, fixtures and machined parts
- Stone dimensions: 1-1/2 x 2-1/2 x 9"

Grain	Grit	Hardness	Std. Pkg.	Order No.	Price
37C	80	H	10	MH64T5410369	Price
38A	60	I	10	MH64T5410503	Price

CRATEX® Blocks & Sticks



- Excellent for cleaning and polishing metal surfaces, for breaking edges, smoothing away high spots, removing rust, heat marks, tarnish and stain
- Designed for either manual or mechanical application
- Can be mounted in tool holding fixutres, chucks or cradles
- Used for polishing commutators, damaskeening, cleaning and dressing diamond wheels, highlighting steel rules, calibrations and reference points, and for removing feather edges and “toughing up” cutting tools, dies, chisels and other edged tools

Shape - Oblong								
	Coarse		Extra Fine		Fine		Medium	
Dia. (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
3 x 1 x 1/4	**MG643802C**	Price	**MG643802XF**	Price	**MG643802F**	Price	**MG643802M**	Price
4 x 2 x 3/8	**MG644163C**	Price	**MG644163XF**	Price	**MG644163F**	Price	**MG644163M**	Price
6 x 1 x 1/4	**MG646802C**	Price	**MG646802XF**	Price	**MG646802F**	Price	**MG646802M**	Price
6 x 1 x 1/8	**MG646801C**	Price	**MG646801XF**	Price	**MG646801F**	Price	**MG646801M**	Price
6 x 1 x 3/8	**MG646803C**	Price	**MG646803XF**	Price	**MG646803F**	Price	**MG646803M**	Price
6 x 2 x 1	**MG646168C**	Price	**MG646168XF**	Price	**MG646168F**	Price	**MG646168M**	Price
6 x 2 x 1/4	**MG646162C**	Price	**MG646162XF**	Price	**MG646162F**	Price	**MG646162M**	Price
8 x 1 x 1/2	**MG648804C**	Price	**MG648804XF**	Price	**MG648804F**	Price	**MG648804M**	Price

Shape - Round								
	Coarse		Extra Fine		Fine		Medium	
Dia. (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
6 x 1	**MG640166C**	Price	**MG640166XF**	Price	**MG640166F**	Price	**MG640166M**	Price
6 x 1/2	**MG64086C**	Price	**MG64086XF**	Price	**MG64086F**	Price	**MG64086M**	Price
6 x 1/4	**MG64046C**	Price	**MG64046XF**	Price	**MG64046F**	Price	**MG64046M**	Price
6 x 3/16	**MG64036C**	Price	**MG64036XF**	Price	**MG64036F**	Price	**MG64036M**	Price
6 x 3/4	**MG640126C**	Price	**MG640126XF**	Price	**MG640126F**	Price	**MG640126M**	Price
6 x 3/8	**MG64066C**	Price	**MG64066XF**	Price	**MG64066F**	Price	**MG64066M**	Price
6 x 5/16	**MG64056C**	Price	**MG64056XF**	Price	**MG64056F**	Price	**MG64056M**	Price
6 x 5/8	**MG640106C**	Price	**MG640106XF**	Price	**MG640106F**	Price	**MG640106M**	Price
6 x 7/8	**MG640146C**	Price	**MG640146XF**	Price	**MG640146F**	Price	**MG640146M**	Price

Shape - Square								
	Coarse		Extra Fine		Fine		Medium	
Dia. (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
6 x 1 x 1	**MG646808C**	Price	**MG646808XF**	Price	**MG646808F**	Price	**MG646808M**	Price
6 x 1/2 x 1/2	**MG646404C**	Price	**MG646404XF**	Price	**MG646404F**	Price	**MG646404M**	Price
6 x 1/4 x 1/4	**MG646202C**	Price	**MG646202XF**	Price	**MG646202F**	Price	**MG646202M**	Price
6 x 3/4 x 3/4	**MG646606C**	Price	**MG646606XF**	Price	**MG646606F**	Price	**MG646606M**	Price

CRATEX® Wheel Mandrel

- Wheel Mandrel No. 1342 has a 1/4” Shank and is designed for 1/4” center hole wheels up to 3” diameter by 1/2” thick or less

Maximum Safe Speeds based on 1/2” overhang are:

- 1-1/1” dia. -15,000 R.P.M.
- 2” dia. - 10,500 R.P.M.
- 2-1/2” dia. - 8,300 R.P.M.
- 3” dia. - 7,000 R.P.M.
- These speeds are based on 5,500 Surface Feet per Minute



Order No.	Price
MG641342	Price

CRATEX® Small Wheel Mandrels



- Maximum Safe Speed 25,000 R.P.M with 1/2” overhang (exposed mandrel length) or less
- For ech additional 1/4” of overhang Maximum Safe Speed is decreased by at least 20%
- Use a light work pressure

Shank Size (in.)	For Use With	Order No.	Price
3/32	1/16" Hole Small Wheels	**MG642**	Price
1/8	1/16" Hole Small Wheels	**MG643**	Price
1/8	1/8" Hole Small Wheels	**MG645**	Price
1/4	1/8" Hole Small Wheels	**MG648**	Price

CRATEX® Wheels



- Small straight wheels can be mounted on conventional portable motor tools and used on a broad list of deburring, smoothing and polishing applications
- Large wheels have found wide application for removing rust, heat marks, tarnish, excess solder, scratches, corrosion, blending in and polishing welded seams after rough grinding, polishing bearing surfaces and raceways

COLOR CODE:

- Coarse - Dark Green
- Medium - Brown
- Fine - Red
- Extra Fine - Light Green

			Coarse		Extra Fine		Fine		Medium	
Dia. (in.)	Thickness (in.)	Arbor Hole (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
5/8	1/4	1/16	**MG6459C**	Price	**MG6459XF**	Price	**MG6459F**	Price	**MG6459M**	Price
5/8	1/8	1/16	**MG6454C**	Price	**MG6454XF**	Price	**MG6454F**	Price	**MG6454M**	Price
5/8	3/32	1/16	**MG6453C**	Price	**MG6453XF**	Price	**MG6453F**	Price	**MG6453M**	Price
7/8	1/4	1/16	**MG6479C**	Price	**MG6479XF**	Price	**MG6479F**	Price	**MG6479M**	Price
7/8	1/4	1/8	**MG64792C**	Price	**MG64792XF**	Price	**MG64792F**	Price	**MG64792M**	Price
7/8	1/8	1/16	**MG6474C**	Price	**MG6474XF**	Price	**MG6474F**	Price	**MG6474M**	Price
7/8	1/8	1/8	**MG64742C**	Price	**MG64742XF**	Price	**MG64742F**	Price	**MG64742M**	Price
7/8	3/16	1/16	**MG6476C**	Price	**MG6476XF**	Price	**MG6476F**	Price	**MG6476M**	Price
7/8	3/16	1/8	**MG64762C**	Price	**MG64762XF**	Price	**MG64762F**	Price	**MG64762M**	Price
1	1/4	1/16	**MG6488C**	Price	**MG6488XF**	Price	**MG6488F**	Price	**MG6488M**	Price
1	1/4	1/8	**MG64882C**	Price	**MG64882XF**	Price	**MG64882F**	Price	**MG64882M**	Price
1	1/8	1/16	**MG6480C**	Price	**MG6480XF**	Price	**MG6480F**	Price	**MG6480M**	Price
1	1/8	1/8	**MG64802C**	Price	**MG64802XF**	Price	**MG64802F**	Price	**MG64802M**	Price
1	3/16	1/16	**MG6486C**	Price	**MG6486XF**	Price	**MG6486F**	Price	**MG6486M**	Price
1	3/16	1/8	**MG64862C**	Price	**MG64862XF**	Price	**MG64862F**	Price	**MG64862M**	Price
1	3/32	1/16	**MG6483C**	Price	**MG6483XF**	Price	**MG6483F**	Price	**MG6483M**	Price
1	3/32	1/8	**MG64832C**	Price	**MG64832XF**	Price	**MG64832F**	Price	**MG64832M**	Price
1-1/2	1/2	1/4	**MG64158C**	Price	**MG64158XF**	Price	**MG64158F**	Price	**MG64158M**	Price
1-1/2	1/4	1/4	**MG64154C**	Price	**MG64154XF**	Price	**MG64154F**	Price	**MG64154M**	Price
1-1/2	1/8	1/8	**MG64152C**	Price	**MG64152XF**	Price	**MG64152F**	Price	**MG64152M**	Price
1-1/2	3/16	1/4	**MG64153C**	Price	**MG64153XF**	Price	**MG64153F**	Price	**MG64153M**	Price
1-1/2	3/8	1/4	**MG64156C**	Price	**MG64156XF**	Price	**MG64156F**	Price	**MG64156M**	Price
2	1/2	1/4	**MG64208C**	Price	**MG64208XF**	Price	**MG64208F**	Price	**MG64208M**	Price
2	1/4	1/4	**MG64204C**	Price	**MG64204XF**	Price	**MG64204F**	Price	**MG64204M**	Price
2	1/8	1/4	**MG64202C**	Price	**MG64202XF**	Price	**MG64202F**	Price	**MG64202M**	Price
2	3/16	1/4	**MG64203C**	Price	**MG64203XF**	Price	**MG64203F**	Price	**MG64203M**	Price
2	3/8	1/4	**MG64206C**	Price	**MG64206XF**	Price	**MG64206F**	Price	**MG64206M**	Price
2-1/2	1/2	1/4	**MG64258C**	Price	**MG64258XF**	Price	**MG64258F**	Price	**MG64258M**	Price
2-1/2	1/4	1/4	**MG64254C**	Price	**MG64254XF**	Price	**MG64254F**	Price	**MG64254M**	Price
2-1/2	3/8	1/4	**MG64256C**	Price	**MG64256XF**	Price	**MG64256F**	Price	**MG64256M**	Price
3	1/2	1/4	**MG64308C**	Price	**MG64308XF**	Price	**MG64308F**	Price	**MG64308M**	Price
3	1/4	1/4	**MG64304C**	Price	**MG64304XF**	Price	**MG64304F**	Price	**MG64304M**	Price
3	1/8	1/4	**MG64302C**	Price	**MG64302XF**	Price	**MG64302F**	Price	**MG64302M**	Price
3	1	1/2	**MG64316C**	Price	**MG64316XF**	Price	**MG64316F**	Price	**MG64316M**	Price
3	3/4	1/2	**MG64312C**	Price	**MG64312XF**	Price	**MG64312F**	Price	**MG64312M**	Price
3	3/8	1/4	**MG64306C**	Price	**MG64306XF**	Price	**MG64306F**	Price	**MG64306M**	Price
4	1/2	1/2	**MG64408C**	Price	**MG64408XF**	Price	**MG64408F**	Price	**MG64408M**	Price
4	1/4	1/2	**MG64404C**	Price	**MG64404XF**	Price	**MG64404F**	Price	**MG64404M**	Price
4	1/8	1/2	**MG64402C**	Price	**MG64402XF**	Price	**MG64402F**	Price	**MG64402M**	Price
4	1	1/2	**MG64416C**	Price	**MG64416XF**	Price	**MG64416F**	Price	**MG64416M**	Price
4	3/4	1/2	**MG64412C**	Price	**MG64412XF**	Price	**MG64412F**	Price	**MG64412M**	Price
4	3/8	1/2	**MG64406C**	Price	**MG64406XF**	Price	**MG64406F**	Price	**MG64406M**	Price
5	1/2	1/2	**MG64508C**	Price	**MG64508XF**	Price	**MG64508F**	Price	**MG64508M**	Price
5	1/4	1/2	**MG64504C**	Price	**MG64504XF**	Price	**MG64504F**	Price	**MG64504M**	Price
5	1/8	1/2	**MG64502C**	Price	**MG64502XF**	Price	**MG64502F**	Price	**MG64502M**	Price
5	1	1/2	**MG64516C**	Price	**MG64516XF**	Price	**MG64516F**	Price	**MG64516M**	Price
5	3/4	1/2	**MG64512C**	Price	**MG64512XF**	Price	**MG64512F**	Price	**MG64512M**	Price
5	3/8	1/2	**MG64506C**	Price	**MG64506XF**	Price	**MG64506F**	Price	**MG64506M**	Price
6	1/2	1/2	**MG64608C**	Price	**MG64608XF**	Price	**MG64608F**	Price	**MG64608M**	Price
6	1/4	1/2	**MG64604C**	Price	**MG64604XF**	Price	**MG64604F**	Price	**MG64604M**	Price
6	1/8	1/2	**MG64602C**	Price	**MG64602XF**	Price	**MG64602F**	Price	**MG64602M**	Price
6	1	1/2	**MG64616C**	Price	**MG64616XF**	Price	**MG64616F**	Price	**MG64616M**	Price
6	1-1/2	1/2	**MG64624C**	Price	**MG64624XF**	Price	**MG64624F**	Price	**MG64624M**	Price
6	3/4	1/2	**MG64612C**	Price	**MG64612XF**	Price	**MG64612F**	Price	**MG64612M**	Price
6	3/8	1/2	**MG64606C**	Price	**MG64606XF**	Price	**MG64606F**	Price	**MG64606M**	Price
6	5/8	1/2	**MG64610C**	Price	**MG64610XF**	Price	**MG64610F**	Price	**MG64610M**	Price
7	1/2	1/2	**MG64708C**	Price	**MG64708XF**	Price	**MG64708F**	Price	**MG64708M**	Price
7	1/4	1/2	**MG64704C**	Price	**MG64704XF**	Price	**MG64704F**	Price	**MG64704M**	Price
7	1	1/2	**MG64716C**	Price	**MG64716XF**	Price	**MG64716F**	Price	**MG64716M**	Price
7	3/4	1/2	**MG64712C**	Price	**MG64712XF**	Price	**MG64712F**	Price	**MG64712M**	Price
7	3/8	1/2	**MG64706C**	Price	**MG64706XF**	Price	**MG64706F**	Price	**MG64706M**	Price
8	1/2	1/2	**MG64808C**	Price	**MG64808XF**	Price	**MG64808F**	Price	**MG64808M**	Price
8	1/4	1/2	**MG64804C**	Price	**MG64804XF**	Price	**MG64804F**	Price	**MG64804M**	Price
8	1	1/2	**MG64816C**	Price	**MG64816XF**	Price	**MG64816F**	Price	**MG64816M**	Price
8	1-1/2	5/8	**MG64824C**	Price	**MG64824XF**	Price	**MG64824F**	Price	**MG64824M**	Price
8	3/4	1/2	**MG64812C**	Price	**MG64812XF**	Price	**MG64812F**	Price	**MG64812M**	Price
8	3/8	1/2	**MG64806C**	Price	**MG64806XF**	Price	**MG64806F**	Price	**MG64806M**	Price
8	5/8	1/2	**MG64810C**	Price	**MG64810XF**	Price	**MG64810F**	Price	**MG64810M**	Price

CRATEX® Cones



- Best answer to many difficult deburring, smoothing and polishing problems
- Easily shaped to contour in operation or by using Cratex coventional dressing tool
- Ideal for cleaning and polishing grooves, ball corners, flares, angles and other hard-to-reach surfaces
- For use on molds, dies, castings, combustion chambers and ports, stainles steel tanks, shafts, turbine blades, etc.

Shape - Bullet										
			Coarse		Extra Fine		Fine		Medium	
Length	Dia.	Arbor Hole	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1-3/4	7/8	1/4	**MG644707C**	Price	**MG644707XF**	Price	**MG644707F**	Price	**MG644707M**	Price

Shape - Cylinder										
			Coarse		Extra Fine		Fine		Medium	
Length	Dia.	Arbor Hole	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1	7/8	1/4	**MG641350C**	Price	**MG641350XF**	Price	**MG641350F**	Price	**MG641350M**	Price
1-1/2	1	1/4	**MG641351C**	Price	**MG641351XF**	Price	**MG641351F**	Price	**MG641351M**	Price

Shape - Pointed										
			Coarse		Extra Fine		Fine		Medium	
Length	Dia.	Arbor Hole	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1-1/4	7/8	1/4	**MG641357C**	Price	**MG641357XF**	Price	**MG641357F**	Price	**MG641357M**	Price
1-3/4	1	1/4	**MG641358C**	Price	**MG641358XF**	Price	**MG641358F**	Price	**MG641358M**	Price

Shape - Tapered										
			Coarse		Extra Fine		Fine		Medium	
Length	Dia.	Arbor Hole	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1	5/8 to 1/4	1/4	**MG641340C**	Price	**MG641340XF**	Price	**MG641340F**	Price	**MG641340M**	Price
1-1/4	1 to 1/4	1/4	**MG641349C**	Price	**MG641349XF**	Price	**MG641349F**	Price	**MG641349M**	Price
1-1/4	7/8 to 1/4	1/4	**MG641345C**	Price	**MG641345XF**	Price	**MG641345F**	Price	**MG641345M**	Price
2	1 to 1/2	1/4	**MG641848C**	Price	**MG641848XF**	Price	**MG641848F**	Price	**MG641848M**	Price

CRATEX® Points



- Made in both cylinder and bullet shapes for smoothing and polishing hard to reach surfaces
- Grooves, ball corners, hole, clasps, spirals, flutes and edges
- Widely used for polishing molds, dies, patterns and light castings, for cleaning contact points, solder spots and for relieving stress and micro-deburring
- **Use only with Cratex Point Mandrels to No. 6 & No. 9**
- **Maximum Safe Speed 25,000 Revolutions Per Minute**
- **Best results are usually obtained at 30% to 80% of maximum Safe Speed**

Shape - Bullet										
			Coarse		Extra Fine		Fine		Medium	
Length (in.)	Dia. (in.)	Arbor Hole (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1	3/8	1/8	**MG6411C**	Price	**MG6411XF**	Price	**MG6411F**	Price	**MG6411M**	Price
1	9/32	1/16	**MG648C**	Price	**MG648XF**	Price	**MG648F**	Price	**MG648M**	Price
5/8	3/8	1/16	**MG6410C**	Price	**MG6410XF**	Price	**MG6410F**	Price	**MG6410M**	Price
7/8	1/2	1/8	**MG6415C**	Price	**MG6415XF**	Price	**MG6415F**	Price	**MG6415M**	Price

Shape - Cylinder										
			Coarse		Extra Fine		Fine		Medium	
Length (in.)	Dia. (in.)	Arbor Hole (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
7/8	1/4	1/16	**MG646C**	Price	**MG646XF**	Price	**MG646F**	Price	**MG646M**	Price

Shape - Tapered										
			Coarse		Extra Fine		Fine		Medium	
Length (in.)	Dia. (in.)	Arbor Hole (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
7/8	3/8 to 5/16	1/8	**MG6412C**	Price	**MG6412XF**	Price	**MG6412F**	Price	**MG6412M**	Price
7/8	5/8 to 1/8	1/8	**MG6414C**	Price	**MG6414XF**	Price	**MG6414F**	Price	**MG6414M**	Price

CRATEX® Cone Mandrel

- Rubberized Abrasive Cones are designed to fit Cratex Cone Mandrel No. 1341, 1/4" Shank
- Maximum Safe Speed 20,000 R.P.M. with 1/2" overhang (exposed mandrel length) or less
- For each additional 1/4" of overhang the Maximum Safe Speed is decreased by at least 20%



Order No.	Price
MG641341	Price

CRATEX® Point Mandrels



- Mandrels No. 1 and 4 have a 3-48 thread and a hex nut flange
- Mandrel No. 6 has a No, 5-40 thread and a hex nut flange
- Mandrel No. 9 has a No. 5 screw thread and a fixed shoulder flange

Shank (in.)	For Use With	Order No.	Price
1/4	No. 11, 12, 14, 15 Points, 1/8 Hole	**MG64M9**	Price
1/8	No. 11, 12, 14, 15 Points, 1/8 Hole	**MG64M6**	Price
1/8	No. 4, 6, 8, 10 Points, 1/16 Hole	**MG64M4**	Price
3/32	No. 4, 6, 8, 10 Points, 1/16 Hole	**MG64M1**	Price

CRATEX® Cratex Introductory Kit

- Contains 80 wheels and points plus mandrels
- Ideal for use in a wide range of polishing, smoothing and deburring applications

Contents of Kit 777

(8) Tapered Edge Wheels No. 2
(8) Straight Wheels No. 44
(16) Straight Wheels No. 74
(8)Straight Wheels No. 86
(16) Cylinder Points No. 6
(16) Bullet Points No. 8
(8) Bullet Points No. 10
(2) Wheel Mandrels No. 3
(2) Point Mandrels No. 4



Equally assorted in the four Cratex Grit Textures—
C (Coarse) • M (Medium) • F (Fine) • XF (Extra Fine)

Order No.	Price
MG64777	Price

CRATEX® Cratex Point Test Kit

- Contains all eight point shapes — a total of 64 points plus four mandrels
- Ideal for deburring, smoothing and polishing hard-to-reach surfaces

Contents of Kit 778:

(8) Cylinder Points No. 4
(8) Cylinder Points No. 6
(8) Bullet Points No. 8
(8) Bullet Points No. 10
(8) Bullet Points No. 11
(8) Tapered Points No. 12
(8) Tapered Points No. 14
(8) Bullet Points No. 15
(2) Point Mandrels No. 4
(2) Point Mandrels No. 6



Equally assorted in the four Cratex Grit Textures —
C (Coarse) • M (Medium) • F (Fine) • XF (Extra Fine)

Order No.	Price
MG64778	Price

CRATEX® Cratex Small Wheel and Mandrel Kit

- Contains 44 popular small wheels plus two mandrels which have a multitude of industrial applications

Contents of Kit 707:

(8) Straight Wheels No. 86
(8) Straight Wheels No. 80
(8) Straight Wheels No. 74
(8) Straight Wheels No. 54
(8) Straight Wheels No. 44
(4) Tapered Edge Wheels No. 5
(2) Wheel Mandrels No. 3



Equally assorted in the four Cratex Grit Textures—
C (Coarse) • M (Medium) • F (Fine) • XF (Extra Fine)

Order No.	Price
MG64707	Price

CRATEX® Cratex Cone Test Kit

- Contains 18 cones plus two mandrels
- Ideal for smoothing, cleaning and polishing grooves, ball corners, flares, angles, holes and other hard-to-reach surfaces

Contents of Kit 227:

(2) Tapered Cones No. 1340
(2) Tapered Cones No. 1345
(2) Tapered Cones No. 1349
(2) Tapered Cones No. 1848
(2) Cylinder Cones No. 1350
(2) Cylinder Cones No. 1351
(2) Pointed Cones No. 1357
(2) Pointed Cones No. 1358
(2) Cone Mandrels No. 1341
(2) Bullet Cones No. 4707



Equally divided between C (Coarse) and F (Fine) Grit Textures

Order No.	Price
MG64227	Price

CRATEX® Cratex Combination Kit

- A comprehensive introductory assortment of blocks and sticks, cones and wheels used in a broad range of industrial and metalcraft applications involving light deburring, smoothing, cleaning and polishing

Contents of Kit 226:

(4) Oblong Blocks No. 6803
(4) Round Sticks No. 086
(4) Tapered Cones No. 1345
(4) Cylinder Cones No. 1350
(4) Straight Wheels No. 204
(1) Cone Mandrel No. 1341
(1) Wheel Mandrel No. 1342



Equally assorted in the four Cratex Grit Textures —
C (Coarse) • M (Medium) • F (Fine) • XF (Extra Fine)

Order No.	Price
MG64226	Price

CRATEX® Cratex Point and Mandrel Kit

- Contains 40 popular small points plus four mandrels

Contents of Kit 767:

(8) Bullet Points No. 8
(8) Bullet Points No. 10
(8) Bullet Points No. 11
(8) Tapered Points No. 14
(8) Bullet Points No. 15
(2) Point Mandrels No. 4
(2) Point Mandrels No. 6



Equally assorted in the four Cratex Grit Textures—
C (Coarse) • M (Medium) • F (Fine) • XF (Extra Fine)

Order No.	Price
MG64767	Price

Rex Cut® Mounted Points - Aluminum Oxide

- Abrasive grain impregnated into laminations of cotton fabric
- Versatile abrasive tool for grinding and finishing in one operation
- Ideal for stainless steel and aluminum



Grit Grade - GFX						
Shape	Dia. (in.)	Length (in.)	Shank Size (in.)	Specification	Order No.	Price
B121	1/2	1/2	1/8 x 1-1/2	A80GFX	**RX4112102**	Price
B52	3/8	3/4	1/8 x 1-1/2	A120GFX	**RX4105203**	Price
B52	3/8	3/8	1/8 x 1-1/2	A80GFX	**RX4105202**	Price
W153	3/16	3/8	1/8 x 1-1/2	A120GFX	**RX4115303**	Price
W153	3/16	3/8	1/8 x 1-1/2	A80GFX	**RX4115302**	Price
W154	3/16	1/2	1/8 x 1-1/2	A80GFX	**RX4115402**	Price
W163	1/4	1/2	1/8 x 1-1/2	A120GFX	**RX4116303**	Price
W163	1/4	1/2	1/8 x 1-1/2	A80GFX	**RX4116302**	Price
W175	3/8	3/8	1/8 x 1-1/2	A80GFX	**RX4117502**	Price
W176	3/8	1/2	1/8 x 1-1/2	A120GFX	**RX4117603**	Price
W176	3/8	1/2	1/8 x 1-1/2	A80GFX	**RX4117602**	Price
W177	3/8	3/4	1/8 x 1-1/2	A120GFX	**RX4117703**	Price
W177	3/8	3/4	1/8 x 1-1/2	A80GFX	**RX4117702**	Price
W185	1/2	1/2	1/8 x 1-1/2	A120GFX	**RX4118503**	Price
W185	1/2	1/2	1/8 x 1-1/2	A80GFX	**RX4118502**	Price
W220	1	1	1/4 x 1-1/2	A120GFX	**RX4122003**	Price
W220	1	1	1/4 x 1-1/2	A80GFX	**RX4122002**	Price

Grit Grade - MTX						
Shape	Dia. (in.)	Length (in.)	Shank Size (in.)	Specification	Order No.	Price
W153	3/16	3/8	1/8 x 1-1/2	A120MTX	**RX4115309**	Price
W153	3/16	3/8	1/8 x 1-1/2	A80MTX	**RX4115308**	Price
W154	3/16	1/2	1/8 x 1-1/2	A120MTX	**RX4115409**	Price
W160	1/4	1/4	1/8 x 1-1/2	A120MTX	**RX4116003**	Price
W160	1/4	1/4	1/8 x 1-1/2	A80MTX	**RX4116002**	Price
W163	1/4	1/2	1/8 x 1-1/2	A120MTX	**RX4116309**	Price
W163	1/4	1/2	1/8 x 1-1/2	A80MTX	**RX4116308**	Price
W176	3/8	1/2	1/8 x 1-1/2	A120MTX	**RX4117609**	Price
W176	3/8	1/2	1/8 x 1-1/2	A80MTX	**RX4117608**	Price
W177	3/8	3/4	1/8 x 1-1/2	A120MTX	**RX4117709**	Price
W177	3/8	3/4	1/8 x 1-1/2	A80MTX	**RX4117708**	Price
W185	1/2	1/2	1/8 x 1-1/2	A120MTX	**RX4118509**	Price
W185	1/2	1/2	1/8 x 1-1/2	A80MTX	**RX4118508**	Price

Rex Cut® Type 27 Depressed Center Wheel

- Aluminum Oxide
- A24 MTX for removing welds on aluminum — non-loading
- A36 GFX for blending welds on stainless steel and aluminum



Size (in.)	Specification	Order No.	Price
4-1/2 x 1/4 x 7/8	A24-MTX	**RX4145401**	Price
4-1/2 x 1/4 x 7/8	A36-GFX	**RX4145403**	Price
7 x 1/4 x 7/8	A24-MTX	**RX4107401**	Price
7 x 1/4 x 7/8	A36-GFX	**RX4107403**	Price

Rex Cut® Type 1 Straight Sided Wheels

- MTX for Grinding, deburring gears, edges, etc
- GFX for Blending and Finishing
- NTX Wheels available for heavier deburring



Size (in.)	Specification	Order No.	Price
2 x 1/16 x 1/4	A54-MTX	**RX4120202**	Price
2 x 1/16 x 1/4	A80-MTX	**RX4120203**	Price
2 x 1/8 x 1/4	A54-GFX	**RX4120404**	Price
2 x 1/8 x 1/4	A54-MTX	**RX4120402**	Price
2 x 1/8 x 1/4	A80-GFX	**RX4120405**	Price
2 x 1/8 x 1/4	A80-MTX	**RX4120403**	Price
3 x 1/16 x 3/8	A36-MTX	**RX41302121**	Price
3 x 1/16 x 3/8	A54-MTX	**RX41302122**	Price
3 x 1/16 x 3/8	A80-MTX	**RX41302123**	Price
3 x 1/8 x 3/8	A36-MTX	**RX41304121**	Price
3 x 1/8 x 3/8	A54-GFX	**RX41304124**	Price
3 x 1/8 x 3/8	A54-MTX	**RX41304122**	Price
3 x 1/8 x 3/8	A80-GFX	**RX41304125**	Price
3 x 1/8 x 3/8	A80-MTX	**RX41304123**	Price
4 x 1/16 x 3/8	A54-MTX	**RX41402122**	Price
4 x 1/16 x 3/8	A80-MTX	**RX41402123**	Price
4 x 1/8 x 3/8	A54-GFX	**RX41404124**	Price
4 x 1/8 x 3/8	A80-GFX	**RX41404125**	Price
4 x 1/8 x 3/8	A80-MTX	**RX41404123**	Price

Cut-N-Finish™ Flexible Abrasive Discs

- Ideal for blending welds on stainless steel, aluminum and other non-ferrous metals



Dia. (in.)	Hole Size (in.)	Grit	Order No.	Price
4-1/2	7/8	A24	**RX4145204**	Price
7	7/8	A54	**RX4107203**	Price

Rex Cut® Rol-On Quick Change Disc

- Grinds and finishes in one step
- Non-loading on aluminum
- Longer life — outlasts coated discs 10 to 1
- 80 Grit — For polishing and light deburring
- 54 Grit — For medium deburring and finishing
- 36 Grit — For heavy deburring and blending



Dia. (in.)	Grit	Order No.	Price
1-1/2	A36	**RX411536**	Price
1-1/2	A54	**RX411554**	Price
1-1/2	A80	**RX411580**	Price
2	A36	**RX412036**	Price
2	A54	**RX412054**	Price
2	A80	**RX412080**	Price
3	A36	**RX413036**	Price
3	A54	**RX413054**	Price
3	A80	**RX413080**	Price

Rol-On Disc Holders



Dia. (in.)	Order No.	Price
1-1/2	**MM5961174**	Price
2	**MM5964922**	Price
3	**MM5964949**	Price

50 Pc. Mounted Point Kits

- Each kit contains 5 each of 10 of our best selling mounted point shapes and specifications
- The 1/4" spindle, "A" shaped points are ideal for general maintenance, metalworking applications
- The 1/8" spindle kits contain "B" shaped points for light deburring machine parts and for finishing/polishing dies
- The "W" shaped points in both these kits work well for precision grinding of medium to heavy stock



Shank Size (in.)	Set Contains	Order No.	Price
1/8	5 Each of: B42, B52, B97, B122, B131, W154, W164, W185, W215 Pacesetter & W163 A80-HBF3	**MH67MPK47669**	Price
1/4	5 Each of: A1, A5, A11, A21, A23, A26, A36, A39, W242 Pacesetter and 5 W220 A80-HBF3	**MH67MPK47789**	Price

Mounted Point Tool Room Assortment - Common Sizes and Shapes

- All common sizes and shapes in a convenient storage box
- Use on die or in-line/straight shaft grinders
- Blending contours, deburring molded parts and mold finishing
- ID grinding, offhand bench grinding, tool and die

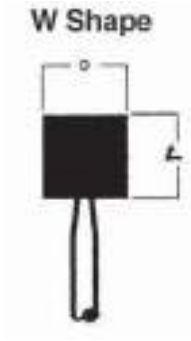


Shank Size (in.)	Description	Order No.	Price
1/8 x 1-1/2	100 Piece Assortment	**ML50MP100**	Price
1/4 x 1-1/2	50 Piece Assortment	**ML50MP50**	Price

Industrial Quality Mounted Wheel/Points

Hard-to-Find Shank Sizes

- Aluminum oxide vitrified
- Random colors
- Norton, Carborundum and Bay State brands



Shape	Dia. (in.)	Length (in.)	Shank Size (in.)	Order No.	Price
W154	3/16	1/2	3/32 x 1-1/2	**ML61003A**	Price
W181	1/2	1/16	1/4 x 1-1/2	**ML61009A**	Price

Center Lap Mounted Points

- Specially formulated wheel treatment (#5 wood resin)
- Larger diameter spindle
- Precise dimensional tolerances
- Adds lubricity to the wheel, minimizing risk of metallurgical damage
- Minimum deflection, rigid support
- Ensure accurate location of part centers



Dia. (in.)	Thickness (in.)	Spindle Dia. (in.)	Maximum RPM	Spec	Standard Package	Order No.	Price
1	2	1/2	15,900	A80-VVM	5	**MH67CL10222926**	Price
1/2	1	1/2	65000	A80-VVM	5	**MH67CL05221421**	Price

Vitrified Bond Mounted Points

SurfPro:
- Medium Grit - Semi-friable Aluminum Oxide
- Vitrified bond-long life
- Provides madium to heavy duty stock removal
- Gray/Blue color

Standard Quality:
- Medium Grit - Aluminum Oxide - Vitrified Bond
- Light to medium stock removal
- Random colors





SURF PRO

Shank (in.) - 1/4 x 1-1/2							
				Standard Quality		Surf-Pro	
Shape	Dia. (in.)	Length (in.)	Max. RPM	Order No.	Price	Order No.	Price
A1	3/4	2-1/2	19,800	**ML50A1**	Price	-	-
A2	1	1-1/4	38,200	**ML50A2**	Price	**ML40A2G**	Price
A3	1	2-3/4	16,100	**ML50A3**	Price	**ML40A3G**	Price
A4	1-1/4	1-1/4	30,560	**ML50A4**	Price	**ML40A4G**	Price
A5	3/4	1-1/8	45,000	**ML50A5**	Price	**ML40A5G**	Price
A6	3/4	1-1/8	39,000	**ML50A6**	Price	**ML40A6G**	Price
A11	7/8	2	19,860	**ML50A11**	Price	**ML40A11G**	Price
A12	11/16	1-1/4	48,000	**ML50A12**	Price	**ML40A12G**	Price
A13	1-1/8	1-1/8	33,950	**ML50A13**	Price	**ML40A13G**	Price
A14	11/16	7/8	55,560	**ML50A14**	Price	**ML40A14G**	Price
A15	1/4	1-1/16	72,750	**ML50A15**	Price	**ML40A15G**	Price
A21	1	1	34,500	**ML50A21**	Price	**ML40A21G**	Price
A22	3/4	5/8	50,930	**ML50A22**	Price	-	-
A23	3/4	1	39,370	**ML50A23**	Price	**ML40A23G**	Price
A24	1/4	3/4	76,500	**ML50A24**	Price	**ML40A24G**	Price
A25	1	1	35,620	**ML50A25**	Price	**ML40A25G**	Price
A26	5/8	5/8	61,120	**ML50A26**	Price	**ML40A26G**	Price
A31	1-3/8	1	27,780	**ML50A31**	Price	**ML40A31G**	Price
A32	1	5/8	38,200	**ML50A32**	Price	**ML40A32G**	Price
A33	1	1/2	38,200	**ML50A33**	Price	**ML40A33G**	Price
A34	1-1/2	3/8	25,470	**ML50A34**	Price	**ML40A34G**	Price
A35	1	3/8	38,200	**ML50A35**	Price	**ML40A35G**	Price
A36	1-5/8	3/8	23,520	**ML50A36**	Price	**ML40A36G**	Price
A37	1-1/4	1/4	30,560	**ML50A37**	Price	**ML40A37G**	Price
A38	1	1	34,500	**ML50A38**	Price	**ML40A38G**	Price
A39	3/4	3/4	47,250	**ML50A39**	Price	**ML40A39G**	Price
A40	3/4	3/4	47,250	**ML50A40**	Price	**ML40A40G**	Price

SURF PRO

Shank (in.) - 1/8 x 1-1/2							
				Standard Quality		Surf-Pro	
Shape	Dia. (in.)	Length (in.)	Max. RPM	Order No.	Price	Order No.	Price
B41	5/8	5/8	33,750	**ML50B41**	Price	**ML40B41G**	Price
B42	1/2	3/4	33,750	**ML50B42**	Price	**ML40B42G**	Price
B43	1/4	5/16	81,370	**ML50B43**	Price	**ML40B43G**	Price
B44	7/32	3/8	68,400	**ML50B44**	Price	**ML40B44G**	Price
B45	3/16	5/16	104,250	**ML50B45**	Price	**ML40B45G**	Price
B46	1/8	5/16	105,000	**ML50B46**	Price	**ML40B46G**	Price
B47	1/8	5/32	105,000	**ML50B47**	Price	**ML40B47G**	Price
B51	7/16	3/4	45,370	**ML50B51**	Price	**ML40B51G**	Price
B52	3/8	3/4	45,370	**ML50B52**	Price	**ML40B52G**	Price
B53	1/4	5/8	60,000	**ML50B53**	Price	**ML40B53G**	Price
B54	1/4	1/2	60,000	**ML50B54**	Price	**ML40B54G**	Price
B55	1/8	1/4	105,000	**ML50B55**	Price	**ML40B55G**	Price
B61	3/4	5/16	38,250	**ML50B61**	Price	**ML40B61G**	Price
B62	1/2	3/8	41,020	**ML50B62**	Price	-	-
B63	1/4	3/16	92,400	**ML50B63**	Price	-	-
B64	1/4	1/16	105,000	**ML50B64**	Price	-	-

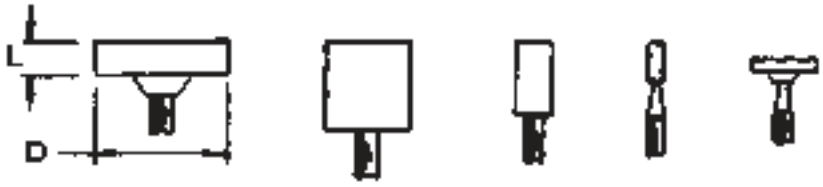
SURF PRO

Shank (in.) - 1/8 x 1-1/2							
				Standard Quality		Surf-Pro	
Shape	Dia. (in.)	Length (in.)	Max. RPM	Order No.	Price	Order No.	Price
B65	1/8	1/8	105,000	**ML50B65**	Price	-	-
B70	3/4	1/8	50,930	**ML50B70**	Price	**ML40B70G**	Price
B71	5/8	3/32	61,120	**ML50B71**	Price	**ML40B71G**	Price
B72	1/2	1/8	73,500	**ML50B72**	Price	**ML40B72G**	Price
B73	1/2	3/32	73,500	**ML50B73**	Price	**ML40B73G**	Price
B74	7/32	3/32	105,000	**ML50B74**	Price	**ML40B74G**	Price
B81	3/4	3/16	50,930	**ML50B81**	Price	**ML40B81G**	Price
B82	1/2	1/4	76,390	**ML50B82**	Price	-	-
B83	3/8	1/8	87,600	**ML50B83**	Price	-	-
B84	5/16	3/16	105,000	**ML50B84**	Price	-	-
B90	1/2	1/2	34,500	**ML50B90**	Price	-	-
B91	1/2	5/8	34,500	**ML50B91**	Price	**ML40B91G**	Price
B92	1/4	1/4	81,370	**ML50B92**	Price	**ML40B92G**	Price
B93	3/16	3/16	105,000	**ML50B93**	Price	-	-
B94	11/64	3/32	105,000	**ML50B94**	Price	-	-
B95	1/8	3/16	105,000	**ML50B95**	Price	**ML40B95G**	Price
B96	1/8	1/4	105,000	**ML50B96**	Price	**ML40B96G**	Price
B97	1/8	3/8	105,000	**ML50B97**	Price	**ML40B97G**	Price
B98	3/32	1/4	105,000	**ML50B98**	Price	**ML40B98G**	Price
B101	5/8	11/16	33,750	**ML50B101**	Price	-	-
B102	5/8	1/2	45,370	**ML50B102**	Price	-	-
B103	5/8	3/16	61,120	**ML50B103**	Price	-	-
B104	5/16	3/8	68,400	**ML50B104**	Price	**ML40B104G**	Price
B105	1/4	1/4	104,250	**ML50B105**	Price	-	-
B106	1/8	7/64	105,000	**ML50B106**	Price	-	-
B111	7/16	11/16	33,750	**ML50B111**	Price	**ML40B111G**	Price
B112	3/8	1/2	45,370	**ML50B112**	Price	**ML40B112G**	Price
B113	1/4	1/4	81,370	**ML50B113**	Price	-	-
B114	2/32	3/8	68,400	**ML50B114**	Price	-	-
B115	3/32	1/8	105,000	**ML50B115**	Price	-	-
B121	1/2	1/2	45,370	**ML50B121**	Price	**ML40B121G**	Price
B122	3/8	3/8	61,650	**ML50B122**	Price	**ML40B122G**	Price
B123	3/16	3/16	104,250	**ML50B123**	Price	**ML40B123G**	Price
B124	1/8	1/8	105,000	**ML50B124**	Price	**ML40B124G**	Price
B131	1/2	1/2	34,500	**ML50B131**	Price	**ML40B131G**	Price
B132	3/8	1/2	45,370	**ML50B132**	Price	**ML40B132G**	Price
B133	3/8	3/8	54,000	**ML50B133**	Price	**ML40B133G**	Price
B134	5/16	3/8	61,650	**ML50B134**	Price	**ML40B134G**	Price
B135	1/4	1/2	60,000	**ML50B135**	Price	**ML40B135G**	Price
B136	1/4	5/16	77,250	**ML50B136**	Price	**ML40B136G**	Price

Group W - Cylindrical Shapes

SurfPro:
- Medium Grit - Semi-friable Aluminum Oxide
- Vitrified bond-long life
- Provides medium to heavy duty stock removal
- Gray/Blue color

Standard Quality:
- Medium Grit - Aluminum Oxide - Vitrified Bond
- Light to medium stock removal
- Random colors



Shank (in.) - 1/8 x 1-1/2							
				Standard Quality		Surf-Pro	
Shape	Dia. (in.)	Length (in.)	Max. RPM	Order No.	Price	Order No.	Price
W141	3/32	5/32	105,000	**ML50W141**	Price	-	-
W142	3/32	1/4	105,000	**ML50W142**	Price	**ML40W142G**	Price
W143	1/8	1/8	105,000	**ML50W143**	Price	-	-
W144	1/8	1/4	105,000	**ML50W144**	Price	**ML40W144G**	Price
W145	1/8	3/8	105,000	**ML50W145**	Price	**ML40W145G**	Price
W146	1/8	1/2	105,000	**ML50W146**	Price	**ML40W146G**	Price
W148	5/32	1/16	105,000	**ML50W148**	Price	-	-
W149	5/32	1/4	105,000	**ML50W149**	Price	**ML40W149G**	Price
W150	3/16	1/16	105,000	**ML50W150**	Price	-	-
W151	3/16	1/8	105,000	**ML50W151**	Price	-	-
W152	3/16	1/4	105,000	**ML50W152**	Price	**ML40W152G**	Price
W153	3/16	3/8	80,850	**ML50W153**	Price	**ML40W153G**	Price
W154	3/16	1/2	70,500	**ML50W154**	Price	**ML40W154G**	Price
W155	13/64	1/4	123,000	**ML50W155**	Price	-	-
W157	1/4	1/16	123,000	**ML50W157**	Price	**ML40W157G**	Price
W158	1/4	1/8	105,000	**ML50W158**	Price	-	-
W159	1/4	3/16	123,000	**ML50W159**	Price	-	-
W160	1/4	1/4	81,370	**ML50W160**	Price	**ML40W160G**	Price
W161	1/4	5/16	77,250	**ML50W161**	Price	-	-
W162	1/4	3/8	68,400	**ML50W162**	Price	**ML40W162G**	Price
W163	1/4	1/2	60,000	**ML50W163**	Price	**ML40W163G**	Price
W164	1/4	3/4	45,900	**ML50W164**	Price	**ML40W164G**	Price
W165	5/16	1/16	107,400	**ML50W165**	Price	-	-
W166	5/16	1/8	96,970	**ML50W166**	Price	-	-
W167	5/16	1/4	75,000	**ML50W167**	Price	-	-
W168	5/16	5/16	68,400	**ML50W168**	Price	-	-
W169	5/16	3/8	61,650	**ML50W169**	Price	**ML40W169G**	Price
W170	5/16	1/2	52,500	**ML50W170**	Price	**ML40W170G**	Price
W171	5/16	3/4	37,120	**ML50W171**	Price	-	-
W172	3/8	1/16	99,370	**ML50W172**	Price	-	-
W173	3/8	1/8	87,600	**ML50W173**	Price	-	-
W174	3/8	1/4	69,000	**ML50W174**	Price	-	-
W175	3/8	3/8	54,000	**ML50W175**	Price	**ML40W175G**	Price
W176	3/8	1/2	45,370	**ML50W176**	Price	**ML40W176G**	Price
W177	3/8	3/4	33,750	**ML50W177**	Price	**ML40W177G**	Price
W178	3/8	1	26,250	**ML50W178**	Price	**ML40W178G**	Price
W180	1/2	1/32	76,390	**ML50W180**	Price	-	-
W181	1/2	1/16	76,390	**ML50W181**	Price	-	-
W182	1/2	1/8	73,500	**ML50W182**	Price	**ML40W182G**	Price
W183	1/2	1/4	51,750	**ML50W183**	Price	**ML40W183G**	Price
W184	1/2	3/8	41,020	**ML50W184**	Price	-	-
W185	1/2	1/2	34,500	**ML50W185**	Price	**ML40W185G**	Price
W186	1/2	3/4	26,250	**ML50W186**	Price	**ML40W186G**	Price
W187	1/2	1	20,620	**ML50W187**	Price	**ML40W187G**	Price
W190	5/8	1/16	61,120	**ML50W190**	Price	-	-
W191	5/8	1/8	58,870	**ML50W191**	Price	**ML40W191G**	Price
W193	5/8	3/8	32,250	**ML50W193**	Price	-	-
W194	5/8	1/2	29,400	**ML50W194**	Price	-	-
W195	5/8	3/4	22,120	**ML50W195**	Price	**ML40W195G**	Price
W199	3/4	1/16	50,930	**ML50W199**	Price	-	-
W200	3/4	1/8	50,930	**ML50W200**	Price	**ML40W200G**	Price
W201	3/4	1/4	38,250	**ML50W201**	Price	-	-

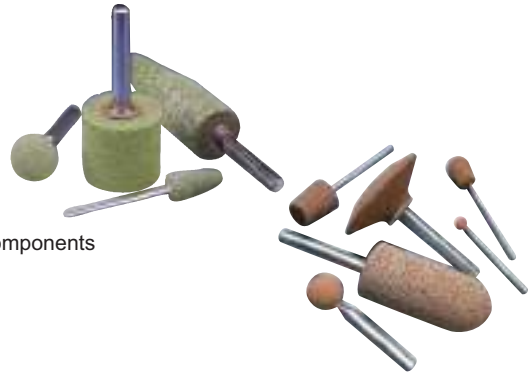
Shank (in.) - 1/8 x 1-1/2							
				Standard Quality		Surf-Pro	
Shape	Dia. (in.)	Length (in.)	Max. RPM	Order No.	Price	Order No.	Price
W202	3/4	3/8	30,600	**ML50W202**	Price	-	-
W203	3/4	1/2	25,500	**ML50W203**	Price	-	-
W210	7/8	1/16	43,650	**ML50W210**	Price	-	-
W211	7/8	1/8	43,650	**ML50W211**	Price	-	-
W212	7/8	1/4	33,750	**ML50W212**	Price	-	-
W213	7/8	3/8	27,000	**ML50W213**	Price	-	-
W215	1	1/8	38,200	**ML50W215**	Price	**ML40W215G**	Price
W216	1	1/4	30,520	**ML50W216**	Price	**ML40W216G**	Price

Shank (in.) - 1/4 x 1-1/2							
				Standard Quality		Surf-Pro	
Shape	Dia. (in.)	Length (in.)	Max. RPM	Order No.	Price	Order No.	Price
W188	1/2	1-1/2	30,370	**ML50W188**	Price	**ML40W188G**	Price
W189	1/2	2	24,000	**ML50W189**	Price	**ML40W189G**	Price
W196	5/8	1	17,620	**ML50W196**	Price	**ML40W196G**	Price
W197	5/8	2	21,000	**ML50W197**	Price	**ML40W197G**	Price
W198	5/8	2-1/2	16,500	**ML50W198**	Price	-	-
W204	3/4	3/4	18,900	**ML50W204**	Price	**ML40W204G**	Price
W205	3/4	1	34,500	**ML50W205**	Price	**ML40W205G**	Price
W206	3/4	1-1/4	28,720	**ML50W206**	Price	-	-
W207	3/4	1-1/2	24,000	**ML50W207**	Price	**ML40W207G**	Price
W208	3/4	2	18,750	**ML50W208**	Price	**ML40W208G**	Price
W209	3/4	2-1/2	15,000	**ML50W209**	Price	-	-
W217	1	3/8	38,200	**ML50W217**	Price	**ML40W217G**	Price
W218	1	1/2	38,200	**ML50W218**	Price	**ML40W218G**	Price
W219	1	3/4	35,100	**ML50W219**	Price	-	-
W220	1	1	25,500	**ML50W220**	Price	**ML40W220G**	Price
W221	1	1-1/2	19,120	**ML50W221**	Price	**ML40W221G**	Price
W222	1	2	15,900	**ML50W222**	Price	**ML40W222G**	Price
W223	1	2-1/2	12,370	**ML50W223**	Price	-	-
W225	1-1/4	1/4	30,560	**ML50W225**	Price	**ML40W225G**	Price
W226	1-1/4	3/8	30,560	**ML50W226**	Price	-	-
W227	1-1/4	1/2	30,560	**ML50W227**	Price	-	-
W228	1-1/4	3/4	30,520	**ML50W228**	Price	-	-
W229	1-1/4	1	24,000	**ML50W229**	Price	**ML40W229G**	Price
W230	1-1/4	1-1/4	20,400	**ML50W230**	Price	-	-
W231	1-1/4	1-1/2	17,620	**ML50W231**	Price	-	-
W232	1-1/4	2	14,250	**ML50W232**	Price	-	-
W235	1-1/2	1/4	25,470	**ML50W235**	Price	**ML40W235G**	Price
W236	1-1/2	1/2	25,470	**ML50W236**	Price	**ML40W236G**	Price
W237	1-1/2	1	22,500	**ML50W237**	Price	**ML40W237G**	Price
W238	1-1/2	1-1/2	15,600	**ML50W238**	Price	**ML40W238G**	Price

Shank (in.) - 3/8 x 1-1/2					
				Standard Quality	
Shape	Dia. (in.)	Length (in.)	Max. RPM	Order No.	Price
W224	1	3	7,000	**ML50W224†**	Price
W233	1-1/4	2-1/2	18,335	**ML50W233†**	Price
W234	1-1/4	3	18,335	**ML50W234†**	Price

† Denotes 3/8" shank - recommended for safety requirements.

Premium Vitrified Bond Mounted Points



Gemini
- 38A Abrasive
- Diverse shapes and sizes
- Cool cutting, less burn
- Ideal when initial price is the main purchasing consideration

Quantum
- Unique, engineered ceramic grain shape and chemistry with proven bond technology
- Ideal for high volume foundry operatioons - grinding Inconel and similar alloy turbine blade components
- Minimal loading and heat build up
- 33% + Longer live vs. competitive ceramic products
- 30% + Higher metal removal rates
- Versatile, optimized for all low, medium and high force applications
- Exceptional productivity and life

						38A		Ceramic Alumina	
						Gemini		Quantum	
Shape	Dia. (in.)	Thickness (in.)	Spindle Dia.	Max. RPM	Std. Pk.	Order No.	Price	Order No.	Price
A1	3/4	2-1/2	1/4	19,800	5	MH67A1P24375	Price	MH67A1P49139	Price
A3	1	2-3/4	1/4	16,100	5	MH67A3P24378	Price	-	-
A4	1-1/4	1-1/4	1/4	30,560	5	MH67A4P24380	Price	-	-
A5	3/4	1-1/8	1/4	45,000	5	MH67A5P24382	Price	-	-
A11	7/8	2-1/4	1/4	19,860	5	MH67A11P24385	Price	-	-
A11	7/8	2	1/4	19,860	5	-	-	MH67A11P49141	Price
A12	11/16	1-1/4	1/4	48,000	5	MH67A12P24388	Price	MH67A12P77679	Price
A13	1-1/8	1-1/8	1/4	33,950	5	MH67A13P24389	Price	-	-
A14	11/16	7/8	1/4	55,560	5	MH67A14P24390	Price	-	-
A15	1/4	1-1/16	1/4	72,750	5	MH67A15P24391	Price	-	-
A21	1	1-1/4	1/4	34,500	5	MH67A21P24392	Price	-	-
A21	1	1	1/4	35,500	5	-	-	MH67A21P49144	Price
A23	3/4	1	1/4	39,370	5	-	-	MH67A23P49143	Price
A23	3/4	1-1/4	1/4	39,370	5	MH67A23P24394	Price	-	-
A24	1/4	3/4	1/4	76,500	5	MH67A24P24395	Price	-	-
A25	1 Ball	1	1/4	35,620	5	MH67A25P24396	Price	-	-
A25	1 Ball	1	1/4	36,620	5	-	-	MH67A25P77680	Price
A26	5/8 Ball	5/8	1/4	61,120	5	MH67A26P24397	Price	MH67A26P49145	Price
A31	1-3/8	1-1/4	1/4	27,780	5	MH67A31P24399	Price	-	-
A32	1	5/8	1/4	38,200	5	MH67A32P24400	Price	-	-
A34	1-1/2	3/8	1/4	25,470	5	MH67A34P24402	Price	-	-
A36	1-5/8	3/8	1/4	23,520	5	MH67A36P24404	Price	MH67A36P49146	Price
A37	1-1/4	1/4	1/4	30,560	5	MH67A37P24405	Price	-	-
A38	1	1	1/4	34,500	5	-	-	MH67A38P77682	Price
A38	1	1-1/4	1/4	34,500	5	MH67A38P24406	Price	-	-
A39	3/4	3/4	1/4	47,250	5	MH67A39P24407	Price	MH67A39P49147	Price
A40	3/4 Ball	3/4	1/4	47,250	5	MH67A40P24408	Price	-	-
B41	5/8	5/8	1/8	33,570	5	MH67B41P24410	Price	-	-
B42	1/2	3/4	1/8	33,570	5	MH67B41P24412	Price	MH67B42P49045	Price
B43	1/4	5/16	1/8	81,370	5	MH67B43P24413	Price	-	-
B44	7/32	3/8	1/8	68,400	5	MH67B44P24414	Price	-	-
B45	3/16	5/16	1/8	104,250	5	MH67B45P24415	Price	-	-
B46	1/8	5/16	1/8	105,000	5	MH67B46P24416	Price	-	-
B51	7/16	3/4	1/8	45,370	5	MH67B51P24418	Price	-	-
B52	3/8	3/4	1/8	45,370	5	MH67B52P24422	Price	MH67B52P49046	Price
B53	5/16	5/8	1/8	60,000	5	MH67B53P24423	Price	-	-
B54	1/4	1/2	1/8	60,000	5	MH67B54P24424	Price	-	-
B55	1/8	1/4	1/8	105,000	5	MH67B55P24425	Price	-	-
B73	1/2	3/32	1/8	73,500	5	MH67B73P24435	Price	-	-
B81	3/4	3/16	1/8	50,930	5	MH67B81P24437	Price	-	-
B91	1/2	5/8	1/8	34,500	5	MH67B91P24443	Price	-	-
B96	1/8	1/4	1/8	105,000	5	MH67B96P24449	Price	-	-
B97	1/8	3/8	1/8	105,000	5	MH67B97P24451	Price	MH67B97P49048	Price
B98	3/32	1/4	1/8	105,000	5	MH67B98P24452	Price	-	-
B121	1/2 Ball	1/2	1/8	45,370	5	MH67B121P24466	Price	-	-
B122	3/8 Ball	3/8	1/8	61,650	5	MH67B122P24470	Price	MH67B122P49050	Price
B123	3/16 Ball	3/16	1/8	104,250	5	MH67B123P24472	Price	-	-
B131	1/2	1/2	1/8	34,500	5	MH67B131P24475	Price	MH67B131P49049	Price
B133	3/8	3/8	1/8	54,000	5	MH67B133P24481	Price	-	-
B134	5/16	3/8	1/8	61,650	5	MH67B134P24482	Price	-	-
B135	1/4	1/2	1/2	60,000	5	MH67B135P24484	Price	-	-
B136	1/4	5/16	1/8	77,250	5	MH67B136P24485	Price	-	-
B132	3/8	1/2	1/8	45,370	5	MH67B132P24479	Price	-	-
W144	1/8	1/4	1/8	105,000	5	MH67W144P24488	Price	-	-
W145	1/8	3/8	1/8	105,000	5	MH67W145P24489	Price	-	-
W146	1/8	1/2	1/8	105,000	5	MH67W146P24491	Price	-	-
W149	5/32	1/4	5/32	105,000	5	MH67W149P24493	Price	-	-
W152	3/16	1/4	1/8	105,000	5	MH67W152P24495	Price	-	-

Premium Vitrified Bond Mounted Points (cont.)

						38A		Ceramic Alumina	
						Gemini		Quantum	
Shape	Dia. (in.)	Thickness (in.)	Spindle Dia.	Max. RPM	Std. Pk.	Order No.	Price	Order No.	Price
W153	3/16	3/8	1/8	80,850	5	**MH67W153P24496**	Price	-	-
W154	3/16	1/2	1/8	70,500	5	**MH67W154P24497**	Price	**MH67W154P49133**	Price
W158	1/4	1/8	1/8	105,000	5	**MH67W158P24499**	Price	-	-
W160	1/4	1/4	1/8	81,370	5	**MH67W160P24501**	Price	-	-
W162	1/4	3/8	1/8	64,800	5	**MH67W162P24503**	Price	-	-
W163	1/4	1/2	1/8	60,000	5	**MH67W163P24504**	Price	-	-
W164	1/4	3/4	1/8	45,900	5	**MH67W164P24505**	Price	**MH67W164P49135**	Price
W170	5/16	1/2	1/8	52,500	5	**MH67W170P24511**	Price	-	-
W175	3/8	3/8	1/8	54,000	5	**MH67W175P24516**	Price	-	-
W176	3/8	1/2	1/8	45,370	5	**MH67W176P24517**	Price	-	-
W177	3/8	3/4	1/8	33,750	5	**MH67W177P24518**	Price	-	-
W178	3/8	1	1/8	26,250	5	**MH67W178P24519**	Price	-	-
W182	1/2	1/8	1/8	73,500	5	**MH67W182P24522**	Price	-	-
W184	1/2	3/8	1/8	41,020	5	**MH67W184P24524**	Price	-	-
W185	1/2	1/2	1/4	61,500	5	**MH67W185P24526**	Price	-	-
W185	1/2	1/2	1/8	34,500	5	**MH67W185P24525**	Price	**MH67W185P49137**	Price
W186	1/2	3/4	1/4	51,000	5	**MH67W186P24528**	Price	-	-
W187	1/2	1	1/8	20,620	5	**MH67W187P24529**	Price	-	-
W188	1/2	1-1/2	1/4	30,370	5	**MH67W188P24530**	Price	-	-
W189	1/2	2	1/4	24,000	5	**MH67W189P24531**	Price	**MH67W189P77683**	Price
W196	5/8	1	1/4	35,250	5	**MH67W196P24539**	Price	-	-
W200	3/4	1/8	1/8	50,930	5	**MH67W200P24544**	Price	-	-
W204	3/4	3/4	1/4	42,750	5	**MH67W204P24549**	Price	-	-
W205	3/4	1	1/4	34,500	5	**MH67W205P24550**	Price	-	-
W207	3/4	1-1/2	1/4	24,000	5	**MH67W207P24552**	Price	-	-
W208	3/4	2	1/4	18,750	5	**MH67W208P24553**	Price	**MH67W208P77684**	Price
W210	7/8	1/16	1/4	43,650	5	**MH67W210P24555**	Price	-	-
W215	1	1/8	1/8	38,200	5	**MH67W215P24560**	Price	**MH67W215P49138**	Price
W216	1	1/4	1/4	38,200	5	**MH67W216P24562**	Price	-	-
W217	1	3/8	1/4	38,200	5	**MH67W217P24563**	Price	-	-
W218	1	1/2	1/4	38,200	5	**MH67W218P24564**	Price	-	-
W220	1	1	1/4	25,500	5	**MH67W220P24566**	Price	**MH67W220P77685**	Price
W221	1	1-1/2	1/4	19,120	5	**MH67W221P24567**	Price	-	-
W222	1	2	1/4	15,900	5	**MH67W222P24569**	Price	-	-
W225	1-1/4	1/4	1-1/4	30,560	5	**MH67W225P24573**	Price	-	-
W230	1-1/4	1-1/4	1/4	20,400	5	**MH67W230P24578**	Price	-	-
W235	1-1/2	1/4	1/4	25,470	5	**MH67W235P24583**	Price	-	-
W236	1-1/2	1/2	1/4	25,470	5	**MH67W236P24585**	Price	**MH67W236P77686**	Price
W237	1-1/2	1	1/4	22,500	5	**MH67W237P24587**	Price	-	-
W238	1-1/2	1-1/2	1/4	15,600	5	**MH67W238P24588**	Price	-	-
W242	2	1	1/4	19,100	5	**MH67W242P24592**	Price	-	-

Resin Bond Mounted Points

Norzon:
- NZ (NorZon) zirconia alumina self-sharpening abrasive and durable organic bond
- 2X faster stock removal than competitive aluminum oxide products
- Last 4X longer

Charger:
- Zirconia alumina / aluminum oxide abrasive blend
- Specially formulated organic bond
- 35% Faster cut rate than standard aluminum oxide
- An aggressive, free cut
- More parts cleaned in less time to substantially increase productivity
- 2X Greater life than ordinary aluminum oxide
- Reduces vibration and wheel chatter



					Zirconia Alumina		Zirconia Alumina/Aluminum Oxide	
					Norzon		Charger	
Shape	Dia. (in.)	Thickness (in.)	Max. RPM	Std. Pk.	Order No.	Price	Order No.	Price
A1	3/4	2-1/2	19,800	5	**MH67A1P16457**	Price	**MH67A1P16458**	Price
A11	1-7/8	2-1/4	19,860	5	**MH67A1116463**	Price	**MH67A11P16464**	Price
A3	1	2-3/4	16,100	5	**MH67A3P16459**	Price	**MH67A3P16460**	Price
A5	3/4	1-1/8	45,000	5	-	-	**MH67A5P16462**	Price
W189	1/2	2-1/4	24,000	5	**MH67W189P16465**	Price	**MH67W189P16466**	Price
W197	5/8	2-1/4	21,000	5	**MH67W197P16467**	Price	-	-
W207	3/4	1-1/2	24,000	5	-	-	**MH67W207P16470**	Price
W208	3/4	2-1/4	18,750	5	**MH67W208P16471**	Price	**MH67W208P16472**	Price
W220	1	1-1/4	25,500	5	**MH67W220P17520**	Price	**MH67W220P17521**	Price
W221	1	1-1/2	19,120	5	**MH67W221P16473**	Price	**MH67W221P16474**	Price
W222	1	2-1/4	15,900	5	**MH67W222P16475**	Price	**MH67W222P16476**	Price

Cartridge Rolls - Aluminum Oxide Resin Bond



- Ideal for finishing operations on inside diameters, dead end holes, and lapping operations
- Self-renewing features of wearing through one layer to uncover the next layer makes them an excellent tool for blending where high finishes are required
- **Sold per 100 Pack Only**

MADE IN THE USA MERIT

Style - Full Taper							
				Generic USA		Merit	
Dia. (in.)	Length (in.)	Hole (in.)	Grit	Order No.	Price	Order No.	Price
3/8	1	1/8	120	**MM6033075**	Price	**MM5981717**	Price
3/8	1	1/8	240	**MM6033078**	Price	**MM5981322**	Price
3/8	1	1/8	60	**MM6033072**	Price	**MM5981714**	Price
3/8	1	1/8	80	**MM6033073**	Price	**MM5981715**	Price
3/8	1-1/2	1/8	120	**MM6033135**	Price	**MM5981727**	Price
3/8	1-1/2	1/8	240	**MM6033138**	Price	**MM5981730**	Price
3/8	1-1/2	1/8	60	**MM6033132**	Price	**MM5981724**	Price
3/8	1-1/2	1/8	80	**MM6033133**	Price	**MM5981708**	Price
1/2	1-1/2	1/8	120	**MM6033147**	Price	**MM5981747**	Price
1/2	1-1/2	1/8	240	**MM6033150**	Price	**MM5981750**	Price
1/2	1-1/2	1/8	60	**MM6033144**	Price	**MM5981744**	Price
1/2	1-1/2	1/8	80	**MM6033145**	Price	**MM5981745**	Price
5/8	1-1/2	3/16	120	**MM6060356**	Price	**MM5981777**	Price
5/8	1-1/2	1/8	240	-	-	**MM5983313**	Price
5/8	1-1/2	1/8	60	**MM6060354**	Price	**MM5981774**	Price
5/8	1-1/2	1/8	80	**MM6060355**	Price	**MM5981775**	Price
1	1-1/2	1/4	120	**MM6033243**	Price	**MM5980795**	Price
1	1-1/2	1/4	240	**MM6033246**	Price	-	-
1	1-1/2	1/4	60	**MM6033240**	Price	**MM5981623**	Price
1	1-1/2	1/4	80	**MM6033241**	Price	**MM5980910**	Price

MADE IN THE USA MERIT

Style - Straight							
				Generic USA		Merit	
Dia. (in.)	Length (in.)	Hole (in.)	Grit	Order No.	Price	Order No.	Price
3/16	1	3/32	120	**MM6029451**	Price	-	-
3/16	1	3/32	240	**MM6029454**	Price	-	-
3/16	1	3/32	60	**MM6029448**	Price	-	-
3/16	1	3/32	80	**MM6029449**	Price	-	-
3/16	1	3/33	60	-	-	**MM5980023**	Price
3/16	1	3/34	80	-	-	**MM5980024**	Price
3/16	1	3/36	120	-	-	**MM5980026**	Price
3/16	1	3/39	240	-	-	**MM5980030**	Price
1/4	1	1/8	120	**MM6029487**	Price	**MM5980064**	Price
1/4	1	1/8	240	**MM6029490**	Price	**MM5980068**	Price
1/4	1	1/8	60	**MM6029484**	Price	**MM5980061**	Price
1/4	1	1/8	80	**MM6029485**	Price	**MM5980062**	Price
1/4	1-1/2	1/8	120	**MM6029499**	Price	**MM5980083**	Price
1/4	1-1/2	1/8	240	**MM6029052**	Price	-	-
1/4	1-1/2	1/8	60	**MM6029496**	Price	**MM5980080**	Price
1/4	1-1/2	1/8	80	**MM6029497**	Price	**MM5980081**	Price
3/8	1	1/8	120	**MM6029607**	Price	**MM5980216**	Price
3/8	1	1/8	240	**MM6029610**	Price	**MM5980220**	Price
3/8	1	1/8	60	**MM6029604**	Price	**MM5980213**	Price
3/8	1	1/8	80	**MM6029605**	Price	**MM5980214**	Price
3/8	1-1/2	1/8	120	**MM6029619**	Price	**MM5980234**	Price
3/8	1-1/2	1/8	240	**MM6029622**	Price	**MM5980238**	Price
3/8	1-1/2	1/8	60	**MM6029616**	Price	**MM5980231**	Price
3/8	1-1/2	1/8	80	**MM6029617**	Price	**MM5908232**	Price
1/2	1	1/8	120	**MM6029667**	Price	**MM5980291**	Price
1/2	1	1/8	240	**MM6029670**	Price	**MM5980295**	Price
1/2	1	1/8	60	**MM6029664**	Price	**MM5980288**	Price
1/2	1	1/8	80	**MM6029665**	Price	**MM5980289**	Price
1/2	1-1/2	1/4	120	**MM6060352**	Price	**MM5981360**	Price
1/2	1-1/2	1/4	240	**MM6060353**	Price	-	-
1/2	1-1/2	1/4	60	**MM6060350**	Price	**MM5981333**	Price
1/2	1-1/2	1/4	80	**MM6060351**	Price	-	-
1/2	1-1/2	1/8	120	**MM6029679**	Price	**MM5980310**	Price
1/2	1-1/2	1/8	240	**MM6029682**	Price	**MM5980314**	Price
1/2	1-1/2	1/8	60	**MM6029676**	Price	**MM5980307**	Price
1/2	1-1/2	1/8	80	**MM6029677**	Price	**MM5980308**	Price
3/4	1-1/2	1/4	120	**MM6029847**	Price	**MM5980488**	Price
3/4	1-1/2	1/4	240	**MM6029850**	Price	**MM5980248**	Price
3/4	1-1/2	1/4	60	**MM6029844**	Price	**MM5980489**	Price
3/4	1-1/2	1/4	80	**MM6029845**	Price	**MM5980358**	Price

CRATEX® Brightboy®

- Brightboy Rubber Resin Bonded Abrasive Mounted Wheels and Points are constructed of the perfect blend of rubber, resin and aluminum oxide abrasive
- Cushioned action provides a soft smooth acting abrasive tool
- The most popular shapes and sizes are listed, available in the two most popular grades, Medium and Fine
- Medium: Removal of scratches, burrs, pits, tools marks, residue
- Fine: Achieve brilliant finishes with low stock removal
- **All products shown come with a 1/8" Dia. X 1-1/2" long shank**







Shape Style - B					
Shape	Grit	Dia. (in.)	Thickness (in.)	Order No.	Price
B121	Fine	1/2	1/2	**MG6475387**	Price
B121	Medium	1/2	1/2	**MG6475379**	Price
B42	Fine	1/2	3/4	**MG6475326**	Price
B42	Medium	1/2	3/4	**MG6475320**	Price
B52	Fine	3/8	3/4	**MG6475331**	Price
B52	Medium	3/8	3/4	**MG6475340**	Price

Shape Style - W					
Shape	Grit	Dia. (in.)	Thickness (in.)	Order No.	Price
W145	Fine	1/8	3/8	**MG6475414**	Price
W145	Medium	1/8	3/8	**MG6475413**	Price
W154	Fine	3/16	1/2	**MG6475426**	Price
W154	Medium	3/16	1/2	**MG6475425**	Price
W160	Fine	1/4	1/4	**MG6475430**	Price
W160	Medium	1/4	1/4	**MG6475429**	Price
W163	Fine	1/4	1/2	**MG6475442**	Price
W163	Medium	1/4	1/2	**MG6475441**	Price
W185	Fine	1/2	1/2	**MG6475503**	Price
W185	Medium	1/2	1/2	**MG6475502**	Price

Cartridge Roll Mandrels



Dia. (in.)	Length (in.)	Shank (in.)	Order No.	Price
3/32	1	1/8	**MM60M300**	Price
1/8	3/4	1/4	**MM60M100**	Price
1/8	1	1/4	**MM60CR9**	Price
1/8	1-1/2	1/4	**MM60CR10**	Price
3/16	1	1/4	**MM60CR16**	Price
3/16	1-1/2	1/4	**MM60CR17**	Price
1/4	1	1/4	**MM60M200**	Price
1/4	1-1/2	1/4	**MM60CR22**	Price

Premium Grain Cartridge Rolls



- **Cartridge rolls are ideal for fast cutting on irregular contours and hard to reach areas on all ferrous materials**
- **Multi-layered design exposes new abrasive grain as it wears**
- **Use for flash removal, polishing, edge breaking and tool mark removal**

Best-Ceramic Aluminum Oxide
- Ceramic grain for longest life
- Grinding aid for coolest cut
- Lowest grinding cost over Zirconia and Aluminum oxide

Better-Zirconia Alumina
- Fast effortless cut rate
- Higher cut rate over Aluminum oxide

Good-Silicon Carbide
- Best gain for use on titanium due to reduced sparks
- The grain of choice at most aero-space facilities

			Ceramic Aluminum Oxide		Silicon Carbide		Zirconia Alumina	
Taper	Size (in.)	Grit	Order No.	Price	Order No.	Price	Order No.	Price
Full Taper	1/2 x 1-1/2 x 1/8	60	**MM30730099**	Price	-	-	-	-
Full Taper	1/2 x 1-1/2 x 1/8	80	**MM30730101**	Price	-	-	**MM30727337**	Price
Full Taper	1/2 x 1-1/2 x 1/8	120	**MM30730102**	Price	-	-	**MM30727345**	Price
Straight	1/4 x 1-1/2 x 1/8	60	**MM30730076**	Price	-	-	**MM30727338**	Price
Straight	3/8 x 1-1/2 x 1/8	60	**MM30730082**	Price	**MM30701080**	Price	**MM30727340**	Price
Straight	1/2 x 1-1/2 x 1/8	60	**MM30730088**	Price	**MM30706551**	Price	-	-
Straight	1/4 x 1-1/2 x 1/8	80	-	-	**MM30703055**	Price	**MM30727339**	Price
Straight	3/8 x 1-1/2 x 1/8	80	**MM30730083**	Price	**MM30702427**	Price	**MM30727341**	Price
Straight	1/2 x 1-1/2 x 1/8	80	**MM30730089**	Price	**MM30707845**	Price	**MM30727343**	Price
Straight	1/4 x 1-1/2 x 1/8	120	**MM30730078**	Price	-	-	**MM30727349**	Price
Straight	3/8 x 1-1/2 x 1/8	120	-	-	-	-	**MM30727347**	Price
Straight	1/2 x 1-1/2 x 1/8	120	**MM30730090**	Price	-	-	**MM30727348**	Price

MERIT Ceramic Grain Cartridge Rolls



- Exclusive Blaze ceramic grain technology, grinding aid and X-weight cotton backing mean Blaze products outperform all competitive ceramic, zirconia and aluminum oxide specialty products in today's market
- Blaze products cut cooler and last longer on stainless steel, cobalt, inconel, titanium, and other hard-to-grind materials
- Kit comes with 2 mandrels, an assortment of all sizes and grits shown below and handy plastic organizer case

Size (in.)	Grit	Style	Order No.	Price
1/4 x 1-1/2 x 1/8	240X	Straight	**MM5980087**	Price
3/8 x 1-1/2 x 1/8	60	Straight	**MM5994392**	Price
3/8 x 1-1/2 x 1/8	80	Straight	**MM5994395**	Price
3/8 x 1-1/2 x 1/8	120	Straight	**MM5994398**	Price
1/2 x 1-1/2 x 1/8	60	Full Taper	**MM5994484**	Price
1/2 x 1-1/2 x 1/8	60	Straight	**MM5994393**	Price
1/2 x 1-1/2 x 1/8	80	Full Taper	**MM5994492**	Price
1/2 x 1-1/2 x 1/8	80	Straight	**MM5994396**	Price
1/2 x 1-1/2 x 1/8	120	Straight	**MM5994399**	Price
80 Piece Cartridge Rolls Test Kit	Assorted	Test Kit	**MM5966726**	Price

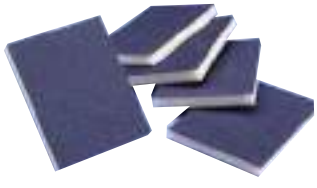
Cartridge Roll Test Kits



- Each kit contains over 120 pieces
- Full range of grits and sizes included
- Comes with two mandrels with 1/4" shank
- Ideal for deburring, finishing, and polishing

Item	Order No.	Price
SUPERIOR	**MM6028802**	Price
MERIT	**MM5981061**	Price

Flexible Silicon Carbide Sanding Sponges



- Ideal for sanding sealer and wash coats in wood furniture and cabinets, and for touch-up or repair of primer. touch-up or repair of primer
- Size: 4-3/4 x 3-3/4 x 1/2"
- 250/box

Grit	Order No.	Price
Coarse	**MM4213710**	Price
Fine	**MM4213712**	Price
Medium	**MM4213711**	Price

Mandrel for Cartridge Rolls

Description (in.)	Order No.	Price
1/8 x 1 Pilot 1/4 Dia Shank 2-3/4 OAL	**MM30710190**	Price

Zirconia Alumina Resin Paper Open Stick On Marine File Strips



- The best choice for blending and shaping all types of marine fillers
- Size: 2-3/4 x 16-1/2"
- E weight latex paper backing
- PSA (Pressure sensitive backing)
- 250/box
- Fast removal rates
- Maximum durability plus flexibility
- Easy application and removal
- For best results use MM4212013 holder

Grit	Order No.	Price
36	**MM4221338**	Price
40	**MM4221337**	Price
80	**MM4221336**	Price

5-1/2" x 9" Wet/Dry Silicon Carbide Finishing Paper



- Minimum Order Quantity 10 Pcs. Per Grit

Grit	Order No.	Price
1000	**MM711000**	Price
1200	**MM711200**	Price

Four Sided Abrasive Sponges



- Good for a wide variety of materials and sanding applications where moderate flexibility is needed
- Medium to firm density open cell polyurethane foam provides uniform support and moderately aggressive cutting action while generating a smooth surface
- Coated 4 sides

Size (in.)	Grit	Std. Pkg.	Order No.	Price
4 x 2-3/4 x 1	120/120 Fine/Fine	24	**MH6149506**	Price
4 x 2-3/4 x 1	80/80 Med/Med	24	**MH6149507**	Price

Spiral Bands

- Cloth spiral bands to be used with sanding drms, for deburring and polishing
- MM52 series sold in packages of 50 except where noted
- Merit sold in packages of 100
- † Indicates packages of 25



			Merit		Surf-Pro	
Dia. (in.)	Length (in.)	Grit	Order No.	Price	Order No.	Price
1/2	1/2	50	**MM5996228**	Price	**MM521950950**	Price
1/2	1/2	80	**MM5996179**	Price	**MM521951050**	Price
1/2	1/2	120	**MM5996069**	Price	**MM521977750**	Price
1/2	3/4	80	**MM5996573**	Price	**MM521982650**	Price
1/2	3/4	120	**MM5996812**	Price	**MM521951350**	Price
1/2	1	80	**MM5996215**	Price	**MM521951550**	Price
1/2	1	120	**MM5996210**	Price	**MM521951650**	Price
1/2	1-1/2	50	**MM5997111**	Price	**MM521023350**	Price
1/2	1-1/2	80	**-**	-	**MM521025350**	Price
1/2	1-1/2	120	**MM5996324**	Price	**MM521027350**	Price
1/2	2	80	**MM5996669**	Price	**MM521951850**	Price
1/2	2	120	**MM5996736**	Price	**MM521951950**	Price
3/4	1/2	80	**MM5996255**	Price	**MM521958050**	Price
3/4	1/2	120	**MM5996579**	Price	**MM521952450**	Price
3/4	3/4	50	**MM5996183**	Price	**MM521952550**	Price
3/4	3/4	80	**MM5996161**	Price	**MM521952680**	Price
3/4	3/4	120	**MM5996226**	Price	**MM521952750**	Price
3/4	1	80	**MM5996071**	Price	**MM521952950**	Price
3/4	1	120	**MM5996219**	Price	**MM521953050**	Price
3/4	1-1/2	50	**MM5996500**	Price	**MM521043350**	Price
3/4	1-1/2	80	**MM5996249**	Price	**MM521046350**	Price
3/4	1-1/2	120	**MM5996057**	Price	**MM521047350**	Price
3/4	2	80	**MM5996756**	Price	**MM521953250**	Price
3/4	2	120	**MM5996746**	Price	**MM521953350**	Price
1	1/2	50	**MM5990210**	Price	**MM521053050**	Price
1	1/2	80	**MM5996647**	Price	**MM521055050**	Price
1	1/2	120	**MM5997592**	Price	**MM521057050**	Price
1	3/4	50	**MM5990211**	Price	**MM521053150**	Price
1	3/4	80	**MM5990213**	Price	**MM521087550**	Price
1	3/4	120	**MM5990214**	Price	**MM521057150**	Price
1	1	50	**MM5996184**	Price	**MM521953550**	Price
1	1	80	**MM5996074**	Price	**MM521953650**	Price
1	1	120	**MM5996177**	Price	**MM521953750**	Price
1	1-1/2	80	**MM5996162**	Price	**MM521953950**	Price

			Merit		Surf-Pro	
Dia. (in.)	Length (in.)	Grit	Order No.	Price	Order No.	Price
1	1-1/2	120	**MM5996677**	Price	**MM521954050**	Price
1	2	80	**MM5996268**	Price	**MM521954250**	Price
1	2	120	**MM5996507**	Price	**MM521954350**	Price
1	3	50	**MM5997688**	Price	**MM521053550**	Price
1	3	80	**MM5996195**	Price	**MM521055650**	Price
1	3	120	**MM5996197**	Price	**MM521057550**	Price
1-1/4	1	50	**MM5990215**	Price	**MM521063050**	Price
1-1/4	1	80	**MM5993829**	Price	**MM521065050**	Price
1-1/4	1	120	**MM5990216**	Price	**MM521067250**	Price
1-1/4	2	50	**MM5995570**	Price	**MM521063450**	Price
1-1/4	2	80	**-**	-	**MM521065350**	Price
1-1/4	2	120	**MM5990217**	Price	**MM521067450**	Price
1-1/2	1	50	**MM5996185**	Price	**MM521954450**	Price
1-1/2	1	80	**MM5996254**	Price	**MM521954550**	Price
1-1/2	1	120	**MM5996707**	Price	**MM521954750**	Price
1-1/2	1-1/2	50	**MM5996176**	Price	**MM521954850**	Price
1-1/2	1-1/2	80	**MM5996165**	Price	**MM521954950**	Price
1-1/2	1-1/2	120	**MM5996066**	Price	**MM521955050**	Price
1-1/2	2	80	**MM5996533**	Price	**MM521955250**	Price
1-1/2	2	120	**MM5996079**	Price	**MM521955350**	Price
2	1	80	**MM5996166**	Price	**MM521955650**	Price
2	1	120	**-**	-	**MM521955750**	Price
2	1-1/2	50	**MM5996527**	Price	**MM521955850**	Price
2	1-1/2	80	**MM5996259**	Price	**MM521955950**	Price
2	1-1/2	120	**MM5996586**	Price	**MM521956050**	Price
2	2	50	**MM5996187**	Price	**MM521956125†**	Price
2	2	80	**MM5996181**	Price	**MM521956225†**	Price
2	2	120	**MM5996585**	Price	**MM521956325†**	Price
3	1	80	**MM5996524**	Price	**MM521956925†**	Price
3	1	120	**MM5996089**	Price	**MM521957025†**	Price
3	2	80	**MM5996265**	Price	**MM521957225†**	Price
3	2	120	**MM5996531**	Price	**MM521958725†**	Price
3	3	80	**MM5996159**	Price	**MM521957425†**	Price
3	3	120	**MM5996572**	Price	**MM521957525†**	Price

Expanding Sanding Drums



- Self-expanding, rubber cushioned sanding drums
- Abrasive band is held in position by expansion of the rubber as the adjusting nut is tightened
- Drums are 1/4″ shank except where noted

Dia. (in.)	Length (in.)	Order No.	Price
1/2	1	**MM54D8162**	Price
1/2	1/2	**MM54D8081†**	Price
1/2	1-1/2	**MM54D8242**	Price
1/2	2	**MM54D8322**	Price
1/2	3/4	**MM54D8121†**	Price
3/4	1	**MM54D12162**	Price
3/4	1/2	**MM54D12081†**	Price
3/4	1-1/2	**MM54D12242**	Price
3/4	2	**MM54D12322**	Price
3/4	3/4	**MM54D12121†**	Price
1	1	**MM54D16162**	Price
1	1/2	**MM54D16082**	Price
1	1-1/2	**MM54D16242**	Price
1	2	**MM54D16322**	Price
1	3	**MM54D16482**	Price
1	3/4	**MM54D16122**	Price
2	1	**MM54D32162**	Price
2	1-1/2	**MM54D32242**	Price
2	2	**MM54D32322**	Price
3	1	**MM54D48163‡**	Price
3	2	**MM54D48323‡**	Price
3	3	**MM54D48483‡**	Price
1-1/2	1	**MM54D24162**	Price
1-1/2	1-1/2	**MM54D24242**	Price
1-1/2	2	**MM54D24322**	Price
1-1/4	1	**MM54D20162**	Price
1-1/4	2	**MM54D20322**	Price

† Indicates drums with 1/8” shank. ‡ Indicates drums with 3/8” shank.

Rubber Sanding Drum Set

- 1/2 x 1/2, 3/4 x 1, 1 x 1, 1-1/2 x 1-1/2, 2 x 1-1/2 Rubber Mandrels
- 20 Bands — 10 Coarse Grit & 10 Fine Grit
- Fitted Plastic Case



Order No.	Price
MM54SDK25	Price

SURF PRO® Aluminum Oxide Abrasive Belts



Benchstand and File Belts

- Aluminum oxide resin cloth abrasive belts for bench and standing grinders
- Butt splice bi-directional for stronger belt life
- Closed coat for metals working
- Full resin bond coating on “X” weight - heavy duty cloth backing

Type - Benchstand Belt			
Belt Size	Grit	Order No.	Price
1 x 42	40	SP10B01042040A	Price
1 x 42	50	SP10B01042050A	Price
1 x 42	60	SP10B01042060A	Price
1 x 42	80	SP10B01042080A	Price
1 x 42	100	SP10B01042100A	Price
1 x 42	120	SP10B01042120A	Price
1 x 42	150	SP10B01042150A	Price
1 x 42	180	SP10B01042180A	Price
1 x 42	220	SP10B01042220A	Price
1 x 42	240	SP10B01042240A	Price
1 x 42	320	SP10B01042320A	Price
1-1/2 x 60	40	SP10B15060040A	Price
1-1/2 x 60	60	SP10B15060060A	Price
1-1/2 x 60	80	SP10B15060080A	Price
1-1/2 x 60	100	SP10B15060100A	Price
1-1/2 x 60	120	SP10B15060120A	Price
1-1/2 x 60	150	SP10B15060150A	Price
1-1/2 x 60	180	SP10B15060180A	Price
1-1/2 x 60	220	SP10B15060220A	Price
1-1/2 x 60	240	SP10B15060240A	Price
1-1/2 x 60	320	SP10B15060320A	Price
2 x 42	40	SP10B02042040A	Price
2 x 42	60	SP10B02042060A	Price
2 x 42	80	SP10B02042080A	Price
2 x 42	120	SP10B02042120A	Price
2 x 48	36	SP10B02048036A	Price
2 x 48	40	SP10B02048040A	Price
2 x 48	50	SP10B02048050A	Price
2 x 48	60	SP10B02048060A	Price
2 x 48	80	SP10B02048080A	Price
2 x 48	100	SP10B02048100A	Price
2 x 48	120	SP10B02048120A	Price
2 x 48	150	SP10B02048150A	Price
2 x 48	180	SP10B02048180A	Price
2 x 48	220	SP10B02048220A	Price
2 x 48	240	SP10B02048240A	Price
2 x 48	320	SP10B02048320A	Price
2 x 60	40	SP10B02060040A	Price
2 x 60	50	SP10B02060050A	Price
2 x 60	60	SP10B02060060A	Price
2 x 60	80	SP10B02060080A	Price
2 x 60	100	SP10B02060100A	Price
2 x 60	120	SP10B02060120A	Price
2 x 60	150	SP10B02060150A	Price
2 x 60	180	SP10B02060180A	Price
2 x 60	220	SP10B02060220A	Price
2 x 60	240	SP10B02060240A	Price
2 x 60	320	SP10B02060320A	Price

Type - Benchstand Belt			
Belt Size	Grit	Order No.	Price
2-1/2 x 60	36	SP10B25060036A	Price
2-1/2 x 60	40	SP10B25060040A	Price
2-1/2 x 60	50	SP10B25060050A	Price
2-1/2 x 60	60	SP10B25060060A	Price
2-1/2 x 60	80	SP10B25060080A	Price
2-1/2 x 60	100	SP10B25060100A	Price
2-1/2 x 60	120	SP10B25060120A	Price
2-1/2 x 60	180	SP10B25060180A	Price
4 x 36	36	SP10B04036036A	Price
4 x 36	40	SP10B04036040A	Price
4 x 36	50	SP10B04036050A	Price
4 x 36	60	SP10B04036060A	Price
4 x 36	100	SP10B04036100A	Price
4 x 36	80	SP10B04036080A	Price
4 x 36	120	SP10B04036120A	Price
4 x 36	150	SP10B04036150A	Price
4 x 36	180	SP10B04036180A	Price
4 x 36	220	SP10B04036220A	Price
4 x 36	240	SP10B04036240A	Price
4 x 36	320	SP10B04036320A	Price
4 x 54	40	SP10B04054040A	Price
4 x 54	50	SP10B04054050A	Price
4 x 54	60	SP10B04054060A	Price
4 x 54	80	SP10B04054080A	Price
4 x 54	100	SP10B04054100A	Price
4 x 54	120	SP10B04054120A	Price
4 x 60	40	SP10B04060040A	Price
4 x 60	50	SP10B04060050A	Price
4 x 60	60	SP10B04060060A	Price
4 x 60	80	SP10B04060080A	Price
4 x 60	100	SP10B04060100A	Price
4 x 60	120	SP10B04060120A	Price
4 x 60	150	SP10B04060150A	Price
4 x 60	180	SP10B04060180A	Price
4 x 60	220	SP10B04060220A	Price
6 x 48	36	SP10B06048036A	Price
6 x 48	40	SP10B06048040A	Price
6 x 48	50	SP10B06048050A	Price
6 x 48	60	SP10B06048060A	Price
6 x 48	80	SP10B06048080A	Price
6 x 48	100	SP10B06048100A	Price
6 x 48	120	SP10B06048120A	Price
6 x 48	150	SP10B06048150A	Price
6 x 48	180	SP10B06048180A	Price
6 x 48	220	SP10B06048220A	Price
6 x 48	240	SP10B06048240A	Price
6 x 48	320	SP10B06048320A	Price

Type - File Belt			
Belt Size	Grit	Order No.	Price
1/4 x 18	60	SP10B14018060A	Price
1/4 x 18	80	SP10B14018080A	Price
1/4 x 18	120	SP10B14018120A	Price
1/4 x 18	220	SP10B14018220A	Price
1/4 x 24	60	SP10B14024060A	Price
1/4 x 24	80	SP10B14024080A	Price
1/4 x 24	120	SP10B14024120A	Price
1/4 x 24	220	SP10B14024220A	Price
3/8 x 13	40	SP10B38013040A	Price
3/8 x 13	60	SP10B38013060A	Price
3/8 x 13	80	SP10B38013080A	Price
3/8 x 13	120	SP10B38013120A	Price
3/8 x 13	180	SP10B38013180A	Price
3/8 x 13	220	SP10B38013220A	Price
1/2 x 12	40	SP10B12012040A	Price
1/2 x 12	60	SP10B12012060A	Price
1/2 x 12	80	SP10B12012080A	Price
1/2 x 12	120	SP10B12012120A	Price
1/2 x 12	180	SP10B12012180A	Price
1/2 x 18	40	SP10B12018040A	Price
1/2 x 18	60	SP10B12018060A	Price
1/2 x 18	80	SP10B12018080A	Price
1/2 x 18	120	SP10B12018120A	Price
1/2 x 18	180	SP10B12018180A	Price
1/2 x 18	220	SP10B12018220A	Price
1/2 x 24	40	SP10B12024040A	Price
1/2 x 24	60	SP10B12024060A	Price
1/2 x 24	80	SP10B12024080A	Price
1/2 x 24	120	SP10B12024120A	Price
1/2 x 24	180	SP10B12024180A	Price
1/2 x 24	220	SP10B12024220A	Price
3/4 x 18	220	SP10B34018220A	Price
3/4 x 18	40	SP10B34018040A	Price
3/4 x 18	60	SP10B34018060A	Price
3/4 x 18	80	SP10B34018080A	Price
3/4 x 18	120	SP10B34018120A	Price
3/4 x 18	180	SP10B34018180A	Price
3/4 x 20-1/2	40	SP10B35205040A	Price
3/4 x 20-1/2	60	SP10B35205060A	Price
3/4 x 20-1/2	80	SP10B35205080A	Price
3/4 x 20-1/2	120	SP10B35205120A	Price
3/4 x 20-1/2	220	SP10B35205220A	Price
1 x 30	60	SP10B01030060A	Price
1 x 30	80	SP10B01030080A	Price
1 x 30	120	SP10B01030120A	Price
1 x 30	180	SP10B01030180A	Price
1 x 30	220	SP10B01030220A	Price

SURF PRO® Aluminum Oxide Abrasive Belts

Backstand and Portable



- Aluminum oxide resin cloth abrasive
- Belts for bench and standing grinders
- Butt splice bi-directional for stronger belt life
- Closed coat for metal working
- Full resin bond coating on “X” weight - heavy duty cloth backing





Type - Backstand Belt			
Belt Size	**Grit**	**Order No.**	**Price**
2 x 132	40	**SP10B02132040A**	Price
2 x 132	60	**SP10B02132060A**	Price
2 x 132	80	**SP10B02132080A**	Price
2 x 132	100	**SP10B02132100A**	Price
2 x 132	120	**SP10B02132120A**	Price
2 x 132	150	**SP10B02132150A**	Price
2 x 132	180	**SP10B02132180A**	Price
2 x 132	240	**SP10B02132240A**	Price
2 x 132	320	**SP10B02132320A**	Price
3 x 132	36	**SP10B03132036A**	Price
3 x 132	80	**SP10B03132080A**	Price
3 x 132	100	**SP10B03132100A**	Price
3 x 132	120	**SP10B03132120A**	Price
3 x 132	220	**SP10B03132220A**	Price
3 x 132	240	**SP10B03132240A**	Price
4 x 132	36	**SP10B04132036A**	Price
4 x 132	60	**SP10B04132060A**	Price
4 x 132	80	**SP10B04132080A**	Price
4 x 132	100	**SP10B04132100A**	Price
4 x 132	120	**SP10B04132120A**	Price
8 x 107	40	**SP10B08107040A**	Price
8 x 107	60	**SP10B08107060A**	Price
8 x 107	80	**SP10B08107080A**	Price

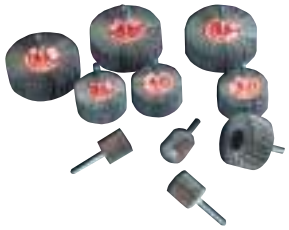
Type - Portable Belt			
Belt Size	**Grit**	**Order No.**	**Price**
3 x 21	40	**SP10B03021040A**	Price
3 x 21	50	**SP10B03021050A**	Price
3 x 21	60	**SP10B03021060A**	Price
3 x 21	80	**SP10B03021080A**	Price
3 x 21	100	**SP10B03021100A**	Price
3 x 21	120	**SP10B03021120A**	Price
3 x 24	40	**SP10B03024040A**	Price
3 x 24	50	**SP10B03024050A**	Price
3 x 24	60	**SP10B03024060A**	Price
3 x 24	120	**SP10B03024120A**	Price

SUPERIOR Midget Mounted Flap Wheel Test Kit

- Contains 10 of the most popular wheels
- Mounted on 1/4” hardened steel shank
- Provides consistent finishing on a wide range of metals

Contents of kit:

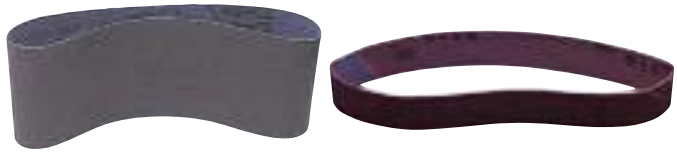
- 1ea of 3 x 1” in 60, 80 and 120 Grit
- 1ea of 2 x 1” in 60, 80, 120 and 180 Grit
- 1ea of 1 x 1” in 60, 80 and 120 Grit



Order No.	Price
MH5028799	Price

Closeout - Abrasive Belts

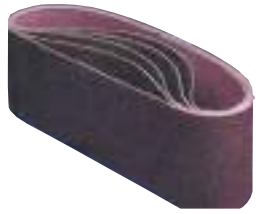
- Tough and durable
- Heavy duty cloth backing
- Closed coated for most metals and hardwood



Size (in.)	Grit	Material	Order No.	Price
1/8 x 24	40	Aluminum Oxide	**MM9002140**	Price
2 x 132	220	Aluminum Oxide	**MM902132220**	Price
2-1/2 x 60	150	Aluminum Oxide	**MM902560150**	Price
4 x 60	240	Aluminum Oxide	**MM90460240**	Price
4 x 132	40	Aluminum Oxide	**MM90413240**	Price
4 x 132	50	Aluminum Oxide	**MM90413250**	Price

CARBORUNDUM Aluminum Oxide Resin Cloth Back Belts – XC0877

- Versatile abrasive for general purpose application
- X Weight durable cloth back
- Butt splice for bi-directional bump free use



Size (in.)	Grit	Order No.	Price
2 x 48	36	**MM4212867**	Price
2 x 48	50	**MM4200976**	Price
2 x 48	60	**MM4201964**	Price
2-1/2 x 60	60	**MM4299802**	Price

PREMIER Zirconia Alumina Polyester Back Belts – XC11860

- Zirconia alumina abrasive provides a fast, free, cool cut for high stock removal applications
- X Weight polyester backing increases strength
- More aggressive, longer lasting belt



Belt Size (in.)	Grit	Order No.	Price
2 x 48	40	**MM4228759**	Price
2-1/2 x 60	40	**MM4299749**	Price
3 x 132	50	**MM4299681**	Price
4 x 132	50	**MM4299666**	Price
4 x 132	60	**MM4299667**	Price

SURF PRO® Zirconia Abrasive Belts

- Alumina zirconia grain provides added life over aluminum oxide cloth belts
- Premium material for superior performance in severe grinding applications on stainless steel, alloys and aluminum
- Full resin bond coating on Y weight - extra heavy duty cloth backing

Type - Backstand and Benchtop Belts			
Size (in.)	Grit	Order No.	Price
1 x 42	40	**SP10B01042040Z**	Price
1 x 42	60	**SP10B01042060Z**	Price
1 x 42	80	**SP10B01042080Z**	Price
1 x 42	120	**SP10B01042120Z**	Price
2 x 48	36	**SP10B02048036Z**	Price
2 x 48	60	**SP10B02048060Z**	Price
2 x 48	80	**SP10B02048080Z**	Price
2 x 48	100	**SP10B02048100Z**	Price
2 x 48	120	**SP10B02048120Z**	Price
2 x 60	40	**SP10B02060040Z**	Price
2 x 60	60	**SP10B02060060Z**	Price
2 x 60	80	**SP10B02060080Z**	Price
2 x 60	120	**SP10B02060120Z**	Price
2 x 72	40	**SP10B02072040Z**	Price
2 x 72	60	**SP10B02072060Z**	Price
2 x 72	80	**SP10B02072080Z**	Price
2-1/2 x 60	36	**SP10B25060036Z**	Price
2-1/2 x 60	60	**SP10B25060060Z**	Price
2-1/2 x 60	80	**SP10B25060080Z**	Price
4 x 36	40	**SP10B04036040Z**	Price
4 x 36	50	**SP10B04036050Z**	Price
4 x 36	60	**SP10B04036060Z**	Price
4 x 36	80	**SP10B04036080Z**	Price
4 x 36	120	**SP10B04036120Z**	Price
4 x 54	40	**SP10B04054040Z**	Price
4 x 54	50	**SP10B04054050Z**	Price
4 x 54	60	**SP10B04054060Z**	Price
4 x 54	80	**SP10B04054080Z**	Price
4 x 54	120	**SP10B04054120Z**	Price
6 x 48	36	**SP10B06048036Z**	Price
6 x 48	40	**SP10B06048040Z**	Price
6 x 48	50	**SP10B06048050Z**	Price
6 x 48	60	**SP10B06048060Z**	Price
6 x 48	80	**SP10B06048080Z**	Price
6 x 48	120	**SP10B06048120Z**	Price

Type - Portable Files			
Size (in.)	Grit	Order No.	Price
1/4 x 18	60	**SP10B14018060Z**	Price
1/4 x 18	80	**SP10B14018080Z**	Price
1/4 x 18	120	**SP10B14018120Z**	Price
1/2 x 18	40	**SP10B12018040Z**	Price
1/2 x 18	60	**SP10B12018060Z**	Price
1/2 x 18	80	**SP10B12018080Z**	Price
1/2 x 18	120	**SP10B12018120Z**	Price
1/4 x 24	40	**SP10B12024040Z**	Price



Type - Portable Files			
Size (in.)	Grit	Order No.	Price
1/2 x 24	60	**SP10B12024060Z**	Price
1/2 x 24	80	**SP10B12024080Z**	Price
1/2 x 24	120	**SP10B12024120Z**	Price
3/4 x 18	40	**SP10B34018040Z**	Price
3/4 x 18	60	**SP10B34018060Z**	Price
3/4 x 18	80	**SP10B34018080Z**	Price
3/4 x 18	120	**SP10B34018120Z**	Price
3/4 x 20-1/2	40	**SP10B35205040Z**	Price
3/4 x 20-1/2	60	**SP10B35205060Z**	Price
3/4 x 20-1/2	80	**SP10B35205080Z**	Price
3/4 x 20-1/2	120	**SP10B35205120Z**	Price
1 x 30	40	**SP10B01030040Z**	Price
1 x 30	60	**SP10B01030060Z**	Price
1 x 30	80	**SP10B01030080Z**	Price
1 x 30	120	**SP10B01030120Z**	Price

Type - Portable Sanders			
Size (in.)	Grit	Order No.	Price
3 x 21	40	**SP10B03021040Z**	Price
3 x 21	60	**SP10B03021060Z**	Price
3 x 21	80	**SP10B03021080Z**	Price
3 x 21	120	**SP10B03021120Z**	Price
3 x 24	60	**SP10B03024060Z**	Price
3 x 24	80	**SP10B03024080Z**	Price
3 x 24	120	**SP10B03024120Z**	Price
4 x 24	50	**SP10B04024050Z**	Price
4 x 24	60	**SP10B04024060Z**	Price
4 x 24	80	**SP10B04024080Z**	Price
4 x 24	100	**SP10B04024100Z**	Price
4 x 24	120	**SP10B04024120Z**	Price

Special made belts available in a variety of materials, grits and sizes. Call with details for a quote.

CARBORUNDUM Premier Red Zirconia Alumina Resin Cloth Narrow Belts

- Premier Red Zirconia Alumina Resin Cloth Narrow Belts



	P100		P120		P36		P40		P50		P60		P80	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
2 x 48	-	-	-	-	-	-	**MM4254740**	Price	**MM4254741**	Price	**MM4254742**	Price	**MM4254743**	Price
6 x 48	**MM4254855**	Price	**MM4254856**	Price	**MM4254850**	Price	**MM4254851**	Price	**MM4254852**	Price	**MM4254853**	Price	**MM4254854**	Price

Aluminum Oxide Resin Waterproof Cloth Belts

- Ideal for operations requiring a belt specification that does not generate heat, but is capable of sanding a variety of materials
- Closed coat for fast metal removal
- Full resin bond system
- X and Y-weight polyester backing
- Butt tape joint



Belt Size (in.) - 1 x 42		
Grit Size	Order No.	Price
P60	MM4210112	Price
P40	MM4254716	Price
P50	MM4254717	Price
P80	MM4254719	Price
P100	MM4254720	Price
P120	MM4254721	Price

Belt Size (in.) - 1-1/2 x 60		
Grit Size	Order No.	Price
P40	MM4254722	Price
P50	MM4254723	Price
P60	MM4254724	Price
P80	MM4254725	Price
P100	MM4254726	Price
P120	MM4254727	Price

Belt Size (in.) - 2 x 48		
Grit Size	Order No.	Price
P36	MM4254728	Price
P40	MM4254729	Price
P50	MM4254730	Price
P60	MM4254731	Price
P80	MM4254732	Price
P120	MM4254734	Price
P100	MM4254733	Price
P150	MM4254735	Price
P180	MM4254736	Price
P220	MM4254737	Price
P320	MM4254738	Price

Belt Size (in.) - 2 x 60		
Grit Size	Order No.	Price
P36	MM4254744	Price
P40	MM4254745	Price
P50	MM4254746	Price

Belt Size (in.) - 2 x 60		
Grit Size	Order No.	Price
P60	MM4254747	Price
P80	MM4254748	Price
P120	MM4254749	Price
P150	MM4254750	Price
P180	MM4254751	Price
P220	MM4254752	Price
P320	MM4254753	Price
P400	MM4254754	Price

Belt Size (in.) - 2 x 72		
Grit Size	Order No.	Price
P36	MM4254755	Price
P40	MM4254756	Price
P50	MM4254757	Price
P60	MM4254758	Price
P80	MM4254759	Price
P120	MM4254760	Price

Belt Size (in.) - 2 x 132		
Grit Size	Order No.	Price
P36	MM4254761	Price
P40	MM4254762	Price
P50	MM4254763	Price
P60	MM4254764	Price
P80	MM4254765	Price
P120	MM4254766	Price

Belt Size (in.) - 2-1/2 x 48		
Grit Size	Order No.	Price
P36	MM4254772	Price
P40	MM4254773	Price
P50	MM4254774	Price
P60	MM4254775	Price
P80	MM4254776	Price
P120	MM4254777	Price

Belt Size (in.) - 2-1/2 x 60		
Grit Size	Order No.	Price
P36	MM4254778	Price
P40	MM4254779	Price
P50	MM4254780	Price
P60	MM4254781	Price
P80	MM4254782	Price
P120	MM4254783	Price

Belt Size (in.) - 3 x 132		
Grit Size	Order No.	Price
P36	MM4254784	Price
P40	MM4254785	Price
P50	MM4254786	Price
P60	MM4254787	Price
P80	MM4254788	Price
P120	MM4254789	Price

Belt Size (in.) - 4 x 132		
Grit Size	Order No.	Price
P36	MM4254838	Price
P40	MM4254839	Price
P60	MM4254840	Price
P80	MM4254841	Price
P100	MM4254842	Price

Belt Size (in.) - 4 x 36		
Grit Size	Order No.	Price
P36	MM4254832	Price
P40	MM4254833	Price
P50	MM4254834	Price
P60	MM4254835	Price
P80	MM4254836	Price
P120	MM4254837	Price

Belt Size (in.) - 6 x 48		
Grit Size	Order No.	Price
P36	MM4254843	Price
P40	MM4254844	Price
P50	MM4254845	Price
P60	MM4254846	Price
P80	MM4254847	Price
P100	MM4254848	Price
P120	MM4254849	Price

Medalist Ceramic Alumina Resin Waterproof Cloth File Belts with Grinding Aid

- For hard-to-grind alloys and heat-sensitive applications
- Durable Y-weight polyester waterproof cloth backing
- Maximum grain adhesion, reduced edge-fray and strong body retention result in longer life and product consistency
- Cooler cut, burn-free grinding of heat-sensitive materials



	P36		P40		P50		P60		P80	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/8 x 12	MM4254610	Price	MM4254611	Price	-	-	MM4254612	Price	MM4254613	Price
1/8 x 18	MM4254618	Price	MM4254619	Price	-	-	MM4254620	Price	MM4254621	Price
1/4 x 12	MM4254626	Price	MM4254627	Price	-	-	MM4254628	Price	MM4254629	Price
1/4 x 18	MM4254634	Price	MM4254635	Price	-	-	MM4254636	Price	MM4254637	Price
1/4 x 24	MM4254642	Price	MM4254643	Price	-	-	MM4254644	Price	MM4254645	Price
1/2 x 12	MM4254655	Price	MM4254656	Price	-	-	MM4254658	Price	-	-
1/2 x 18	MM4254665	Price	MM4254666	Price	MM4254667	Price	MM4254668	Price	MM4254669	Price
1/2 x 24	MM4254676	Price	MM4254677	Price	MM4254678	Price	MM4254679	Price	MM4254680	Price
3/4 x 18	MM4254686	Price	MM4254687	Price	MM4254688	Price	MM4254689	Price	MM4254690	Price
3/4 x 20-1/2	MM4254696	Price	MM4254697	Price	MM4254698	Price	MM4254699	Price	MM4254700	Price

(PG S-Flex) Belts - R980 Y Weight Back

- Resists wear - cooler, faster cut rate
- Longer belt life lowers cost per unit
- Better grain adhesion - edge fray resistance
- More consistent grind throughout extended belt life

Size (in.)	Grit	Vendor Pack	Order No.	Price
1/2 x 12	40	200	MH61B0098018	Price
1/2 x 12	60	200	MH61B0098019	Price
1/2 x 12	80	200	MH61B0098020	Price
1/2 x 18	40	200	MH61B0098021	Price
1/2 x 18	60	200	MH61B0098022	Price
1/2 x 18	80	200	MH61B0098023	Price
1/2 x 24	40	200	MH61B0098024	Price
1/2 x 24	60	200	MH61B0098025	Price

- Lasts 50% to 200% longer on mild and carbon steel, stainless, cobalt, chrome, inconel, and titanium.
- Cuts cooler and 20% faster than current generation belts
- Lowers total grinding cost



Size (in.)	Grit	Vendor Pack	Order No.	Price
1/2 x 24	80	200	MH61B0098026	Price
3/4 x 18	40	200	MH61B0098027	Price
3/4 x 18	60	200	MH61B0098028	Price
3/4 x 18	80	200	MH61B0098029	Price
3/4 x 20-1/2	40	200	MH61B0098030	Price
3/4 x 20-1/2	60	200	MH61B0098031	Price
3/4 x 20-1/2	80	200	MH61B0098032	Price

Abrasive Belts



Abrasive Belts for Portable Files & Sanders

- Premier belts for production metal finishing
- Aluminum Oxide - Versatile abrasive for general purpose application, X weight cloth back
- Zirconia Alumina - Recommended for removal and finish on ferrous and non-ferrous metals, X weight polyester back
- Ceramic Alumina - Recommended for finishing exotic alloys, Y Weight polyester back

Used On - Backstand and Benchtop Belts

		Aluminum Oxide		Zirconia Alumina	
Size (in.)	Grit	Order No.	Price	Order No.	Price
1 x 42	40	MH61B0120910	Price	MH61B0126905	Price
1 x 42	50	MH61B0120905	Price	MH61B0126904	Price
1 x 42	60	MH61B0120900	Price	MH61B0128596	Price
1 x 42	80	MH61B0120895	Price	MH61B0128594	Price
1 x 42	100	MH61B0120890	Price	MH61B0128592	Price
1 x 42	120	MH61B0120885	Price	MH61B0128590	Price
1 x 42	150	MH61B0120880	Price	-	-
1 x 42	180	-	-	MH61B0128586	Price
1 x 42	240	MH61B0120870	Price	-	-
1 x 42	320	MH61B0120865	Price	-	-
2 x 48	36	MH61B0221255	Price	MH61B0227103	Price
2 x 48	40	MH61B0221250	Price	MH61B0227102	Price
2 x 48	50	-	-	MH61B0227101	Price
2 x 48	60	MH61B0221240	Price	MH61B0228621	Price
2 x 48	80	MH61B0221235	Price	MH61B0227099	Price
2 x 48	100	MH61B0221230	Price	MH61B0228617	Price
2 x 48	120	MH61B0221225	Price	MH61B0228615	Price
2 x 48	150	-	-	MH61B0228613	Price
2 x 48	180	-	-	MH61B0228611	Price
2 x 60	40	MH61B0221300	Price	MH61B0227124	Price
2 x 60	60	MH61B0221290	Price	MH61B0227122	Price
2 x 60	80	MH61B0221285	Price	MH61B0227121	Price
2 x 60	100	MH61B0221280	Price	-	-
2 x 60	120	MH61B0221275	Price	-	-
2 x 60	320	MH61B0202825	Price	-	-
2-1/2 x 60	36	MH61B0221610	Price	-	-
2-1/2 x 60	50	MH61B0221600	Price	-	-
2-1/2 x 60	60	MH61B0221595	Price	-	-
2-1/2 x 60	80	MH61B0221590	Price	-	-
2-1/2 x 60	100	MH61B0221585	Price	-	-
2-1/2 x 60	120	MH61B0221580	Price	-	-
3 x 132	36	MH61B0321900	Price	-	-
3 x 132	50	MH61B0321890	Price	-	-
3 x 132	60	MH61B0321885	Price	-	-
3 x 132	80	MH61B0321880	Price	-	-
3 x 132	100	MH61B0321875	Price	-	-
3 x 132	120	MH61B0321870	Price	-	-
3 x 24	100	MH61B0321745	Price	-	-
3 x 132	150	MH61B0321865	Price	-	-
3 x 132	180	MH61B0321860	Price	-	-
4 x 36	40	MH61B0422105	Price	MH61B0422400	Price
4 x 36	50	MH61B0422100	Price	-	-
4 x 36	60	MH61B0422095	Price	-	-
4 x 36	80	MH61B0422090	Price	-	-
4 x 36	100	MH61B0427958	Price	-	-
4 x 36	120	MH61B0422080	Price	-	-
4 x 36	150	MH61B0422079	Price	-	-
4 x 36	180	MH61B0422075	Price	-	-
4 x 36	320	MH61B0422071	Price	-	-
4 x 54	36	MH61B0422185	Price	-	-
4 x 54	50	MH61B0422175	Price	-	-
4 x 24	60	MH61B0427518	Price	-	-
4 x 54	60	MH61B0422170	Price	-	-
4 x 54	80	MH61B0422165	Price	-	-
4 x 54	100	MH61B0422160	Price	-	-
4 x 132	80	MH61B0422385	Price	-	-

Used On - Backstand and Benchtop Belts

		Aluminum Oxide		Zirconia Alumina	
Size (in.)	Grit	Order No.	Price	Order No.	Price
6 x 48	36	MH61B0622590	Price	MH61B0627698	Price
6 x 48	40	MH61B0622585	Price	MH61B0627697	Price
6 x 48	50	MH61B0622580	Price	-	-
6 x 48	60	MH61B0622575	Price	MH61B0628937	Price
6 x 48	80	MH61B0622570	Price	-	-
6 x 48	100	MH61B0627982	Price	-	-
6 x 48	120	MH61B0622560	Price	MH61B0628931	Price
6 x 48	150	MH61B0622555	Price	-	-
6 x 48	180	MH61B0622550	Price	-	-
6 x 48	220	MH61B0622546	Price	-	-
6 x 48	320	MH61B0622543	Price	-	-
1-1/2 x 60	36	-	-	MH61B0126993	Price

Used On - Portable Files

		Aluminum Oxide		Zirconia Alumina		Ceramic Alumina	
Size (in.)	Grit	Order No.	Price	Order No.	Price	Order No.	Price
1/2 x 12	40	MH61B0027557	Price	-	-	-	-
1/2 x 12	60	MH61B0027555	Price	MH61B0028745	Price	-	-
1/2 x 12	80	MH61B0027554	Price	MH61B0028744	Price	-	-
1/2 x 12	100	MH61B0027553	Price	-	-	-	-
1/2 x 12	120	MH61B0027552	Price	MH61B0028742	Price	-	-
1/2 x 18	60	MH61B0027560	Price	-	-	MH61B0028569	Price
1/2 x 18	80	MH61B0027559	Price	-	-	MH61B0028568	Price
1/2 x 18	120	MH61B0027558	Price	-	-	MH61B0028567	Price
1/2 x 24	40	MH61B0027568	Price	-	-	-	-
1/2 x 24	50	MH61B0027567	Price	-	-	-	-
1/2 x 24	60	MH61B0027566	Price	MH61B0028564	Price	-	-
1/2 x 24	80	MH61B0027565	Price	MH61B0028566	Price	-	-
1/2 x 24	120	MH61B0027564	Price	MH61B0028565	Price	-	-
3/4 x 20-1/2	40	MH61B0027573	Price	-	-	-	-
3/4 x 20-1/2	60	MH61B0027571	Price	MH61B0028560	Price	-	-
3/4 x 20-1/2	80	MH61B0027570	Price	-	-	-	-
3/4 x 20-1/2	100	MH61B0027569	Price	-	-	-	-
3/4 x 20-1/2	120	MH61B0027575	Price	MH61B0028557	Price	-	-
1 x 30	60	-	-	MH61B0128583	Price	-	-
1 x 30	80	MH61B0127579	Price	MH61B0128582	Price	-	-
1 x 30	120	MH61B0127577	Price	-	-	-	-
3-1/2 x 15-1/2	36	MH61B0321997	Price	-	-	-	-
3-1/2 x 15-1/2	60	MH61B0322000	Price	-	-	-	-
3-1/2 x 15-1/2	80	MH61B0321995	Price	-	-	-	-
4 x 24	50	MH61B0427946	Price	-	-	-	-
4 x 24	100	MH61B0427943	Price	-	-	-	-

Used On - Portable Sanders

		Aluminum Oxide	
Size (in.)	Grit	Order No.	Price
3 x 21	50	MH61B0327926	Price
3 x 21	80	MH61B0327924	Price
3 x 21	100	MH61B0327923	Price
3 x 24	36	MH61B0321770	Price
3 x 24	40	MH61B0327937	Price
3 x 24	60	MH61B0321755	Price
3 x 24	180	MH61B0321736	Price
3 x 31	120	MH61B0327922	Price
4 x 24	80	MH61B0422050	Price
4 x 24	120	MH61B0422044	Price
1/2 x 18	40	MH61B0027561	Price
6 x 48	80	MH61B0627983	Price

3M Portable Tools Belts



341D/241E

- Aluminum Oxide – XE weight cloth
- 341D: Excellent all-around abrasive belt for blending and finishing
- 241E: High strength backing for tougher applications



Belt Size (in.)	Grade	Grit	Std. Pkg.	Order No.	Price Ea.
1/2 x 12	80	80	200	**TM1026894**	Price
1/2 x 12	120	120	200	**TM1026892**	Price
1/2 x 18	60	60	200	**TM1072227**	Price
1/2 x 18	80	80	200	**TM1072228**	Price
1/2 x 18	120	120	200	**TM1072229**	Price
1/2 x 24	80	80	200	**TM1026720**	Price
3/4 x 18	60	60	200	**TM1014756**	Price
3/4 x 18	120	120	200	**TM1014667**	Price
3/4 x 20-1/2	120	120	200	**TM1026778**	Price
3-1/2 x 15-1/2	80	80	50	**TM1026856**	Price
3-1/2 x 15-1/2	60	60	50	**TM1026857**	Price
3-1/2 x 15-1/2	P120	P120	50	**TM1002663**	Price

3M Backstand and Benchtop Belts

241D

- Aluminum Oxide – X weight cloth
- Excellent all-around abrasive belt for blending and finishing





Belt Size (in.)	Grit	Std. Pkg.	Order No.	Price Ea.
1 x 42	36	200	**TM1026614**	Price
1 x 42	50	200	**TM1031823**	Price
1 x 42	60	200	**TM1001450**	Price
1 x 42	80	200	**TM1001451**	Price
1 x 42	P100	200	**TM1001452**	Price
1 x 42	P120	200	**TM1001453**	Price
1 x 42	P150	200	**TM1026602**	Price
1 x 42	P180	200	**TM1026601**	Price
1 x 42	P240	200	**TM1026599**	Price
1 x 42	P320	200	**TM1026597**	Price
1-1/2 x 60	36	50	**TM1026443**	Price
1-1/2 x 60	40	50	**TM1026441**	Price
1-1/2 x 60	60	50	**TM1026438**	Price
1-1/2 x 60	80	50	**TM1026436**	Price
2 x 48	36	50	**TM1026571**	Price
2 x 48	50	50	**TM1026568**	Price
2 x 48	60	25	**TM1026564**	Price
2 x 48	80	25	**TM1026562**	Price
2 x 48	P100	50	**TM1026561**	Price
2 x 48	P120	25	**TM1026560**	Price
2 x 60	50	50	**TM1026424**	Price
2 x 60	60	25	**TM1033640**	Price
2 x 60	80	25	**TM1033639**	Price
2 x 60	P120	25	**TM1033667**	Price
2 x 72	36	50	**TM1026320**	Price
2 x 72	60	25	**TM1026316**	Price
2 x 72	80	25	**TM1033067**	Price
2 x 72	P180	50	**TM1026309**	Price
2 x 72	P240	50	**TM1081752**	Price
2-1/2 x 60	36	50	**TM1026408**	Price
2-1/2 x 60	60	25	**TM1026400**	Price
2-1/2 x 60	80	25	**TM1026396**	Price
2-1/2 x 60	P120	25	**TM1026388**	Price
6 x 48	36	20	**TM1001454**	Price
6 x 48	40	20	**TM1001455**	Price
6 x 48	50	20	**TM1001456**	Price
6 x 48	60	20	**TM1001457**	Price
6 x 48	80	20	**TM1010454**	Price
6 x 48	P100	20	**TM1010455**	Price
6 x 48	P120	20	**TM1010456**	Price
6 x 48	P150	20	**TM1026517**	Price
6 x 48	P180	20	**TM1026515**	Price
6 x 48	P240	20	**TM1026513**	Price

3M Portable Tools Belts



777F

- 3M™ Cubitron™ Abrasive Grain Blend – YF weight cloth
- Contains grinding aid which enhances performance on stainless steel and other exotic alloys
- Can be run wet or dry



Belt Size (in.)	Grit	Std. Pkg.	Order No.	Price Ea.
1/4 x 24	40	200	**TM1084412**	Price
1/4 x 24	60	200	**TM1080253**	Price
1/4 x 24	80	200	**TM1077642**	Price
1/4 x 24	P120	200	**TM1082229**	Price
1/2 x 18	40	200	**TM1084409**	Price
1/2 x 18	60	200	**TM1080551**	Price
1/2 x 18	80	200	**TM1080232**	Price
1/2 x 18	P120	200	**TM1084304**	Price
1/2 x 24	36	200	**TM1077643**	Price
1/2 x 24	40	200	**TM1082342**	Price
1/2 x 24	50	200	**TM1077408**	Price
1/2 x 24	60	200	**TM1077065**	Price
1/2 x 24	80	200	**TM1077491**	Price
1/2 x 24	P120	200	**TM1081064**	Price
3/4 x 18	36	200	**TM1084302**	Price
3/4 x 18	60	200	**TM1084404**	Price
3/4 x 18	80	200	**TM1077992**	Price
3/4 x 18	P120	200	**TM1084303**	Price
3/4 x 20-1/2	60	200	**TM1080486**	Price
3/4 x 20-1/2	80	200	**TM1080686**	Price
3-1/2 x 15-1/2	36	50	**TM1077336**	Price
3-1/2 x 15-1/2	50	50	**TM1077334**	Price
3-1/2 x 15-1/2	60	50	**TM1077476**	Price
3-1/2 x 15-1/2	80	50	**TM1077333**	Price
3-1/2 x 15-1/2	P100	50	**TM1084306**	Price
3-1/2 x 15-1/2	P120	50	**TM1084307**	Price
3-1/2 x 15-1/2	P180	50	**TM1085320**	Price

3M Backstand and Benchtop Belts

777F

- 3M™ Cubitron™ Abrasive Grain Blend – YF weight cloth
- Contains grinding aid which enhances performance on stainless steel and other exotic alloys
- Can be run wet or dry





Belt Size (in.)	Grit	Std. Pkg.	Order No.	Price Ea.
1 x 42	40	200	**TM1076527**	Price
1 x 42	60	200	**TM1077512**	Price
1 x 42	80	200	**TM1014895**	Price
1-1/2 x 60	60	50	**TM1084416**	Price
1-1/2 x 60	80	50	**TM1076731**	Price
1-1/2 x 60	P120	50	**TM1082022**	Price
2 x 48	36	50	**TM1076738**	Price
2 x 48	60	25	**TM1076519**	Price
2 x 48	80	25	**TM1014896**	Price
2 x 60	36	50	**TM1077663**	Price
2 x 60	60	25	**TM1077152**	Price
2 x 60	80	25	**TM1084296**	Price
2 x 60	P120	25	**TM1085377**	Price
2 x 72	60	25	**TM1080286**	Price
2 x 72	80	25	**TM1014884**	Price
2 x 72	P120	25	**TM1081767**	Price
2 x 132	60	25	**TM1082231**	Price
2 x 132	80	25	**TM1014534**	Price
2 x 132	P120	25	**TM1081687**	Price
2 x 132	180	25	**TM1084315**	Price
2-1/2 x 60	60	25	**TM1076680**	Price
2-1/2 x 60	80	25	**TM1076686**	Price
3 x 132	60	25	**TM1076520**	Price
3 x 132	80	25	**TM1076514**	Price
3 x 132	P120	25	**TM1080028**	Price
3 x 132	180	25	**TM1085762**	Price
4 x 132	80	25	**TM1076515**	Price
4 x 132	120	25	**TM1081443**	Price
6 x 48	36	10	**TM1082313**	Price
6 x 48	50	10	**TM1080176**	Price
6 x 48	60	20	**TM1076679**	Price
6 x 48	80	20	**TM1076733**	Price
6 x 48	P120	20	**TM1082153**	Price

Stick-Kut™ Lubrication Stick Wax



- Safe and effective lubricant for grinding wheels, sanding belts and saw blades
- Eliminates heat build up and belt loading
- Extends wheel life
- Provides smooth, cool cutting
- Reduces loading, stop binding, and prevents burring

Size	Hazard Code	Order No.	Price
15 oz	HAZ57	**LJ5515SK**	Price

Edge Lube



- White, solid, waxy bar, biodegradable
- Excellent for belt, wheel or disc grinding, and sawing applications
- Eliminates heat build-up and belt loading
- Does not contain any hazardous chemicals
- Extends grinding wheel life
- Low toxicity, safe on all metals

Size	Order No.	Price
13 oz	**LJ6043200**	Price

Belt-Magic™ for Coated Abrasive Belts



- Special high-temperature formulation clings to abrasive belts, discs, and grinders with minimal throw-off
- Won't build up behind the wheel
- Provides smoother finish to workpiece and can increase belt life by 30%
- Apply 1 lb stick directly to abrasive surface
- Excellent for ferrous and non-ferrous applications
- Size: 1/2"D x 4-3/8"L

MADE IN THE USA

Size	Hazard Code	Order No.	Price
1 lb Stick	HAZ57	**LK40BT16**	Price

Saw Blade Wax Stick



- Prevents burning, clogging, chatter and tearing
- Works well on all cutting operations of non-ferrous or ferrous metals
- F-168 is soluble in water, non-toxic, non-irritating and biodegradable
- Cleans easily by wiping or hot water flushing
- F-168's fiber tube is made with an extended hollow end **"Safety-Grip"** hand applicator allowing the operator to hold and push the F-168 wax stick safely against the saw or cutting tool
- Uses: Band saws, circular saws, carpenter saws, hack saws
- Other uses: Drilling, tapping grinding, filing, cutting metal spinning, polishing with coated abrasives

Order No.	Price
MJ61F168	Price

Granlund Abrasive Cleaning Sanding Insurance™

Works like a giant eraser to remove wood, metal & plastic from your sanding belts, discs, drums or sheets



- Increases belt life
- Improves finish by reducing burning and chatter
- Made of a long-lasting, clean, safe, non-toxic material

Size (in.)	Description	Order No.	Price
1 x 1 x 6	Stick	**MJ51116W**	Price
1-1/2 x 1-1/2 x 8	Stick	**MJ51158**	Price
2 x 2 x 12	Stick	**MJ512212**	Price
3 x 3 x 1-1/2	Bench Mount	**MJ513315**	Price

Grease Sticks

For Coated Abrasive Belts and Discs

MJ61F26 All Purpose Lubricant for Belts & Discs - A lightbodied grease — that spreads out thinly —remains "wet" on the belt — and provides lubrication by penetrating the coated abrasive surface. Prevents clogging and leaves the abrasive grit free to cut clean and smooth. Recommended for all belt polishing operations — on all metals, plastic and glass

MJ61F90 White Tallow Base Lubricant with High Melting Point - Serves as a lubricant and, at the same time, fills and closes the belt with a heavy bodied grease film. When applied to fine grit size coated abrasive belts it permits a glazing or burnishing action. When applied to coarse grit belt operations the grease film is heavy enough to stay on the belt under severe conditions

MJ61F122 Mixture of Belt Grease & Aluminum Oxide Buffing Flour - Recommended for Belt Polishing Operations on Stainless and Carbon Steel. A mixture of belt grease and unfused, aluminum oxide buffing flour. The grease base serves as a lubricant, and the abrasive flour functions the same as a buffing compound "Coloring Agent" to impart luster to the polished work. Particularly recommended for belt polishing operations on stainless or carbon steel when a high quality, bright finish is desirable

MJ61F115 Mixture of Belt Grease & Tripoli Abrasive - Recommended for Belt Polishing Operations on Non-Ferrous Metals. Coated abrasive belts, used for polishing such non-ferrous metals as zinc or aluminum die casting are too often discarded long before their useful life is expended simply because they become loaded with metal particles. The Tripoli abrasive blended with the grease base of Order. No. MJ65-F115 serves to fill between the abrasive grains on the belt, and minimizes this metal loading condition. In addition, the Tripoli abrasive itself functions as a buffing compound "coloring agent" in bringing out a brighter luster than is obtainable with a straight grease lubricant

MJ61F200 Wheel Wax - A new crystalline wax formulation combined with a unique, dry, inorganic, lubricating additive. Permits super-fine grinding, polishing and finishing



Description	Order No.	Price
All Purpose Lubricant for Belts & Discs	**MJ61F26**	Price
F200 Wheel Wax	**MJ61F200**	Price
Mixture of Belt Grease & Aluminum Oxide Buffing Flour	**MJ61F122**	Price
Mixture of Belt Grease & Tripoli Abrasive	**MJ61F115**	Price
White Tallow Base Lubricant with High Melting Point	**MJ61F90**	Price

Portable File Belts - Aluminum Oxide & Zirconia



Aluminum Oxide CS310:
- X-flex for conformability to work piece
- Suitable for most metals, alloys, hardwoods, aluminum, brass, bronze and stainless steel
- Butt splice for bi-directional

Zirconia CS411:
- Ideal for heavy stock removal
- Polyester cloth backing — can be used wet or dry
- Longer life — Less down time — greater productivity



Material - Aluminum Oxide CS310												
	40		60		80		120		180		220	
Size (W x L) (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/8 x 24	**MM4402140**	Price	**MM4402160**	Price	**MM4402180**	Price	**MM44021120**	Price	**MM44021180**	Price	**MM44021220**	Price
1/4 x 18	**MM4402240**	Price	**MM4402260**	Price	**MM4402280**	Price	**MM44022120**	Price	**MM44022180**	Price	**MM44022220**	Price
1/4 x 24	**MM4402340**	Price	**MM4402360**	Price	**MM4402380**	Price	**MM44023120**	Price	**MM44023180**	Price	**MM44023220**	Price
3/8 x 13	**MM4401940**	Price	**MM4401960**	Price	**MM4401980**	Price	**MM44019120**	Price	**MM44019180**	Price	**MM44019220**	Price
1/2 x 12	**MM4402440**	Price	**MM4402460**	Price	**MM4402480**	Price	**MM44024120**	Price	**MM44024180**	Price	**MM44024220**	Price
1/2 x 18	**MM4402540**	Price	**MM4402560**	Price	**MM4402580**	Price	**MM44025120**	Price	**MM44025180**	Price	**MM44025220**	Price
1/2 x 24	**MM4402640**	Price	**MM4402660**	Price	**MM4402680**	Price	**MM44026120**	Price	**MM44026180**	Price	**MM44026220**	Price
1/2 x 30	**MM4402740**	Price	**MM4402760**	Price	**MM4402780**	Price	**MM44027120**	Price	**MM44027180**	Price	**MM44027220**	Price
3/4 x 18	**MM4402840**	Price	**MM4402860**	Price	**MM4402880**	Price	**MM44028120**	Price	**MM44028180**	Price	**MM44028220**	Price
3/4 x 20-1/2	**MM4402040**	Price	**MM4402060**	Price	**MM4402080**	Price	**MM44020120**	Price	**MM44020180**	Price	**MM44020220**	Price
1 x 30	**MM4402940**	Price	**MM4402960**	Price	**MM4402980**	Price	**MM44029120**	Price	**MM44029180**	Price	**MM44029220**	Price

Material - Zirconia Alumina CS411								
	40		60		80		120	
Size (W x L) (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/8 x 24	**MM44B2140**	Price	**MM44B2160**	Price	**MM44B2180**	Price	**MM44B21120**	Price
1/4 x 24	**MM44B2340**	Price	**MM44B2360**	Price	**MM44B2380**	Price	**MM44B23120**	Price
3/8 x 13	**MM44B1940**	Price	**MM44B1960**	Price	**MM44B1980**	Price	**MM44B19120**	Price
1/2 x 18	**MM44B2540**	Price	**MM44B2560**	Price	**MM44B2580**	Price	**-**	-
1/2 x 24	**MM44B2640**	Price	**MM44B2660**	Price	**MM44B2680**	Price	**MM44B26120**	Price
3/4 x 20-1/2	**MM44B2040**	Price	**MM44B2060**	Price	**MM44B2080**	Price	**MM44B20120**	Price

Abrasives Portable Belts



CS310 Aluminum Oxide:
- Premium components offer extended life and consistency in all applications
- Aluminum Oxide, resin-resin bond, “X” cotton backing, butt spliced

CS411 Aluminum Zirconia:
- Perfect for heavy stock removal
- Premium components for those tough jobs
- Alumina Zirconia, resin-resin bond, “Y” polyester backing, butt spliced

Material - Aluminum Oxide CS310														
	40		50		60		80		100		120		150	
Size (W x L) (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1-1/8 x 21	**MM4403740A**	Price	**MM4403750A**	Price	**MM4403760A**	Price	**MM4403780A**	Price	**MM44037100A**	Price	**MM44037120A**	Price	**MM44037150A**	Price
3 x 21	**MM4401740A**	Price	**MM4401750A**	Price	**MM4401760A**	Price	**MM4401780A**	Price	**MM44017100A**	Price	**MM44017120A**	Price	**MM44017150A**	Price
3 x 24	**MM44018040A**	Price	**MM44018050A**	Price	**MM44018060A**	Price	**MM44018080A**	Price	**MM440180100A**	Price	**MM440180120A**	Price	**MM440180150A**	Price
3-1/2 x 15-1/2	**MM4403940A**	Price	**MM4403950A**	Price	**MM4403960A**	Price	**MM4403980A**	Price	**MM44039100A**	Price	**MM44039120A**	Price	**MM44039150A**	Price
4 x 24	**MM4403840A**	Price	**MM4403850A**	Price	**MM4403860A**	Price	**MM4403880A**	Price	**MM44038100A**	Price	**MM44038120A**	Price	**MM44038150A**	Price

Material - Zirconia Alumina CS411								
	40		50		60		80	
Size (W x L) (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1-1/8 x 21	**MM4403740Z**	Price	**MM4403750Z**	Price	**MM4403760Z**	Price	**MM4403780Z**	Price
3 x 21	**MM4401740Z**	Price	**MM4401750Z**	Price	**MM4401760Z**	Price	**MM4401780Z**	Price
3 x 24	**MM44018040Z**	Price	**MM44018050Z**	Price	**MM44018060Z**	Price	**MM44018080Z**	Price
3-1/2 x 15-1/2	**MM4403940Z**	Price	**MM4403950Z**	Price	**MM4403960Z**	Price	**MM4403980Z**	Price
4 x 24	**MM4403840Z**	Price	**MM4403850Z**	Price	**MM4403860Z**	Price	**MM4403880Z**	Price

Priced per belt/10 belts per package

Aluminum Oxide Shop Rolls



- Premium flexible backing for longer working life
- High quality friable grain
- 50 Yard rolls
- Also available in 24, 320 and 400 grit

		1		1-1/2		2	
Grit	Standard pack	Order No.	Price	Order No.	Price	Order No.	Price
40	1	**MG9063092**	Price	**-**	-	**MG9063098**	Price
50	1	**-**	-	**MG9063095**	Price	**-**	-
60	1	**MG9063062**	Price	**MG9063072**	Price	**MG9063082**	Price
80	1	**MG9063063**	Price	**MG9063073**	Price	**MG9063083**	Price
100	1	**MG9063064**	Price	**MG9063074**	Price	**MG9063084**	Price
120	1	**MG9063065**	Price	**MG9063075**	Price	**MG9063085**	Price
150	1	**MG9063066**	Price	**MG9063076**	Price	**MG9063086**	Price
180	1	**MG9063067**	Price	**MG9063077**	Price	**MG9063087**	Price
220	1	**MG9063068**	Price	**MG9063078**	Price	**MG9063088**	Price

SURF PRO® 50 Yard Aluminum Oxide Shop Rolls

- Ideal for cleaning and deburring metal surfaces
- Convenient packaging
- Flexible cloth backing
- Cut or tear to required length



	1		1-1/2		2	
Grit	Order No.	Price	Order No.	Price	Order No.	Price
40	**SP12SR10040A**	Price	**SP12SR15040A**	Price	**SP12SR20040A**	Price
50	**SP12SR10050A**	Price	**SP12SR15050A**	Price	**SP12SR20050A**	Price
60	**SP12SR10060A**	Price	**SP12SR15060A**	Price	**SP12SR20060A**	Price
80	**SP12SR10080A**	Price	**SP12SR15080A**	Price	**SP12SR20080A**	Price
100	**SP12SR10100A**	Price	**SP12SR15100A**	Price	**SP12SR20100A**	Price
120	**SP12SR10120A**	Price	**SP12SR15120A**	Price	**SP12SR20120A**	Price
150	**SP12SR10150A**	Price	**SP12SR15150A**	Price	**SP12SR20150A**	Price
180	**SP12SR10180A**	Price	**SP12SR15180A**	Price	**SP12SR20180A**	Price
220	**SP12SR10220A**	Price	**SP12SR15220A**	Price	**SP12SR20220A**	Price
240	**SP12SR10240A**	Price	**SP12SR15240A**	Price	**SP12SR20240A**	Price
320	**SP12SR10320A**	Price	**SP12SR15320A**	Price	**SP12SR20320A**	Price
400	**SP12SR10400A**	Price	**SP12SR15400A**	Price	**SP12SR20400A**	Price
Crocus	**-**	-	**-**	-	**SP12SR20CRO**	Price

CARBORUNDUM Aluminum Oxide Abrasive Shop Rolls

- Can be used dry or with oil
- Tough & durable P-graded brown aluminum oxide abrasive
- Easily dispensed from package
- Cut or tear to desired length
- 50 Yard rolls



		1		1-1/2		2	
Length	Grit	Order No.	Price	Order No.	Price	Order No.	Price
50 Yds	60	**MM4210060**	Price	**MM4215060**	Price	**MM4220060**	Price
50 Yds	80	**MM4210080**	Price	**MM4215080**	Price	**MM4220080**	Price
50 Yds	100	**MM42100100**	Price	**MM42150100**	Price	**MM42200100**	Price
50 Yds	120	**MM42100120**	Price	**MM42150120**	Price	**MM42200120**	Price
50 Yds	150	**MM42100150**	Price	**MM42150150**	Price	**MM42200150**	Price
50 Yds	180	**MM42100180**	Price	**MM42150180**	Price	**MM42200180**	Price
50 Yds	220	**MM42100220**	Price	**MM42150220**	Price	**MM42200220**	Price

NORTON SAINT-GOBAIN Aluminum Oxide Shop Rolls Metalite K224 & K225

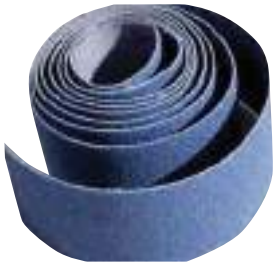
- For fast aggressive cut and long life
- Strong, durable backing conforms to various shapes
- Added strength for course grit applications
- Tough durable aluminum oxide abrasive
- K224 - 50 & 60 Grit
- K225 - All other grits
- 50 Yard rolls



			1		1-1/2		2	
Length	Grit	Std. Pkg.	Order No.	Price	Order No.	Price	Order No.	Price
50 Yds	50	5	**MH61R0127728**	Price	**MH61R0127730**	Price	**MH61R0227732**	Price
50 Yds	60	5	**MH61R0127729**	Price	**MH61R0127731**	Price	**MH61R0227733**	Price
50 Yds	80	5	**MH61R0126276**	Price	**MH61R0126288**	Price	**MH61R0226299**	Price
50 Yds	100	5	**MH61R0126275**	Price	**MH61R0126287**	Price	**MH61R0226298**	Price
50 Yds	120	5	**MH61R0126274**	Price	**MH61R0126286**	Price	**MH61R0226297**	Price
50 Yds	150	5	**MH61R0126273**	Price	**MH61R0126285**	Price	**MH61R0226296**	Price
50 Yds	180	5	**MH61R0126272**	Price	**MH61R0126284**	Price	**MH61R0226295**	Price
50 Yds	220	5	**MH61R0126271**	Price	**MH61R0126283**	Price	**MH61R0226294**	Price
50 Yds	240	5	**MH61R0126270**	Price	**MH61R0126282**	Price	**MH61R0226293**	Price
50 Yds	280	5	**MH61R0126269**	Price	**MH61R0126281**	Price	**MH61R0226292**	Price
50 Yds	320	5	**MH61R0126268**	Price	**MH61R0126280**	Price	**MH61R0226291**	Price
50 Yds	400	5	**MH61R0126267**	Price	**MH61R0126279**	Price	**MH61R0226290**	Price

SUPERIOR ABRASIVES Shur-Blue Utility Cloth Rolls

- Made from premium SHUR-KUT aluminum oxide mineral bonded to “J” weight backing
- For all ferrous and non-ferrous metals
- Works great on wood and fiberglass
- Compare to 3M® Blue Shop Rolls



		1		1-1/2		2	
Length	Grit	Order No.	Price	Order No.	Price	Order No.	Price
50 Yds	100	**MM6444953**	Price	**MM6444961**	Price	**MM6444969**	Price
50 Yds	120	**MM6444954**	Price	**MM6444962**	Price	**MM6444970**	Price
50 Yds	150	**MM6444955**	Price	**MM6444963**	Price	**MM6444971**	Price
50 Yds	180	**MM6444956**	Price	**MM6444964**	Price	**MM6444972**	Price
50 Yds	240	**MM6444958**	Price	**MM6444966**	Price	**MM6444974**	Price
50 Yds	60	**MM6444951**	Price	**MM6444959**	Price	**MM6444967**	Price
50 Yds	80	**MM6444952**	Price	**MM6444960**	Price	**MM6444968**	Price

Available up to 6” wide

Utility Cloth Rolls



- Aluminum Oxide – X and J weight cloth
- Constructed on a durable cloth backing
- Ideal for all utility jobs
- Can be torn into strips and rolled without shelling

Width (in.)	Length	Backing	Grit	Pack Qty.	Order No.	Price Ea.
1	50	X Weight	P50	5	**TM1219794**	Price
1	50	X Weight	P60	5	**TM1219793**	Price
1	50	J Weight	P80	5	**TM1219792**	Price
1	50	J Weight	P120	5	**TM1219790**	Price
1	50	J Weight	P150	5	**TM1219789**	Price
1	50	J Weight	P180	5	**TM1219788**	Price
1	50	J Weight	P220	5	**TM1219787**	Price
1	50	J Weight	P240	5	**TM1219786**	Price
1	50	J Weight	P280	5	**TM1219785**	Price
1	50	J Weight	P400	5	**TM1219783**	Price
1.5	50	X Weight	P50	5	**TM1219813**	Price
1.5	50	J Weight	P80	5	**TM1219811**	Price
1.5	50	J Weight	P120	5	**TM1219809**	Price
1.5	50	J Weight	P150	5	**TM1219808**	Price
1.5	50	J Weight	P180	5	**TM1219807**	Price
1.5	50	J Weight	P220	5	**TM1219806**	Price
1.5	50	J Weight	P240	5	**TM1219805**	Price
1.5	50	J Weight	P280	5	**TM1219804**	Price
1.5	50	J Weight	P400	5	**TM1219802**	Price
2	50	X Weight	P50	5	**TM1219825**	Price
2	50	X Weight	P60	5	**TM1219824**	Price
2	50	J Weight	P80	5	**TM1219823**	Price
2	50	J Weight	P100	5	**TM1219822**	Price
2	50	J Weight	P120	5	**TM1219821**	Price
2	50	J Weight	P150	5	**TM1219820**	Price
2	50	J Weight	P180	5	**TM1219819**	Price
2	50	J Weight	P220	5	**TM1219818**	Price
2	50	J Weight	P240	5	**TM1219817**	Price
2	50	J Weight	P280	5	**TM1219816**	Price
2	50	J Weight	P320	5	**TM1219815**	Price
2	50	J Weight	P400	5	**TM1219814**	Price

Utility Cloth Sheets

314D

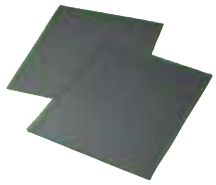


- Aluminum Oxide – X and J weight cloth
- Constructed on a durable cloth backing
- Ideal for all utility jobs
- Can be torn into strips and rolled without shelling

Size (in.) - 9 x 11				
Backing	**Grit**	**Pack Qty.**	**Order No.**	**Price Ea.**
X Weight	P40	5	**TM1219775**	Price
X Weight	P50	5	**TM1219774**	Price
X Weight	P60	5	**TM1219773**	Price
J Weight	P80	50	**TM1219772**	Price
J Weight	P100	5	**TM1219771**	Price
J Weight	P120	50	**TM1219770**	Price
J Weight	P150	5	**TM1219769**	Price
J Weight	P180	5	**TM1219768**	Price
J Weight	P220	50	**TM1219767**	Price
J Weight	P240	5	**TM1219766**	Price
J Weight	P280	5	**TM1219765**	Price
J Weight	P320	5	**TM1219764**	Price

9" x 11" Wetordry™ Sheets

431Q



- Construction reduces clogging, helps eliminate dust, extends abrasive life and improves finish
- Silicon Carbide – C weight paper
- Heavyweight paper backing for increased durability

Grit	Pack Qty.	Order No.	Price Ea.
80	5	**TM1202018**	Price
100	5	**TM1202017**	Price
120	5	**TM1202016**	Price
150	5	**TM1202015**	Price
180	5	**TM1202014**	Price

9" x 11" Wetordry™ Sheets

413Q



- Silicon Carbide – A weight paper
- Excellent conformability

Grit	Pack Qty.	Order No.	Price Ea.
220A	5	**TM1202007**	Price
240A	5	**TM1202006**	Price
280A	5	**TM1202005**	Price
320A	5	**TM1202004**	Price
360A	5	**TM1202003**	Price
400A	5	**TM1202002**	Price

Scotch-Brite™ Hand Pads



- Excellent products for hand finishing and cleaning of woods, metals and composites
- Ideal for wood finishing, paint prep and general cleaning
- 7447 & 7448 PRO: Cuts faster and produces more consistant scratch
- Sold In Standard Pack Only

Width (in.)	Length (in.)	Cat. No.	Color	Grade	Pack Qty.	Order No.	Price Ea.
6	9	7447 PRO	Maroon	A VFN	20	**TM2204029**	Price
6	9	7448 PRO	Light Gray	S ULF	20	**TM2204028**	Price

Scotch-Brite™ Cut & Polish Rolls



- A unique and aggressive material for cleaning and finishing
- Sturdy, long lasting web material is great for heavy industrial cleaning and light deburring applications
- Works well for stropping and other bench applications

Width (in.)	Length	Grade	Std. Pkg.	Order No.	Price Ea.
1	30'	A MED	12	**TM2204085**	Price
2	30'	A MED	6	**TM2205206**	Price
4	30'	A MED	3	**TM2205207**	Price

Scotch-Brite™ Clean & Finish Rolls



- Highly conformable Scotch-Brite™ web can be cut to desired length for hand sanding or oscillating sanders

Width (in.)	Length	Grade	Pack Qty.	Order No.	Price Ea.
4	30'	A MED	3	**TM2200264**	Price
4	30'	A VFN	3	**TM2200266**	Price
4	30'	S VFN	3	**TM2200270**	Price
6	30'	A MED	2	**TM2200274**	Price
6	30'	A VFN	2	**TM2200276**	Price

SURF PRO® 9" x 11" Aluminum Oxide Abrasive Cloth Sheets

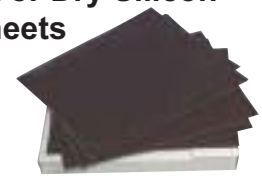


- Aluminum oxide abrasive on durable X weight cloth backing
- Ideal for all utility jobs
- Can be torn into strips and rolled without shelling

Grit	Order No.	Price
40	**SP12S911040A**	Price
50	**SP12S911050A**	Price
60	**SP12S911060A**	Price
80	**SP12S911080A**	Price
100	**SP12S911100A**	Price
120	**SP12S911120A**	Price

Grit	Order No.	Price
150	**SP12S911150A**	Price
180	**SP12S911180A**	Price
220	**SP12S911220A**	Price
240	**SP12S911240A**	Price
320	**SP12S911320A**	Price
400	**SP12S911400A**	Price

SURF PRO® 9" x 11" Wet or Dry Silicon Carbide Finishing Paper Sheets



- Can be used wet or dry
- 60 grit thru 180 grit C weight
- 220 grit and finer A weight

Grit	Order No.	Price
60	**SP12S911060S**	Price
80	**SP12S911080S**	Price
120	**SP12S911120S**	Price
150	**SP12S911150S**	Price
180	**SP12S911180S**	Price
220	**SP12S911220S**	Price
240	**SP12S911240S**	Price

Grit	Order No.	Price
280	**SP12S911280S**	Price
320	**SP12S911320S**	Price
360	**SP12S911360S**	Price
400	**SP12S911400S**	Price
500	**SP12S911500S**	Price
600	**SP12S911600S**	Price
1000	**SP12S91111000S**	Price

SURF PRO® 9" x 11" Crocus Cloth Sheets



- Used to smooth and polish metal surfaces on shafts, bushings, etc

Order No.	Price
SP12S911CRO	Price

9" x 11" Abrasive Sheets

Aluminum Oxide - Cloth Sheets Metalworking
- Aluminum oxide with high temperature resin bond
- Long life and sharp, fast, cutting action
- Use on carbon and alloy steels, all metals and hard wood

Silicon Carbide -- Wetproof Paper Metalworking & Woodworking
- Ideal for all materials, and prepaint applications
- Waterproof
- Silicon carbide grain

Emery Cloth - K622 & K624
- Preferred for metal finishing where more stress is placed on polish then cut

Garnet Paper Sheets A511
- Used for all hand and jitterbug sanding for all types of wood

Silicon Carbide Screen - Cloth Sheets Q421
- Coated on both sides of a strong open mesh, waterproof nylon fabric
- More aggressive than standard shop sheet
- For dry or wet sanding on any material where loading may occur

Style - Abrasive Cloth				
Grit	Material	Pack Qty.	Order No.	Price
60	Aluminum Oxide	25	**MH61S91101861**	Price
80	Aluminum Oxide	25	**MH61S91126340**	Price
100	Aluminum Oxide	50	**MH61S91126339**	Price
120	Aluminum Oxide	50	**MH61S91126338**	Price
150	Aluminum Oxide	50	**MH61S91126337**	Price
180	Aluminum Oxide	50	**MH61S91126336**	Price
240	Aluminum Oxide	50	**MH61S91126334**	Price
320	Aluminum Oxide	50	**MH61S91126332**	Price

Style - Abrasive Paper				
Grit	Material	Pack Qty.	Order No.	Price
80	Garnet	50	**MH61S91101505**	Price
100	Garnet	100	**MH61S91101500**	Price
120	Garnet	100	**MH61S91101495**	Price
150	Garnet	100	**MH61S91101490**	Price
180	Garnet	100	**MH61S91101489**	Price
220	Garnet	100	**MH61S91101488**	Price

SURF PRO® 9" x 11" Emery Cloth Sheets



- Natural emery abrasive with flexible cloth backing
- Removes burrs, cleans and polishes metal
- Can be used dry or with oil

Grit	Order No.	Price
Fine	**SP12S911FINEE**	Price
Medium	**SP12S911MEDE**	Price
Coarse	**SP12S911CRSE**	Price
Extra Coarse	**SP12S911ECSE**	Price

9" x 11" Sand Screen Sheets

- Sharp silicon carbide coated on both sides
- Open mesh – waterproof nylon fabric
- Non-loading – out performs cloth

Grit	Order No.	Price
60	**MM92SS60**	Price
80	**MM92SS80**	Price
100	**MM92SS100**	Price
120	**MM92SS120**	Price
180	**MM92SS180**	Price
220	**MM92SS220**	Price



30 Pc. Aluminum Oxide Abrasive Cloth 9" x 11" Sheets



- Flexible cloth backing
- Tough and durable aluminum oxide
- Ideal for removing cutting tool marks and deburring on all metal parts by hand
- Consists of 10 each - 60, 120 and 180 Grit

Order No.	Price
MM40CAS30	Price



Style - Emery Cloth				
Grit	Material	Pack Qty.	Order No.	Price
100	Emery	50	**MH61S91101309**	Price
150	Emery	50	**MH61S91101308**	Price
50	Emery	25	**MH61S91101255**	Price

Style - Sand Screen Cloth				
Grit	Material	Pack Qty.	Order No.	Price
80	Silicon Carbide	25	**MH61S91100960**	Price
100	Silicon Carbide	25	**MH61S91100955**	Price
120	Silicon Carbide	25	**MH61S91100950**	Price
150	Silicon Carbide	25	**MH61S91100945**	Price
180	Silicon Carbide	25	**MH61S91100940**	Price
220	Silicon Carbide	25	**MH61S91100935**	Price
320	Silicon Carbide	25	**MH61S91100920**	Price
400	Silicon Carbide	25	**MH61S91100915**	Price

Style - Wet/Dry Finishing Paper				
Grit	Material	Pack Qty.	Order No.	Price
180	Silicon Carbide	50	**MH61S91101150**	Price
220	Silicon Carbide	50	**MH61S91139367**	Price
240	Silicon Carbide	50	**MH61S91139366**	Price
320	Silicon Carbide	50	**MH61S91139364**	Price
400	Silicon Carbide	50	**MH61S91139362**	Price
500	Silicon Carbide	50	**MH61S91139361**	Price
600	Silicon Carbide	50	**MH61S91139360**	Price

SURF PRO® Flap Discs



Zirconia Alumina with poly-cotton back
- Poly-cotton heat treated backing for added flexibility
- Resin bond offers maximum cutting capacity, strong edge stability and long life
- Active grinding agent provides cool cutting with light pressure
- Recommended for aggressive use and heavy duty applications
- Excellent on carbon and stainless steel

Zirconium Alumina Plus
- Excellent on carbon and stainless steels
- Provides fast stock removal and excellent life

Ceramic Grain
- Best choice for grinding stainless steel, titanium, inconel, and other hard metals
- Self-sharpening grain creates a "cool grinding surface" for longer disc life and reduced production cost
- 13,300 Maximum RPM

T-27 APPLICATIONS: Use when working on flat grinding surface

				Type 27						Type 29			
				Ceramic		Zirconia		Zirconia Plus		Zirconia		Zirconia Plus	
Size (in.)	Hole Size (in.)	RPM	Grit	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
4-1/2	5/8-11	13300	36	SP11FD45H27036C	Price	SP11FD45H27036Z	Price	SP11FD45H27036P	Price	SP11FD45H29036Z	Price	SP11FD45H29036P	Price
4-1/2	5/8-11	13300	40	SP11FD45H27040C	Price	SP11FD45H27040Z	Price	SP11FD45H27040P	Price	SP11FD45H29040Z	Price	SP11FD45H29040P	Price
4-1/2	5/8-11	13300	60	SP11FD45H27060C	Price	SP11FD45H27060Z	Price	SP11FD45H27060P	Price	SP11FD45H29060Z	Price	SP11FD45H29060P	Price
4-1/2	5/8-11	13300	80	SP11FD45H27080C	Price	SP11FD45H27080Z	Price	SP11FD45H27080P	Price	SP11FD45H29080Z	Price	SP11FD45H29080P	Price
4-1/2	5/8-11	13300	120	-	-	-	-	SP11FD45H27120P	Price	-	-	SP11FD45H29120P	Price
4-1/2	7/8	13300	36	SP11FD45A27036C	Price	SP11FD45A27036Z	Price	SP11FD45A27036P	Price	SP11FD45A29036Z	Price	SP11FD45A29036P	Price
4-1/2	7/8	13300	40	SP11FD45A27040C	Price	SP11FD45A27040Z	Price	SP11FD45A27040P	Price	SP11FD45A29040Z	Price	SP11FD45A29040P	Price
4-1/2	7/8	13300	60	SP11FD45A27060C	Price	SP11FD45A27060Z	Price	SP11FD45A27060P	Price	SP11FD45A29060Z	Price	SP11FD45A29060P	Price
4-1/2	7/8	13300	80	SP11FD45A27080C	Price	SP11FD45A27080Z	Price	SP11FD45A27080P	Price	SP11FD45A29080Z	Price	SP11FD45A29080P	Price
4-1/2	7/8	13300	120	-	-	-	-	SP11FD45A27120P	Price	SP11FD45A29120P	Price	-	-

SURF PRO® Trimmable Premium Zirconia Flap Discs

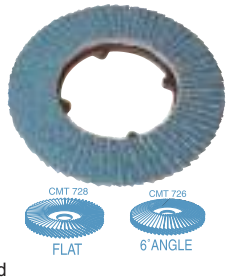


- Trimmable backing allows for longer production cycle, less down time
- Hybrid compact design - flaps are compressed and compacted at a 4 degree angle for strength
- 20% more material than regular flap disc
- Premium poly/cotton material and high concentration of Zirconia grain for aggressive fast grinding and longer working life

Size	Grit	Arbor	Order No.	Price
4-1/2	120	5/8-11	SP11FT45H27120Z	Price
4-1/2	40	5/8-11	SP11FT45H27040Z	Price
4-1/2	40	7/8	SP11FT45A27040Z	Price
4-1/2	60	5/8-11	SP11FT45H27060Z	Price
4-1/2	60	7/8	SP11FT45A27060Z	Price
4-1/2	80	5/8-11	SP11FT45H27080Z	Price
4-1/2	80	7/8	SP11FT45A27080Z	Price
6	120	5/8-11	SP11FT60H27120Z	Price
6	40	5/8-11	SP11FT60H27040Z	Price
6	60	5/8-11	SP11FT60H27060Z	Price
6	80	5/8-11	SP11FT60H27080Z	Price

CMT Series Quick Change Flap Discs

CMT 726 - Type 29 - 6° Angle • CMT 728 - Type 29 - Flat



- Simply affix the disc backing plate to your angle grinder using a standard locking nut and leave it there
- Flap discs are locked into place with a quick turn of the wrist - No tools are necessary
- When a new grinding surface is needed or when grits need to be changed twist the old disc off and put a new one on
- The fibre-reinforced plastic on the back guarantees maximum stability
- Discover the ease of use that the CMT has to offer and gain the advantages that this system can bring to your manufacturing process
- **Sold in boxes of 10**

	CMT726 Type 29-6° Angle		CMT728 Type 29-Flat	
Grit	Order No.	Price	Order No.	Price
40	MM4445CMT726040	Price	MM4445CMT728040	Price
60	MM4445CMT726060	Price	MM4445CMT728060	Price
80	MM4445CMT726080	Price	MM4445CMT728080	Price
120	MM4445CMT726120	Price	MM4445CMT728120	Price

Backing Plate for CMT726 & CMT728 Quick Change Flap Discs



Order No.	Price
MM4445CMTBP	Price

SURF PRO® 4-1/2" x 7/8" Arbor Economy Zirconia Flap Discs



- Zirconia abrasive for high cut rate and fast / cool cutting
- Best for welds and blending, rust removal and light deburring on ferrous and non-ferrous metals
- Heavy X-weight cloth and fiberglass
- Type 29 shape for maximum aggression (Recommended to be used at an angle of 15° to 25° for maximum aggression and high cut rate)

		Type 27		Type 29	
Grit	RPM	Order No.	Price	Order No.	Price
36	13300	SP11FD457A7036Z	Price	SP11FD457A9036Z	Price
40	13300	SP11FD457A7040Z	Price	SP11FD457A9040Z	Price
60	13300	SP11FD457A7060Z	Price	SP11FD457A9060Z	Price
80	13300	SP11FD457A7080Z	Price	SP11FD457A9080Z	Price

Also available in trimmable back and zirc plus.

SURF PRO® Trimmable Premium Ceramic Flap Discs



- Built in hub allows for easy off/on and closer disc placement to the tool
- C3 Ceramic for aggressive cutting action
- Self sharpening ceramic grain and cool grinding aid
- Ideal for hard to grind materials including steel and other heat sensitive materials

Size (in.)	Grit	Hole Size	Order No.	Price
4-1/2	40	5/8-11	SP11FT45H27040C	Price
4-1/2	60	5/8-11	SP11FT45H27060C	Price
4-1/2	80	5/8-11	SP11FT45H27080C	Price
6	40	5/8-11	SP11FT60H27040C	Price
6	60	5/8-11	SP11FT60H27060C	Price
6	80	5/8-11	SP11FT60H27080C	Price

3M Flap Discs

Engineered to Keep on Going - long after other discs have called it quits!



- Alumina zirconia provides extended life and more cutting power than aluminum oxide - across all metal types
- 566A Material: Versatile disc, performs well on multiple applications
- Y wt. poly-cotton backing
- Other sizes and materials available

					T27		T29	
Size (in.)	Grit	Max RPM	Std. Pkg.	Hole Size	Order No.	Price	Order No.	Price
4-1/2	40	13300	10	7/8	**TM1155366**	Price	**TM1155406**	Price
4-1/2	60	13300	10	7/8	**TM1155367**	Price	**TM1155407**	Price
4-1/2	80	13300	10	7/8	**TM1155368**	Price	**TM1155408**	Price
4-1/2	40	13300	10	5/8-11	**TM1155362**	Price	**TM1155402**	Price
4-1/2	60	13300	10	5/8-11	**TM1155363**	Price	**TM1155403**	Price
4-1/2	80	13300	10	5/8-11	**TM1155364**	Price	**TM1155404**	Price

3M Flap Discs

947D



- Type 27
- Excellent option for stainless steel finishing
- Premium 3M™ Cubitron™ Abrasive Grain for exceptional cut and life on hard metals
- Available in convenient “Quick Change” option
- **Sold in Standard Pack only**

Dia. (in.)	Hole Size (in.)	Grit	Max. RPM	Std. Pkg. Qty.	Order No.	Price
4-1/2	7/8	40	13300	10	**TM1161187**	Price
4-1/2	7/8	60	13300	10	**TM1161188**	Price
4-1/2	7/8	80	13300	10	**TM1161189**	Price
4-1/2	7/8	120	13300	10	**TM1161190**	Price
4-1/2	5/8-11	40	13300	10	**TM1161191**	Price
4-1/2	5/8-11	120	13300	10	**TM1161194**	Price

3M Giant Flap Discs 566A

Take a giant step toward greater productivity!



3M™ Giant Flap Discs are extra thick, and packed with more abrasive muscle.

- 25% More abrasive material than standard flap discs
- Delivers longer life and fewer changes
- Y Wt. poly-cotton backing
- Other sizes and materials available

					T27		T29	
Size (in.)	Grit	Max RPM	Std. Pkg.	Hole Size	Order No.	Price Ea.	Order No.	Price Ea.
4-1/2	40	13300	10	7/8	**TM1155382**	Price	**TM1155422**	Price
4-1/2	60	13300	10	7/8	**TM1155383**	Price	**TM1155423**	Price
4-1/2	80	13300	10	7/8	**TM1155384**	Price	**TM1155424**	Price
4-1/2	40	13300	10	5/8-11	**TM1155378**	Price	**TM1155418**	Price
4-1/2	60	13300	10	5/8-11	**TM1155379**	Price	**TM1155419**	Price
4-1/2	80	13300	10	5/8-11	**TM1155380**	Price	**TM1155420**	Price

WALTER Enduro-Flex Turbo Type 29 Ceramic Flap Discs



- Exclusive flap configuration and Cyclone™ Technology for ultra fast metal removal
- Turbofan™ Cooling keeps the work piece cooler for longer disc life
- Guaranteed cost savings

Dia. (in.)	Grit	Hole Size (in.)	RPM	Std. Pack	Order No.	Price
4-1/2	36/60	5/8-11	13300	10	**WS0106A452**	Price
5	36/60	5/8-11	12200	10	**WS0106A502**	Price
6	36/60	5/8-11	10200	10	**WS0106A602**	Price

3M Flap Discs

747D



- Type 27
- Premium 3M™ Cubitron™ Abrasive Grain provides extended cut and life on hard metals
- **Sold in Standard Pack Only**

Dia. (in.)	Hole Size (in.)	Grit	Max. RPM	Std. Pkg.	Order No.	Price
4-1/2	7/8	36	13300	10	**TM1149613**	Price
4-1/2	7/8	50	13300	10	**TM1149614**	Price
4-1/2	7/8	60	13300	10	**TM1149615**	Price
4-1/2	7/8	80	13300	10	**TM1149616**	Price
4-1/2	7/8	P120	13300	10	**TM1149617**	Price

3M Cubitron II Flap Discs - 967A



- 3M Precision Shaped Grain maintains super-sharp points that cut exceptionally fast with less pressure
- Engineered to run cooler, reducing metal discoloration/oxidation and the chance of heat related stress cracks
- Flaps grind and blend in a single step ~ Durable Y-weight poly-cotton backing delivers controlled, even wear for full use of the disc on low to medium-high pressure applications
- A grinding aid incorporated on the disc minimizes grinding temperatures for heat-sensitive alloys like stainless steel, titanium, and nickel alloys

Type - Type 27						
Dia. (in.)	Hole Size (in.)	Grit	Max. RPM	Std. Pkg.	Order No.	Price
4-1/2	5/8-11	40+	13300	10	**TM1155632**	Price
4-1/2	5/8-11	60+	13300	10	**TM1155603**	Price
4-1/2	5/8-11	60+	13300	10	**TM1155633**	Price
4-1/2	5/8-11	80+	13300	10	**TM1155604**	Price
4-1/2	5/8-11	80+	13300	10	**TM1155634**	Price
4-1/2	7/8	40+	13300	10	**TM1155605**	Price
4-1/2	7/8	40+	13300	10	**TM1155635**	Price
4-1/2	7/8	60+	13300	10	**TM1155606**	Price
4-1/2	7/8	60+	13300	10	**TM1155636**	Price
4-1/2	7/8	80+	13300	10	**TM1155607**	Price
4-1/2	7/8	80+	13300	10	**TM1155637**	Price

Type - Type 29						
Dia. (in.)	Hole Size (in.)	Grit	Max. RPM	Std. Pkg.	Order No.	Price
4-1/2	5/8-11	40+	13300	10	**TM1155644**	Price
4-1/2	5/8-11	60+	13300	10	**TM1155621**	Price
4-1/2	5/8-11	60+	13300	10	**TM1155645**	Price
4-1/2	5/8-11	80+	13300	10	**TM1155622**	Price
4-1/2	5/8-11	80+	13300	10	**TM1155646**	Price
4-1/2	7/8	40+	13300	10	**TM1155623**	Price
4-1/2	7/8	40+	13300	10	**TM1155647**	Price
4-1/2	7/8	60+	13300	10	**TM1155624**	Price
4-1/2	7/8	60+	13300	10	**TM1155648**	Price
4-1/2	7/8	80+	13300	10	**TM1155625**	Price

WALTER Enduro-Flex Zirconia Alumina Type 29 Flap Discs



- Longest lasting flap disc on the market
- Highest overall material removal in the industry
- New Eco-Trim backing is easier to trim and environmentally friendly

Dia. (in.)	Grit	Hole Size (in.)	RPM	Std. Pack	Order No.	Price
4-1/2	40	5/8-11	13300	10	**WS0106B454**	Price
4-1/2	60	5/8-11	13300	10	**WS0106B456**	Price
4-1/2	80	5/8-11	13300	10	**WS0106B458**	Price
4-1/2	120	5/8-11	13300	10	**WS0106B462**	Price
5	40	5/8-11	12200	10	**WS0106B504**	Price
5	60	5/8-11	12200	10	**WS0106B506**	Price
5	80	5/8-11	12200	10	**WS0106B508**	Price
5	120	5/8-11	12200	10	**WS0106B512**	Price
6	40	5/8-11	10200	10	**WS0106B604**	Price
6	60	5/8-11	10200	10	**WS0106B606**	Price
6	80	5/8-11	10200	10	**WS0106B608**	Price
6	120	5/8-11	10200	10	**WS0106B612**	Price

Merit Powerflex® Type 27
Norton Red Heat Type 27



- Powerflex® Zirconia Alumina Abrasive grinds cooler, saves time and money
- Last up to 15 times longer than resin fiber discs
- High quality consistent finish on steel and exotic metals

Red Heat (Type 27):

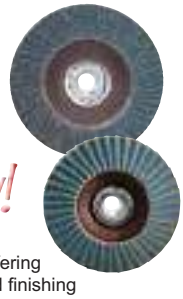


- Type 27 Flap Discs designed for optimum efficiency when operating at angles from 0 to 15°
- Premium Ceramic and Zirconia Alumina blend provides excellent performance on stainless and carbon steel application
- Less pressure for aggressive stock removal
- Longer disc life

				Ceramic & Zirconia Alumina		Zirconia Alumina	
				Norton Abrasives		Merit	
Dia. (in.)	Hole (in.)	Grit	Std. Qty.	Order No.	Price	Order No.	Price
4	5/8	40	10	**MH6136153**	Price	-	-
4-1/2	7/8	36	10	**MH6104876**	Price	**MM5990789**	Price
4-1/2	7/8	24	10	-	-	**MM5990785**	Price
4-1/2	7/8	60	10	**MH6104878**	Price	**MM5990750**	Price
4-1/2	7/8	40	10	**MH6104877**	Price	-	-
4-1/2	7/8	80	10	**MH6104879**	Price	**MM5990751**	Price
4-1/2	7/8	120	10	**MH6105279**	Price	**MM5990825**	Price
4-1/2	5/8-11	36	10	-	-	**MM5993319**	Price
4-1/2	5/8-11	36	5	**MH6199163**	Price	-	-
4-1/2	5/8-11	60	10	**MH6136148**	Price	-	-
4-1/2	5/8-11	80	10	**MH6136149**	Price	-	-
4-1/2	5/8-11	120	5	**MH6199164**	Price	-	-

Note: Merit Powerflex in Type 27 have a fiberglass backing. Norton Red Heat Type 27 has a plastic backing that wears away with the abrasive for longer life and smoother finish.

R884P & R766 Flap Discs



BLUEFIRE:

- High performance zirconia alumina abrasive with grinding aid for aggressive cut and long life providing up to 30% improved performance over competitive zirconia alumina products
- Type 27 have a flatter angle and are best used on flat surfaces for blending and smooth finishing
- Plastic backing plates add some conformability and are trimmable
- Coarse 36 grit for stock removal, beveling and edge chamfering
- Polyester/cotton backing combination for good cut rate and finishing

NEON:

- Blend of ceramic alumina and aluminum oxide provides higher performance than aluminum oxide while retaining an economical price
- Type 27 have a flatter angle and are best used on flat surfaces for blending and smooth finishing
- Plastic backing plates add some conformability and are trimmable
- Fine/120 grit for final finishing
- Poly/cotton backing combination for good cut rate and finishing
- Good choice for soft metals to hard to grind stainless and carbon steel

Trade Name - BlueFire Wheel Type - T27 Flat							
Dia. (in.)	Grit	Hole Size (in.)	RPM	Std. Pack	Material	Order No.	Price
4-1/2	36	7/8	13300	10	Zirconia Alumina	**MH61FD0499140**	Price
4-1/2	40	7/8	13300	10	Zirconia Alumina	**MH61FD0499141**	Price
4-1/2	60	7/8	13300	10	Zirconia Alumina	**MH61FD0499142**	Price
4-1/2	80	7/8	13300	10	Zirconia Alumina	**MH61FD0499143**	Price
4-1/2	36	5/8-11	13300	10	Zirconia Alumina	**MH61FD0499136**	Price
4-1/2	60	5/8-11	13300	10	Zirconia Alumina	**MH61FD0499138**	Price
7	36	5/8-11	8600	10	Zirconia Alumina	**MH61FD0799155**	Price

Trade Name - Neon Wheel Type - T27							
Dia. (in.)	Grit	Hole Size (in.)	RPM	Std. Pack	Material	Order No.	Price
4-1/2	120	5/8-11	13300	10	Ceramic Alumina	**MH61FD0499003**	Price

Trade Name - Neon Wheel Type - T29							
Dia. (in.)	Grit	Hole Size (in.)	RPM	Std. Pack	Material	Order No.	Price
4-1/2	80	5/8-11	13300	10	Ceramic Alumina	**MH61FD0499173**	Price
4-1/2	120	5/8-11	13300	10	Ceramic Alumina	**MH61FD0499174**	Price

Mini Flap Discs

BLAZE:

- Food processing equiment and machinery
- Pressure vessels, ship containers
- Surgical/medical/distilling equipment
- Aerospace
- Latest-generation ceramic alumina abrasive provides 50-200% longer life vs any flap disc on stainless, titanium and super alloys
- Supersize grinding aid provides a cool, noticeably faster cut rate



BLUEFIRE:

- Plate steel/structural steel
- Civil/construction/military equpment
- Propane tanks
- Farm equipment
- Strong zirconia alumina plus abrasive delivers aggressive cut rate and up to 30% longer life on mild carbon steel welds
- Semi-open coat retards loading on aluminum



NEON:

- Job shops and small one-off runs in larger shops; anywhere a good-performing, general purpose disc is needed
- Aluminum oxide abrasive blend flaps stand up to light-to-moderately-demanding soft metal, carbon, and stainless steel applications
- Ideal when purchasing criteria is a good-performing, low-intiial price, general purpose disc



Trade Name - Blaze						
			TR		TS	
Size (in.)	Grit	Std. Pkg.	Order No.	Price	Order No.	Price
2	120	10	**MH61D0290149**	Price	**MH61D0290159**	Price
2	36	10	**MH61D0290145**	Price	**MH61D0290155**	Price
2	40	10	**MH61D0290146**	Price	**MH61D0290156**	Price
2	60	10	**MH61D0290147**	Price	**MH61D0290157**	Price
2	80	10	**MH61D0290148**	Price	**MH61D0290158**	Price

Trade Name - Bluefire						
			TR		TS	
Size (in.)	Grit	Std. Pkg.	Order No.	Price	Order No.	Price
2	120	10	**MH61D0290169**	Price	**MH61D0290179**	Price
2	36	10	**MH61D0290165**	Price	**MH61D0290175**	Price
2	40	10	**MH61D0290166**	Price	**MH61D0290176**	Price

Trade Name - Bluefire						
			TR		TS	
Size (in.)	Grit	Std. Pkg.	Order No.	Price	Order No.	Price
2	60	10	**MH61D0290167**	Price	**MH61D0290177**	Price
2	80	10	**MH61D0290168**	Price	**MH61D0290178**	Price

Trade Name - Neon						
			TR		TS	
Size (in.)	Grit	Std. Pkg.	Order No.	Price	Order No.	Price
2	120	10	**MH61D0232106**	Price	**MH61D0232116**	Price
2	36	10	**MH61D0232101**	Price	**MH61D0232112**	Price
2	40	10	**MH61D0232102**	Price	**MH61D0232113**	Price
2	60	10	**MH61D0232104**	Price	**MH61D0232114**	Price
2	80	10	**MH61D0232105**	Price	**MH61D0232115**	Price

Also available in 3" diameter

R980 Flap Discs

The Next Generation Ceramic Grain Flap Disc



- R980 SG Blaze ceramic grain, for noticeably faster cut rate
- Improved Y-Wt. polyester cloth finish and resin system for significantly better grain retention, edge fray resistance = longer disc life, lower grind cost

Trade Name - Blaze R980P Wheel Type - T27 Flat					
Dia. (in.)	Hole (in.)	Grit	Std. Qty.	Order No.	Price Ea.
4-1/2	7/8	40	10	**MH61FD0400253**	Price
4-1/2	7/8	60	10	**MH61FD0400254**	Price
4-1/2	7/8	80	10	**MH61FD0400255**	Price
4-1/2	7/8	120	10	**MH61FD0400256**	Price
4-1/2	5/8-11	40	10	**MH61FD0400257**	Price
4-1/2	5/8-11	60	10	**MH61FD0400258**	Price
4-1/2	5/8-11	80	10	**MH61FD0400259**	Price
4-1/2	5/8-11	120	10	**MH61FD0400261**	Price

Trade Name - Blaze R980P Wheel Type - T29 Conical					
Dia. (in.)	Hole (in.)	Grit	Std. Qty.	Order No.	Price Ea.
4-1/2	7/8	40	10	**MH61FD0483487**	Price
4-1/2	5/8-11	36	10	**MH61FD0483490**	Price
4-1/2	5/8-11	40	10	**MH61FD0483491**	Price
4-1/2	5/8-11	60	10	**MH61FD0483492**	Price
4-1/2	5/8-11	80	10	**MH61FD0483493**	Price

Available in 5” and 7” diameters

MERIT Metal Zirc Flap Wheels - Cotton/Poly Flaps



Features / Benefits:

- High performance zirconia alumina abrasive
- Maximum cut rate and life
- Engineered blend of cotton and polyester flaps for longer life and wear resistance
- Durable, fiberglass back
- High strength, lightweight, absorbs vibration

Size (in.)	Grit	RPM	Std. Pkg.	Order No.	Price
4-1/2 x 5/8-11	36	13300	10	**MM5919991**	Price
4-1/2 x 5/8-11	40	13300	10	**MM5919994**	Price
4-1/2 x 5/8-11	60	13300	10	**MM5919996**	Price
4-1/2 x 5/8-11	80	13300	10	**MM5919997**	Price
4-1/2 x 7/8	36	13300	10	**MM5919963**	Price
4-1/2 x 7/8	40	13300	10	**MM5919978**	Price
4-1/2 x 7/8	60	13300	10	**MM5919984**	Price
4-1/2 x 7/8	80	13300	10	**MM5919987**	Price

Available up to 7” diameter in Type 27 & Type 29

Carbo White Zirconia Alumina Resin Cloth Flap Discs



- Type 27 - Plastic - Flat face, plastic back
- Fits same type grinder as resin fiber disc and depressed center wheel
- 5 & 7” Also Available

Size	Grit	RPM	Std. Pkg.	Order No.	Price Ea.
4-1/2 x 5/8-11	120	13300	10	**MM4202064**	Price
4-1/2 x 5/8-11	40	13300	10	**MM4202060**	Price
4-1/2 x 5/8-11	60	13300	10	**MM4202062**	Price
4-1/2 x 5/8-11	80	13300	10	**MM4202063**	Price
4-1/2 x 7/8	120	13300	10	**MM4202080**	Price
4-1/2 x 7/8	40	13300	10	**MM4202077**	Price
4-1/2 x 7/8	60	13300	10	**MM4202078**	Price
4-1/2 x 7/8	80	13300	10	**MM4202079**	Price

Medalist Ceramic Alumina Resin Cloth Flap Discs



- Ideal for aggressive cutting action, cool cut and longer life on harder-to-grind materials
- High Performance blend of ceramic and zirconia abrasives
- Type 27 Plastic - flat face, plastic back
- YP 2079 W grading
- Requires less pressure to work at maximum performance
- 5” & 7” Also available

Size (in.)	Grit	RPM	Std. Pkg.	Order No.	Price Ea.
4-1/2 x 5/8-11	40	13300	10	**MM4226212**	Price
4-1/2 x 5/8-11	60	13300	10	**MM4226217**	Price
4-1/2 x 5/8-11	80	13300	10	**MM4226218**	Price
4-1/2 x 7/8	40	13300	10	**MM4267811**	Price
4-1/2 x 7/8	60	13300	10	**MM4267812**	Price
4-1/2 x 7/8	80	13300	10	**MM4267813**	Price

Premier Red Zirconia Alumina Resin Cloth Flap Discs



- Ideal for metal grinding and polishing, especially for weld bead grinding on fine carbon an stainless steel
- Type 29 - Angled flaps, conical, slightly concaved design
- Type 27 - Flat Face
- Fat Boy - Thicker with more flaps
- Type 27 - 7” Also Available
- Type 29 - 5 & 7” Also Available

Wheel Type - T27					
Size (in.)	Grit	RPM	Std. Pkg.	Order No.	Price Ea.
4-1/2 x 5/8-11	36	13300	5	**MM4264060**	Price
4-1/2 x 5/8-11	40	13300	5	**MM4264061**	Price
4-1/2 x 5/8-11	60	13300	5	**MM4264062**	Price
4-1/2 x 5/8-11	80	13300	5	**MM4264063**	Price
4-1/2 x 7/8	120	13000	5	**MM4263745**	Price
4-1/2 x 7/8	36	13000	5	**MM4263741**	Price
4-1/2 x 7/8	40	13000	5	**MM426374**	Price
4-1/2 x 7/8	60	13000	5	**MM4263743**	Price
4-1/2 x 7/8	80	13000	5	**MM4263744**	Price

Wheel Type - T27 - Fat Boy					
Size (in.)	Grit	RPM	Std. Pkg.	Order No.	Price Ea.
4-1/2 x 5/8-11	40	13300	5	**MM4268838**	Price
4-1/2 x 5/8-11	60	13300	5	**MM4268846**	Price
4-1/2 x 5/8-11	80	13300	5	**MM4268848**	Price
4-1/2 x 7/8	40	13300	5	**MM4263929**	Price
4-1/2 x 7/8	60	13300	5	**MM4263930**	Price
4-1/2 x 7/8	80	13300	5	**MM4263931**	Price

Wheel Type - T29					
Size (in.)	Grit	RPM	Std. Pkg.	Order No.	Price Ea.
4-1/2 x 5/8-11	36	13300	5	**MM4220348**	Price
4-1/2 x 5/8-11	40	13300	5	**MM4220347**	Price
4-1/2 x 5/8-11	60	13300	5	**MM4220346**	Price
4-1/2 x 5/8-11	80	13300	5	**MM4220345**	Price
4-1/2 x 7/8	120	13300	5	**MM4218619**	Price
4-1/2 x 7/8	24	13300	5	**MM4218624**	Price
4-1/2 x 7/8	36	13300	5	**MM4218623**	Price
4-1/2 x 7/8	40	13300	5	**MM4218622**	Price
4-1/2 x 7/8	60	13300	5	**MM4218621**	Price
4-1/2 x 7/8	80	13300	5	**MM4218620**	Price

Wheel Type - T29 - Fat Boy					
Size (in.)	Grit	RPM	Std. Pkg.	Order No.	Price Ea.
4-1/2 x 5/8-11	40	13300	5	**MM4270539**	Price
4-1/2 x 5/8-11	60	13300	5	**MM4270540**	Price
4-1/2 x 5/8-11	80	13300	5	**MM4270541**	Price

Z3 Premium Zirconia Flap Discs



Z3:
- Fastest grain removal in the marketplace for carbon based steels and second best after CGW Z-Stainless discs on stainless steels, while offering excellent life
- Recommended for aggressive use and heavy duty applications
- Active grinding agent provides cool cutting with light pressure
- Special optimized resin bond offers maximum cutting capacity, strong edge stability and long life
- Premium Zirconia alumina grain with a poly/cotton heat treated backing
- The poly/cotton combination provides low stretch and strength for the high zirocnia concentration that Z3 contains

CF

Right Angle Grinder

T-27 APPLICATIONS: Use when working on flat grinding surfaces
T-29 APPLICATIONS: Conical Type has an angle excellent for contour and edge work

				T27		T29		T27 XL		T29 XL	
				Z3		Z3		Z3 XL		Z3 XL	
Dia. (in.)	Hole (in.)	Grit	RPM	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
4	5/8	24	15300	-	-	MG9042120	Price	-	-	-	-
4	5/8	36	15300	MG9042102	Price	MG9042121	Price	-	-	-	-
4	3/8	40	15300	-	-	-	-	-	-	MG9042132	Price
4	5/8	40	15300	MG9042103	Price	MG9042122	Price	MG9042142	Price	-	-
4	5/8	60	15300	MG9042104	Price	MG9042124	Price	MG9042144	Price	MG9042164	Price
4	5/8	80	15300	MG9042105	Price	MG9042125	Price	MG9042145	Price	MG9042165	Price
4	5/8	120	15300	MG9042106	Price	MG9042126	Price	MG9042146	Price	-	-
4-1/2	7/8	24	13300	MG9042300	Price	MG9042320	Price	-	-	-	-
4-1/2	7/8	36	13300	MG9042301	Price	MG9042321	Price	MG9042341	Price	MG9042361	Price
4-1/2	7/8	40	13300	MG9042302	Price	MG9042322	Price	MG9042342	Price	MG9042362	Price
4-1/2	7/8	60	13300	MG9042304	Price	MG9042324	Price	MG9042344	Price	MG9042364	Price
4-1/2	7/8	80	13300	MG9042305	Price	MG9042325	Price	MG9042345	Price	MG9042365	Price
4-1/2	7/8	120	13300	MG9042306	Price	MG9042326	Price	-	-	MG9042366	Price
4-1/2	5/8-11	36	13300	MG9042311	Price	MG9042331	Price	MG9042351	Price	MG9042371	Price
4-1/2	5/8-11	40	13300	MG9042312	Price	MG9042332	Price	MG9042352	Price	MG9042372	Price
4-1/2	5/8-11	60	13300	MG9042314	Price	MG9042334	Price	MG9042354	Price	MG9042374	Price
4-1/2	5/8-11	80	13300	MG9042315	Price	MG9042335	Price	MG9042355	Price	MG9042375	Price
4-1/2	5/8-11	120	13300	MG9042316	Price	MG9042336	Price	MG9042356	Price	MG9042376	Price
4- 1/2	7/8	120	13300	-	-	-	-	MG9042346	Price	-	-

Z-Stainless Premium Zirconia Flap Discs



Z-Stainless:
- Quickest stainless steel material removal rate on the market - plus good carbon based steel material removal for versatile working
- Premium blend of Zirconia and Aluminum Oxide grains with a heat treated polyester backing and active grinding aid
- Polyester backing is tough and has minimal stretch
- Additional layer containing a resin grinding aid and active grinding agents lubricates the grains for break down with light pressure
- Designed for heat sensitive applications and all but eliminates heat generation
- Pigment added to the grain to maintain blue coloring

CF

Right Angle Grinder

T-27 APPLICATIONS: Use when working on flat grinding surfaces
T-29 APPLICATIONS: Conical Type has an angle excellent for contour and edge work

				T27		T27 XL		T29		T29 XL	
				Z3 Stainless		Z3 Stainless XL		Z3 Stainless		Z3 Stainless XL	
Dia. (in.)	Hole (in.)	Grit	RPM	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
4-1/2	7/8	40	13300	MG9031012	Price	MG9031092	Price	MG9031052	Price	MG9031132	Price
4-1/2	7/8	60	13300	MG9031014	Price	MG9031094	Price	MG9031054	Price	MG9031134	Price
4-1/2	7/8	80	13300	MG9031015	Price	MG9031095	Price	MG9031055	Price	MG9031135	Price
4-1/2	5/8-11	40	13300	MG9031172	Price	MG9031232	Price	MG9031202	Price	MG9031262	Price
4-1/2	5/8-11	60	13300	MG9031174	Price	MG9031234	Price	MG9031204	Price	MG9031264	Price
4-1/2	5/8-11	80	13300	MG9031175	Price	MG9031235	Price	MG9031205	Price	MG9031265	Price
7	7/8	40	8600	MG9031032	Price	MG9031112	Price	-	-	-	-
7	7/8	60	8600	MG9031034	Price	MG9031114	Price	-	-	-	-
7	7/8	80	8600	MG9031035	Price	MG9031115	Price	-	-	-	-

Z3 Zirconia Made Flap Discs



- Premium Z3 (Zirconia alumina grain) on a heavy duty poly/cotton backing
- Material for long life and faster grinding results
- Active grinding aid agent provides cool cutting with only light pressure

			T27 - Rol-On		T27 - Turn-On	
Dia. (in.)	Grit	Std. Pkg.	Order No.	Price	Order No.	Price
2	120	10	MG9030006	Price	MG9030026	Price
2	36	10	MG9030001	Price	-	-
2	40	10	MG9030002	Price	MG9030022	Price
2	60	10	MG9030004	Price	MG9030024	Price
2	80	10	MG9030005	Price	MG9030025	Price
3	120	10	MG9030016	Price	MG9030036	Price

			T27 - Rol-On		T27 - Turn-On	
Dia. (in.)	Grit	Std. Pkg.	Order No.	Price	Order No.	Price
3	36	10	MG9030011	Price	-	-
3	40	10	MG9030012	Price	MG9030032	Price
3	60	10	MG9030014	Price	MG9030034	Price
3	80	10	MG9030015	Price	MG9030035	Price

Z3 Ultimate Blue Zirconia Flap Discs

Z3 Ultimate – Excellent on steel and stainless

- Extra wide material width for extra long life. This creates extra spacing to allow zirconia to break down
- Special design flap structure provides cushion-like impact, thus making stock removal easier to control and offering best finishing results
- 30% longer life than regular density flap discs
- Premium 100% Zirconia Alumina grain with a poly/cotton heat treated backing



CF

Right Angle Grinder

				T27		T29	
Dia. (in.)	Hole (in.)	RPM	Grit	Order No.	Price	Order No.	Price
4-1/2	7/8	13300	36	**MG9054001**	Price	**MG9054021**	Price
4-1/2	7/8	13300	40	**MG9054002**	Price	**MG9054022**	Price
4-1/2	7/8	13300	60	**MG9054004**	Price	**MG9054024**	Price
4-1/2	7/8	13300	80	**MG9054005**	Price	**MG9054025**	Price
4-1/2	5/8-11	13300	36	**MG9054011**	Price	**MG9054031**	Price
4-1/2	5/8-11	13300	40	**MG9054012**	Price	**MG9054032**	Price
4-1/2	5/8-11	13300	60	**MG9054014**	Price	**MG9054034**	Price
4-1/2	5/8-11	13300	80	**MG9054015**	Price	**MG9054035**	Price

Z3 Double/XXL Flap Discs

- 20% more material than XL flap discs
- Designed for easy working on angled surfaces
- Extra wide flaps for longer working life

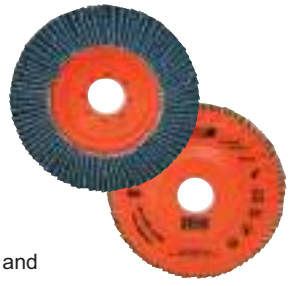


CF

Right Angle Grinder

				T27	
Dia. (in.)	Hole (in.)	Grit	RPM	Order No.	Price
4-1/2	7/8	40	13300	**MG9036316**	Price
4-1/2	7/8	60	13300	**MG9036317**	Price
4-1/2	7/8	80	13300	**MG9036318**	Price
4-1/2	5/8-11	40	13300	**MG9036319**	Price
4-1/2	5/8-11	60	13300	**MG9036320**	Price
4-1/2	5/8-11	80	13300	**MG9036321**	Price

Compact Zirconia Flap Discs - Trimmable Back



- Trimmable backing allows for longer production cycle, less downtime
- Hybrid compact design - flaps are compressed and compacted at a 4° for edge strength - 20% more material than regular Z3 flap discs
- Z3 Premium Zirconia Alumina grain for aggressive, heavy duty applications
- Poly/cotton backing provides low stretch and strength
- Active grinding agent provides cool cutting with light pressure
- Standard pack – 10 Pc

Dia. (in.)	Arbor Size (in.)	Grit	RPM	Order No.	Price
4-1/2	7/8	40	13300	**MG9039722**	Price
4-1/2	7/8	60	13300	**MG9039724**	Price
4-1/2	7/8	80	13300	**MG9039725**	Price
5	7/8	40	12200	**MG9039742**	Price
5	7/8	60	12200	**MG9039744**	Price
5	7/8	80	12200	**MG9039745**	Price
4-1/2	5/8-11	40	13300	**MG9039714**	Price
4-1/2	5/8-11	60	13300	**MG9039715**	Price
4-1/2	5/8-11	80	13300	**MG9039716**	Price

C3 Ceramic Compact Trimmable Flap Discs with Hub

- Build in hub allows for easy off/on and closer disc placement to the tool
- C3 Ceramic for aggressive cutting action
- Self sharpening ceramic grain and cool grinding aid
- Ideal for hard to grind materials including steel and other heat sensitive materials



Dia. (in.)	Hole (in.)	Grit	RPM	Order No.	Price
4-1/2	5/8-11	40	13300	**MG9030202**	Price
4-1/2	5/8-11	60	13300	**MG9030204**	Price
4-1/2	5/8-11	80	13300	**MG9030205**	Price
5	5/8-11	40	12000	**MG9030212**	Price
5	5/8-11	60	12000	**MG9030214**	Price
5	5/8-11	80	12000	**MG9030215**	Price
6	5/8-11	40	10200	**MG9030222**	Price
6	5/8-11	60	10200	**MG9030224**	Price
6	5/8-11	80	10200	**MG9030225**	Price

Z3 XL Zirconia Compact Trimmable Flap Discs with Built in Hub

- Built in hub allows for easy off/on and closer disc placement to the tool
- Z3 (Zirconia) for fast, long-lasting grinding
- Ideal for heavy duty applications



Dia. (in.)	Hole (in.)	Grit	RPM	Order No.	Price
4-1/2	5/8-11	40	13300	**MG9030142**	Price
4-1/2	5/8-11	60	13300	**MG9030144**	Price
4-1/2	5/8-11	80	13300	**MG9030145**	Price
4-1/2	5/8-11	12	13300	**MG9030146**	Price
5	5/8-11	40	12200	**MG9030152**	Price
5	5/8-11	60	12200	**MG9030154**	Price
5	5/8-11	80	12200	**MG9030155**	Price
5	5/8-11	120	12200	**MG9030156**	Price
6	5/8-11	40	10200	**MG9030162**	Price
6	5/8-11	60	10200	**MG9030164**	Price
6	5/8-11	80	10200	**MG9030165**	Price
6	5/8-11	120	10200	**MG9030166**	Price

TIGER Zirc Tiger Flap Disc - Aluminum Back



- Durable, self-sharpening zirconia alumina
- Type 29 angled style for weld blending, deburring, deflashing, edge chamfering, stock removal, and grinding and finishing in one step
- Aluminum backing for rigid support

Arbor Size (in.) - 5/8-11			
Dia. (in.)	Grit	Order No.	Price
4-1/2	36	**MK5150517**	Price
4-1/2	40	**MK5150518**	Price
4-1/2	60	**MK5150519**	Price
4-1/2	80	**MK5150520**	Price
4-1/2	120	**MK5150509**	Price

Arbor Size (in.) - 7/8			
Dia. (in.)	Grit	Order No.	Price
4-1/2	36	**MK5150512**	Price
4-1/2	40	**MK5150513**	Price
4-1/2	60	**MK5150514**	Price
4-1/2	80	**MK5150515**	Price
4-1/2	120	**MK5150516**	Price

TIGER BobCat® Quick Change 2 & 3" Abrasive Flap Discs - Zirconia



- BobCat flap discs outperform conventional quick change discs at least 19 to 1
- Ideal for grinding, deburring and blending steel and stainless metal fabrication
- Applications include aggressive and rapid stock removal
- Angled style for maximum contact
- Flat sytle for smoother grinding and enhanced conformability

Mount - R Dia. (in.) - 2					
		Type 27		Type 29	
Grit	RPM	Order No.	Price	Order No.	Price
36	30000	**MK5150956**	Price	**MK5150946**	Price
40	30000	**MK5150957**	Price	**MK5150947**	Price
60	30000	**MK5150958**	Price	**MK5150948**	Price
80	30000	**MK5150959**	Price	**MK5150949**	Price
120	30000	**MK5150960**	Price	**MK5150950**	Price

Mount - R Dia. (in.) - 3					
		Type 27		Type 29	
Grit	RPM	Order No.	Price	Order No.	Price
36	20000	**MK5150961**	Price	**MK5150951**	Price
40	20000	**MK5150962**	Price	**MK5150952**	Price
60	20000	**MK5150963**	Price	**MK5150953**	Price
80	20000	**MK5150964**	Price	**MK5150954**	Price
120	20000	**MK5150965**	Price	**MK5150955**	Price

Mount - S Dia. (in.) - 2					
		Type 27		Type 29	
Grit	RPM	Order No.	Price	Order No.	Price
36	30000	**MK5150932**	Price	**MK5150922**	Price
40	30000	**MK5150933**	Price	**MK5150923**	Price
60	30000	**MK5150934**	Price	**MK5150924**	Price
80	30000	**MK5150935**	Price	**MK5150925**	Price
120	30000	**MK5150936**	Price	**-**	-

Mount - S Dia. (in.) - 3							
		Type 27		Type 29		Type 29, S Mount	
Grit	RPM	Order No.	Price	Order No.	Price	Order No.	Price
36	20000	**MK5150912**	4.80	**MK5150902**	Price	**-**	-
40	20000	**MK5150913**	4.80	**MK5150903**	Price	**-**	-
60	20000	**MK5150914**	4.80	**-**	-	**MK5150904**	Price
80	20000	**MK5150915**	4.80	**-**	-	**MK5150905**	Price
120	20000	**MK5150916**	4.80	**-**	-	**MK5150906**	Price

Drive Mandrel MK5107766

WEILER 4-1/2" Flap Discs TIGER

Faster Grinding and Longer Life for Steel and Stainless Steel Metalworking



				Angled		Flat	
Dia. (in.)	Arbor Hole (in.)	Grit	RPM	Order No.	Price	Order No.	Price
4-1/2	5/8-11	36	13,000	**MK5151204**	Price	**-**	-
4-1/2	5/8-11	40	13,000	**MK5151205**	Price	**MK5151226**	Price
4-1/2	5/8-11	60	13,000	**MK5151206**	Price	**MK5151227**	Price
4-1/2	5/8-11	80	13,000	**MK5151207**	Price	**MK5151228**	Price
4-1/2	7/8	36	13,000	**MK5151200**	Price	**-**	-
4-1/2	7/8	40	13,000	**MK5151201**	Price	**MK5151223**	Price
4-1/2	7/8	60	13,000	**MK5151202**	Price	**MK5151224**	Price
4-1/2	7/8	80	13,000	**MK5151203**	Price	**MK5151225**	Price

TIGER PAW Tiger Paw Zirc Flap Discs - Phenolic Back



- High performance zirconium grain – tough and fast cutting, for heavy duty applications such as edge-grinding
- Engineered poly/cotton cloth – specifically designed for superior grain retention to eliminate premature shedding and maximize disc life
- Contaminant-free – Tiger Paw flap disc cloth contains 0.1% of iron, sulfur and chlorine
- Grind and finish in ONE STEP – Tiger Paw eliminates the need to switch from a grinding wheel to resin fiber disc
- 13,000 RPM
- Standard pack: 10 Pc.

Style - High Density				
Dia. (in.)	Hole Size (in.)	Grit	Order No.	Price
4-1/2	7/8	36	**MK5151160**	Price
4-1/2	7/8	40	**MK5151161**	Price
4-1/2	7/8	60	**MK5151162**	Price
4-1/2	7/8	80	**MK5151163**	Price
4-1/2	5/8-11	36	**MK5151164**	Price
4-1/2	5/8-11	40	**MK5151165**	Price
4-1/2	5/8-11	60	**MK5151166**	Price
4-1/2	5/8-11	80	**MK5151167**	Price

Style - Standard Density				
Dia. (in.)	Hole Size (in.)	Grit	Order No.	Price
4-1/2	7/8	36	**MK5151107**	Price
4-1/2	7/8	40	**MK5151108**	Price
4-1/2	7/8	60	**MK5151109**	Price
4-1/2	7/8	80	**MK5151110**	Price
4-1/2	5/8-11	36	**MK5151112**	Price
4-1/2	5/8-11	40	**MK5151113**	Price
4-1/2	5/8-11	60	**MK5151114**	Price
4-1/2	5/8-11	80	**MK5151115**	Price

Available in other sizes and grits. Also available in type 29.

TIGER 4-1/2" Saber Tooth™ Ceramic Flap Discs

Type 29 Trimmable Back



- Fast cut and long life
- Grinding aid prevents dulling and glazing
- Designed to work with heat sensitive materials such as aluminum, stainless steel, inconel, titanium and other hard-to-grind metals
- Maximum RPM 13,000
- Standard pack 10 Pc.

Abor Hole (in.)	Grit	Order No.	Price
7/8	40	**MK5150117**	Price
7/8	60	**MK5150118**	Price
7/8	80	**MK5150119**	Price
5/8-11	40	**MK5150121**	Price
5/8-11	60	**MK5150122**	Price
5/8-11	80	**MK5150123**	Price

WEILER 4-1/2" Zirconium Wolverine Flap Discs



- Ideal for a working angle of 15° - 25°
- Phenolic Backings
- High cut rate
- Type 29

Hole Size - 5/8-11				
Grit	RPM	Standard Pk.	Order No.	Price
40	12000	10	**MK5131390**	Price
60	12000	10	**MK5131409**	Price
80	12000	10	**MK5131410**	Price

Hole Size - 7/8				
Grit	RPM	Standard Pk.	Order No.	Price
36	13000	10	**MK5131343**	Price
40	13000	10	**MK5131387**	Price
60	13000	10	**MK5131345**	Price
60	13000	10	**MK5131388**	Price
80	13000	10	**MK5131389**	Price

Quick Change Flap Wheel

WSM 617



- This useful and versatile flapwheel makes metal finishing easier
- The WSM 617 has a solid center with a built-in 5/8-11 threaded hole for use on most angle grinders
- With this type of flapwheel, the larger surface area of the face is used, making it a quicker way to apply finishing touches or a unique decorative finish to your metal workpiece
- 13,300 Max RPM
- 4-1/2" x 3/4" x 5/8-11

Grit	Order No.	Price
40	**MM4445WSM617040**	Price
60	**MM4445WSM617060**	Price
80	**MM4445WSM617080**	Price
120	**MM4445WSM617120**	Price

Mandrel Mount Small Ceramic Flap Bands

New!



- Small diameter flap bands provide aggressive stock removal in confined spaces
- Ceramic grain for added durability
- More aggressive on stainless steel

Size (in.)	Grit	Order No.	Price
1-3/4 x 1-3/16	40	**MJ69152162**	Price
1-3/4 x 1-3/16	60	**MJ69152164**	Price
1-3/4 x 1-3/16	80	**MJ69152165**	Price
2-1/2 x 1-3/16	40	**MJ69152262**	Price
2-1/2 x 1-3/16	60	**MJ69152264**	Price
2-1/2 x 1-3/16	80	**MJ69152265**	Price
3 x 1-3/16	40	**MJ69152342**	Price
3 x 1-3/16	60	**MJ69152344**	Price
3 x 1-3/16	80	**MJ69152345**	Price
3-1/2 x 1-3/16	40	**MJ69152442**	Price
3-1/2 x 1-3/16	60	**MJ69152444**	Price
3-1/2 x 1-3/16	80	**MJ69152445**	Price

Aluminum Oxide Threaded Flap Wheels



- Quick mounting on 4-1/2" and 5" angle grinders
- Recommended for weld dressing, removing rust, paint, coatings and heat discoloration
- Works well for general purpose grinding on a wide variety of workpiece contours

New!

Dia. (in.)	Face Width (in.)	Grit	RPM	Order No.	Price
4-1/2	3/4	A40	13300	**MJ69325350**	Price
4-1/2	3/4	A60	13300	**MJ69325351**	Price
4-1/2	3/4	A80	13300	**MJ69325352**	Price
4-1/2	3/4	A120	13300	**MJ69325353**	Price

Mandrels for Flap Bands

New!



Dia. (in.)	Width (in.)	Order No.	Price
1-1/4	3/4	**MJ69150950**	Price
1-3/4	1-3/16	**MJ69150954**	Price
2-1/2	1-3/16	**MJ69150956**	Price
3	1-3/16	**MJ69150958**	Price
3-1/2	1-3/16	**MJ69150961**	Price

Zirconia Flap Bands



- Flap Bands act more aggressively than a flap wheel which reduces labor costs by removing material faster
- Requires less pressure than a flap wheel
- Easier to control than a carbide burr, virtually eliminating vibration, helping to relieve operator fatigue

Size (in.)	Grit	Std. Pack	Order No.	Price
1-1/4 x 3/4	40	10	**MJ69151022**	Price
1-1/4 x 3/4	60	10	**MJ69151024**	Price
1-1/4 x 3/4	80	10	**MJ69151025**	Price
1-1/4 x 3/4	120	10	**MJ69151027**	Price
1-3/4 x 1-3/16	40	10	**MJ69151162**	Price
1-3/4 x 1-3/16	60	10	**MJ69151164**	Price
1-3/4 x 1-3/16	80	10	**MJ69151165**	Price
1-3/4 x 1-3/16	120	10	**MJ69151167**	Price
2-1/2 x 1-3/16	40	10	**MJ69151262**	Price
2-1/2 x 1-3/16	60	10	**MJ69151264**	Price
2-1/2 x 1-3/16	80	10	**MJ69151265**	Price
2-1/2 x 1-3/16	120	10	**MJ69151267**	Price
3 x 1-3/16	40	10	**MJ69151342**	Price
3 x 1-3/16	60	10	**MJ69151344**	Price
3 x 1-3/16	80	10	**MJ69151345**	Price
3 x 1-3/16	120	10	**MJ69151347**	Price
3-1/2 x 1-3/16	40	10	**MJ69151442**	Price
3-1/2 x 1-3/16	60	10	**MJ69151444**	Price
3-1/2 x 1-3/16	80	10	**MJ69151445**	Price
3-1/2 x 1-3/16	120	10	**MJ69151447**	Price

Aluminum Oxide Flexible Flap Wheels

New!



Dia. (in.)	Face Width (in.)	Shank (in.)	Grit	RPM	Standard Pkg.	Order No.	Price
5/8	5/8	1/4	60	30000	10	**SP11FW1390604A**	Price
5/8	5/8	1/4	80	30000	10	**SP11FW1390804A**	Price
3/4	3/4	1/4	60	30000	10	**SP11FW1400604A**	Price
3/4	3/4	1/4	80	30000	10	**SP11FW1400804A**	Price
3/4	3/4	1/4	120	30000	10	**SP11FW1401204A**	Price
1	1	1/4	40	30000	10	**SP11FW1430404A**	Price
1	1	1/4	60	30000	10	**SP11FW1430604A**	Price
1	1	1/4	80	30000	10	**SP11FW1430804A**	Price
1	1	1/4	120	30000	10	**SP11FW1431204A**	Price
1-1/2	1	1/4	40	30000	10	**SP11FW1550404A**	Price
1-1/2	1	1/4	60	30000	10	**SP11FW1550604A**	Price
1-1/2	1	1/4	80	30000	10	**SP11FW1550804A**	Price
1-1/2	1	1/4	120	30000	10	**SP11FW1551204A**	Price
2	1	1/4	40	30000	10	**SP11FW1630404A**	Price
2	1	1/4	60	30000	10	**SP11FW1630604A**	Price
2	1	1/4	80	30000	10	**SP11FW1630804A**	Price
2	1	1/4	120	30000	10	**SP11FW1631204A**	Price
2-1/2	1	1/4	60	30000	10	**SP11FW1700604A**	Price
2-1/2	1	1/4	80	30000	10	**SP11FW1700804A**	Price
2-1/2	1	1/4	120	30000	10	**SP11FW1701204A**	Price
3	1	1/4	40	30000	10	**SP11FW1790404A**	Price
3	1	1/4	60	30000	10	**SP11FW1790604A**	Price
3	1	1/4	80	30000	10	**SP11FW1790804A**	Price
3	1	1/4	120	30000	10	**SP11FW1791204A**	Price

Ceramic Mounted Flap Wheels

New!



- Ceramic grain with a grinding aid to reduce heat on hard materials like stainless steel, titanium, nickel and alloys
- Self sharpening grain is aggressive, while the cotton backing also helps dissipate the heat
- Applications include food processing equipment, turbines and castings

					SX120		SX60		SX80	
Dia. (in.)	Face Width (in.)	Shank Size (in.)	RPM	Std. Pack	Order No.	Price	Order No.	Price	Order No.	Price
1-1/2	1	1/4	30000	10	**MJ69112487**	Price	**MJ69112484**	Price	**MJ69112485**	Price
2	1	1/4	25000	10	**MJ69112547**	Price	**MJ69112544**	Price	**MJ69112545**	Price
3	1	1/4	20000	10	**MJ69112647**	Price	**MJ69112644**	Price	**MJ69112645**	Price

Flap Wheels

1/4" & 1/4"-20 Shank



- 1/4" and 1/4-20 shank mounted flap wheels featuring quality aluminum oxide coated abrasive material. The flaps, arranged like a fan around the shaft of the tool, provide for consistent cutting action, maximum performance and long life
- Applications: all ferrous and non-ferrous materials, stainless steel, iron, brass, aluminum, plastic, fiberglass, wood and glass. Excellent for working in small, difficult to reach places
- 10 Per carton

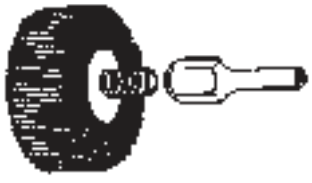
Shank Size - 1/4							
				CGW		Merit	
Dia. (in.)	Face Width (in.)	Grit	RPM	Order No.	Price	Order No.	Price
3/4	3/4	60	30000	**MH5014060**	Price	**MM5937865**	Price
3/4	3/4	80	30000	**MH5014080**	Price	**MM5937841**	Price
3/4	3/4	120	30000	**MH50140120**	Price	**MM5937842**	Price
3/4	3/4	180	30000	**MH50140180**	Price	**MM5937868**	Price
3/4	3/4	240	30000	**MH50140240**	Price	**MM5937844**	Price
3/4	3/4	320	30000	**MH50140320**	Price	**MM5937870**	Price
1	5/8	60	30000	**MH5014160**	Price	**-**	-
1	5/8	80	30000	**MH5014180**	Price	**-**	-
1	5/8	120	30000	**MH50141120**	Price	**-**	-
1	1	40	30000	**MH5014340**	Price	**-**	-
1	1	60	30000	**MH5014360**	Price	**MM5937310**	Price
1	1	80	30000	**MH5014380**	Price	**MM5937311**	Price
1	1	120	30000	**MH50143120**	Price	**MM5937312**	Price
1	1	180	30000	**MH50143180**	Price	**MM5937313**	Price
1	1	240	30000	**MH50143240**	Price	**MM5937114**	Price
1	1	320	30000	**MH50143320**	Price	**MM5937315**	Price
1-1/2	1/2	60	25000	**MH5014960**	Price	**MM5937130**	Price
1-1/2	1/2	80	25000	**MH5014980**	Price	**MM5937131**	Price
1-1/2	1/2	120	25000	**MH50149120**	Price	**MM5937132**	Price
1-1/2	1/2	180	25000	**MH50149180**	Price	**MM5937133**	Price
1-1/2	1/2	240	25000	**MH50149240**	Price	**MM5937134**	Price
1-1/2	1	60	25000	**MH5015560**	Price	**MM5937340**	Price
1-1/2	1/2	320	25000	**MH50149320**	Price	**-**	-
1-1/2	1	80	25000	**MH5015580**	Price	**MM5937141**	Price
1-1/2	1	120	25000	**MH50155120**	Price	**MM5937142**	Price
1-1/2	1	40	25000	**MH5015540**	Price	**-**	-
2	1	60	25000	**MH5016360**	Price	**MM5937370**	Price
2	1	80	25000	**MH5016380**	Price	**MM5937371**	Price
2	1	120	25000	**MH50163120**	Price	**MM5937372**	Price
2-1/2	1	60	20000	**MH5017160**	Price	**MM5937410**	Price
2-1/2	1	80	20000	**MH5017180**	Price	**MM5937411**	Price
2-1/2	1	120	20000	**MH50171120**	Price	**MM5937412**	Price
1-1/2	1	180	25000	**MH50155180**	Price	**MM5937343**	Price
3	1	60	20000	**MH5017960**	Price	**MM5937450**	Price
1-1/2	1	240	25000	**MH50155240**	Price	**MM5932101**	Price
2-1/2	1	180	20000	**-**	-	**MM5937413**	Price
3	1	80	20000	**MH5017980**	Price	**MM5937451**	Price
1-1/2	1	320	25000	**MH50155320**	Price	**MM5937145**	Price
3	1	120	20000	**MH50179120**	Price	**MM5937252**	Price
2	1/2	60	25000	**MH5015960**	Price	**MM5937350**	Price
2	1/2	80	25000	**MH5015980**	Price	**MM5937151**	Price
2	1/2	120	25000	**MH50159120**	Price	**MM5937152**	Price
2	1/2	180	25000	**MH50159180**	Price	**MM5937353**	Price

Shank Size - 1/4							
				CGW		Merit	
Dia. (in.)	Face Width (in.)	Grit	RPM	Order No.	Price	Order No.	Price
2	1/2	240	25000	**MH50159240**	Price	**MM5937354**	9.30
2	1/2	320	25000	**MH50159320**	Price	**MM5937355**	Price
2	1	40	25000	**MH5016340**	Price	**-**	-
2	1	180	25000	**MH50163180**	Price	**MM5937373**	Price
2	1	240	25000	**MH50163240**	Price	**MM5937374**	Price
2	1	320	25000	**MH50163320**	Price	**MM5937375**	Price
2	1-1/2	40	25000	**MH5016540**	Price	**-**	-
2	1-1/2	60	25000	**MH5016560**	Price	**-**	-
2	1-1/2	80	25000	**MH5016580**	Price	**-**	-
2	1-1/2	120	25000	**MH50165120**	Price	**-**	-
2-1/2	1/2	60	20000	**MH5016760**	Price	**MM5937400**	Price
2-1/2	1/2	120	20000	**MH50167120**	Price	**MM5937202**	Price
2-1/2	1	240	20000	**MH50171240**	Price	**MM5937633**	Price
2-1/2	1	320	20000	**MH50171320**	Price	**MM5937415**	Price
2-1/2	1-1/2	80	20000	**MH5017380**	Price	**-**	-
2-1/2	1-1/2	60	20000	**MH5017360**	Price	**-**	-
3	1/2	60	20000	**MH5017560**	Price	**MM5937230**	Price
3	1/2	80	20000	**MH5017580**	Price	**MM5937231**	Price
3	1/2	120	20000	**MH50175120**	Price	**-**	-
3	1/2	180	20000	**MH50175180**	Price	**MM5937433**	Price
3	1/2	240	20000	**MH50175240**	Price	**MM5937235**	Price
3	1/2	320	20000	**MH50175320**	Price	**MM5937287**	Price
3	1	40	20000	**MH5017940**	Price	**-**	-
3	1	180	20000	**MH50179180**	Price	**MM5937253**	Price
3	1	240	20000	**MH50179240**	Price	**MM5935339**	Price
3	1	320	20000	**MH50179320**	Price	**MM5935341**	Price
3	1-1/2	60	20000	**MH5018160**	Price	**MM5930686**	Price
3	1-1/2	80	20000	**MH5018180**	Price	**-**	-
3	1-1/2	180	20000	**MH50181180**	Price	**MM5930683**	Price
3	1-1/2	240	20000	**MH50181240**	Price	**MM5930684**	Price
3	1-1/2	320	20000	**MH50181320**	Price	**MM5943880**	Price
3	2	40	20000	**MH5018540**	Price	**-**	-
3	2	60	20000	**MH5018560**	Price	**-**	-
3	2	80	20000	**MH5018580**	Price	**-**	-
3	2	120	20000	**MH50185120**	Price	**-**	-
2-1/2	1-1/2	120	20000	**MH50173120**	Price	**-**	-
3	1-1/2	120	20000	**MH50181120**	Price	**-**	-

Shank Size - 1/4-20					
				CGW	
Dia. (in.)	Face Width (in.)	Grit	RPM	Order No.	Price
1	1	40	30000	**MH5014240**	Price
1	1	60	30000	**MH5014260**	Price
1	1	80	30000	**MH5014280**	Price
1	1	120	30000	**MH50142120**	Price
1-1/2	1	60	25000	**MH5015460**	Price
1-1/2	1	80	25000	**MH5015480**	Price
1-1/2	1	120	25000	**MH50154120**	Price
2	1	40	25000	**MH5016240**	Price
2	1	60	25000	**MH5016260**	Price
2	1	80	25000	**MH5016280**	Price
2	1	120	25000	**MH50162120**	Price
2-1/2	1	60	20000	**MH5017060**	Price
2-1/2	1	80	20000	**MH5017080**	Price
2-1/2	1	120	20000	**MH50170120**	Price
3	1	60	20000	**MH5017860**	Price
3	1	80	20000	**MH5017880**	Price
3	1	120	20000	**MH50178120**	Price

Adaptors for Small Diameter Flap Wheels

- For converting 1/4-20 threaded shank to 1/4" straight shank



Shank Size (in.)	Order No.	Price
1/4 x 1	**MH61A43318**	Price
1/4 x 4	**MH61A43319**	Price

Unmounted Flap Wheels



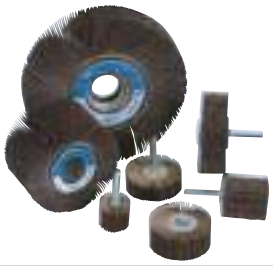
- Long wearing
- Aluminum oxide
- Resin bond cloth
- Designed for finishing, smoothing and polishing metal surfaces

				Merit		Value Priced	
Dia. (in.)	Face Width (in.)	Hole Size (in.)	Grit	Order No.	Price	Order No.	Price
4	1	5/8	120	**-**	-	**MH5041120**	Price
4	1	5/8	60	**-**	-	**MH504160**	Price
4	1	5/8	80	**-**	-	**MH504180**	Price
6	1	1	120	**MM5921560**	Price	**MH5061120**	Price
6	1	1	60	**MM5921558**	Price	**MH506160**	Price
6	1	1	80	**MM5921559**	Price	**MH506180**	Price
-	-	1	-	**-**	-	**MH5062120**	Price
6	2	1	60	**-**	-	**MH506260**	Price
6	2	1	80	**-**	-	**MH506280**	Price

Aluminum Oxide Flap Wheels Metalite R265 - Large and Small Diameter

Small Diameter Flap Wheels





- New Metalite R265 material
- Designed to deliver a consistent finish with a uniform rate of cut
- As the flap wheel wears fresh abrasive is continously exposed
- Provides excellent balance and a smooth, chatter-free finish
- Excellent conformability
- Small diameter flap wheels supplied in either 1/4" shank or 1/4-20 threaded shank (see chart below)
- **10% Discount for Standard Pack Quantity**

					1/4		1/4-20	
Dia. (in.)	Face Width (in.)	Grit Size	RPM	Std. Pkg.	Order No.	Price	Order No.	Price
1	5/8	60	30000	20	**MH61FW0102576**	Price	**MH61FW0102624**	Price
1	5/8	80	30000	20	**MH61FW0102577**	Price	**MH61FW0102625**	Price
1	5/8	120	30000	20	**MH61FW0102578**	Price	**MH61FW0102626**	Price
1	1	60	30000	20	**MH61FW0102580**	Price	**MH61FW0102628**	Price
1	1	80	30000	20	**MH61FW0102581**	Price	**MH61FW0102629**	Price
1	1	120	30000	20	**MH61FW0102582**	Price	**MH61FW0102630**	Price
1	1	180	30000	20	**MH61FW0102583**	Price	-	-
1-3/8	5/8	60	30000	20	**MH61FW0102584**	Price	**MH61FW0102632**	Price
1-3/8	5/8	80	30000	20	**MH61FW0102585**	Price	**MH61FW0102633**	Price
1-3/8	5/8	120	30000	20	-	-	**MH61FW0102634**	Price
1-5/8	1/2	60	23000	20	-	-	**MH61FW0102635**	Price
1-5/8	1	80	23000	20	-	-	**MH61FW0102639**	Price
1-5/8	1	120	23000	20	-	-	**MH61FW0102640**	Price
2	1/2	60	23000	20	**MH61FW0202596**	Price	**MH61FW0202642**	Price
2	1/2	80	23000	20	**MH61FW0202597**	Price	**MH61FW0202643**	Price
2	1/2	120	23000	20	-	-	**MH61FW0202644**	Price
2	1/2	180	23000	20	-	-	**MH61FW0202645**	Price
2	1	60	23000	20	**MH61FW0202600**	Price	**MH61FW0202646**	Price
2	1	80	23000	20	**MH61FW0202601**	Price	**MH61FW0202647**	Price
2	1	120	23000	20	**MH61FW0202602**	Price	**MH61FW0202648**	Price
2	1	180	23000	20	**MH61FW0202603**	Price	-	-
2-1/2	1/2	60	23000	20	**MH61FW0202604**	Price	-	-
2-1/2	1/2	80	23000	20	**MH61FW0202605**	Price	**MH61FW0202651**	Price
2-1/2	1/2	180	23000	20	**MH61FW0202607**	Price	-	-
2-1/2	1	60	23000	20	**MH61FW0202608**	Price	**MH61FW0202654**	Price
2-1/2	1	80	23000	20	**MH61FW0202609**	Price	**MH61FW0202655**	Price
2-1/2	1	120	23000	20	**MH61FW0202610**	Price	**MH61FW0202656**	Price
3	1/2	60	20000	20	**MH61FW0302612**	Price	**MH61FW0302658**	Price
3	1/2	80	20000	20	**MH61FW0302613**	Price	**MH61FW0302659**	Price
3	1/2	120	20000	20	**MH61FW0302614**	Price	**MH61FW0302660**	Price
3	3/4	120	20000	20	-	-	**MH61FW0302663**	Price
3	1	60	20000	20	**MH61FW0302620**	Price	**MH61FW0302664**	Price
3	1	80	20000	20	**MH61FW0302621**	Price	**MH61FW0302665**	Price
3	1	120	20000	20	**MH61FW0302622**	Price	**MH61FW0302666**	Price

Large Diameter Flap Wheels





Dia. (in.)	Face Width (in.)	Hole Size (in.)	Grit	RPM	Std. Pkg. Qty.	Order No.	Price
3-1/2	1	5/8	120	12000	10	**MH61FW0302670**	Price
3-1/2	1	5/8	60	12000	10	**MH61FW0302668**	Price
3-1/2	1	5/8	80	12000	10	**MH61FW0302669**	Price
3-1/2	2	5/8	80	12000	10	**MH61FW0302672**	Price
4	1	5/8	120	12000	10	**MH61FW0402675**	Price
4	1	5/8	60	12000	10	**MH61FW0402673**	Price
4	1	5/8	80	12000	10	**MH61FW0402674**	Price
4	2	5/8	60	12000	10	**MH61FW0402677**	Price
5	1	5/8	80	6200	5	**MH61FW0502678**	Price
6	1	1	120	6200	5	**MH61FW0602682**	Price
6	1	1	60	6200	5	**MH61FW0602680**	Price
6	1	1	80	6200	5	**MH61FW0602681**	Price
6	1-1/2	1	120	6200	5	**MH61FW0602688**	Price
6	1-1/2	1	60	6200	5	**MH61FW0602686**	Price
6	1-1/2	1	80	6200	5	**MH61FW0602687**	Price
6	2	1	120	6200	5	**MH61FW0602694**	Price
6	2	1	60	6200	5	**MH61FW0602691**	Price
6	2	1	80	6200	5	**MH61FW0602692**	Price
6	3	1	80	6200	5	**MH61FW0602696**	Price
8	1	1	120	4700	3	**MH61FW0802699**	Price
8	1	1	60	4700	3	**MH61FW0802697**	Price
8	1	1	80	4700	3	**MH61FW0802698**	Price
8	2	1	60	4700	3	**MH61FW0802700**	Price
8	2	1	80	4700	3	**MH61FW0802701**	Price

Reducing Bushing for 3-1/2" - 8" Flap Wheels

(Reduces 1" Center Hole)



Reduces Arbor Size To (in.)	Order No.	Price
1/2	**MH61A59437**	Price
5/8	**MH61A59438**	Price
3/4	**MH61A59439**	Price
7/8	**MH61A59440**	Price

Mini Flap Wheels

- All Mini Wheels have 1/8" shank
- 10 Wheels per box



SHUR-KUT MERIT

			Generic USA		Merit	
Dia. (in.)	Face Width (in.)	Grit	Order No.	Price	Order No.	Price
3/8	3/8	80	**MH5024791**	Price	**MM5937471**	Price
3/8	3/8	120	**MH5024802**	Price	**MM5937472**	Price
3/8	3/8	180	**MH5024803**	Price	**MM5937473**	Price
3/8	3/8	240	**MH5024804**	Price	**MM5937474**	Price
5/8	5/8	80	**MH5024806**	Price	**MM5937481**	Price
5/8	5/8	120	**MH5024807**	Price	**MM5937482**	Price
5/8	5/8	180	**MH5024808**	Price	**MM5937483**	Price
5/8	5/8	240	**MH5024809**	Price	**MM5937484**	Price
3/4	3/4	80	**MH5024821**	Price	**MM5937591**	Price

SHUR-KUT MERIT

			Generic USA		Merit	
Dia. (in.)	Face Width (in.)	Grit	Order No.	Price	Order No.	Price
3/4	3/4	120	**MH5024822**	Price	**MM5937592**	Price
3/4	3/4	180	**MH5024823**	Price	**MM5937593**	Price
3/4	3/4	240	**MH5024824**	Price	**MM5937594**	Price
1-3/16	1/8	80	**MH5024826**	Price	**MM5937491**	Price
1-3/16	1/8	120	**MH5024827**	Price	**MM5937492**	Price
1-3/16	1/8	180	**MH5024828**	Price	**MM5937493**	Price
1-3/16	1/8	240	**MH5024829**	Price	**MM5937494**	Price
1-3/16	3/16	80	**MH5024832**	Price	**MM5937501**	Price
1-3/16	3/16	120	**MH5024833**	Price	**MM5937502**	Price
1-3/16	3/16	180	**MH5024834**	Price	**MM5937503**	Price
1-3/16	3/16	240	**MH5024835**	Price	**MM5937504**	Price

Quick Change Discs/Holder Mounting Types

Quick Change TS System: Metal-to-Metal quick change system. Disc has a female screw type button and holder has a male socket. Also known as SocAtt, Type II, Type S, Turn-on, TS, Speedlok TS, Roloc TS/TSM



Quick Change TR System: Features a common nylon threaded (screw type) male hub and holder has a metal female socket. Also known as Lockit, Type III, Type R, Rol-on, TR, Speedlok TR, Roloc TR.



Quick Change TP System: Features a snap-on/snap-off nylon fastening hub and holder. Also known as ClickOn, Type I, Type TP, Snap-on, TP, Speedlok TP, Roloc TP.



Quick Change Disc Holder Pads



	Turn-On		Rol-On		Snap-On	
Dia. (in.)	Order No.	Price	Order No.	Price	Order No.	Price
1	**MM5964651**	Price	**MM5964037**	Price	**MM5964002**	Price
2	**MM5964198**	Price	**MM5964922**	Price	**MM5964004**	Price
3	**MM5964113**	Price	**MM5964949**	Price	**MM5964005**	Price
1-1/2	**MM5964146**	Price	**MM5961174**	Price	**MM5964003**	Price

SURF PRO Air Cooled Quick Change Holder Pads


Type S


Type R

- Serated pad air cools disc for reduced loading and longer disc life
- Multiple mounting option available

Dia. (in.)	Style	Maximum RPM	Order No.	Price
1-1/2	Type R Air Cooled QC Holder Pad Mandrel	30000	**SP24QCH15TR14SC**	Price
1-1/2	Type S Air Cooled QC Holder Pad Mandrel	30000	**SP24QCH15TS14SC**	Price
2	Type R Air Cooled QC Holder Pad Mandrel	30000	**SP24QCH20TR14SC**	Price
2	Type S Air Cooled QC Holder Pad Mandrel	30000	**SP24QCH20TS14SC**	Price
3	Type R Air Cooled QC Holder Pad Kit †	20000	**SP24HK3TR14M58A**	Price
3	Type R Air Cooled QC Holder Pad Mandrel	20000	**SP24QCH30TR14SC**	Price
4	Type R Air Cooled QC Holder Pad Mandrel	15000	**SP24QCH40TR14SC**	Price
4	Type S Air Cooled QC Holder Pad Mandrel	15000	**SP24QCH40TS14SC**	Price
3	Type S Air Cooled QC Holder Pad Mandrel	20000	**SP24QCH30TS14SC**	Price
3/8-24	Arbor Adapter	30000	**SP24A3824F1420M**	Price
5/8-11	Arbor Adapter	30000	**SP24A5811F1420M**	Price



† Kit Contains: 3" Typre R Holder, 1/4-20 x 2" Mandrel, 5/8-11 F to 1/4-20 M Arbor Adaptor

Air Cooled Standard Back Up Pads

- Slotted hub design and curved ribs draw heat away from the grinding zone, reducing disc loading and increasing life
- All pads have a 5/8-11 threaded female hub for mounting
- Also offer a no-nose for shorter shafted angle grinders
- Standard Pack 5



Style - Standard Type - Backup Pad				
Dia. (in.)	Hardness	RPM	Order No.	Price
4	Medium	12,000	**MH62A04918**	Price
4-1/2	Medium	11,000	**MH62A02122**	Price
5	Medium	10,000	**MH61A43421**	Price
7	Hard	8,600	**MH61A43425**	Price
7	Medium	8,600	**MH61A43422**	Price
9	Hard	6,600	**MH62A43426**	Price
9	Medium	6,600	**MH62A43423**	Price

Style - 66NS Short Retainer Nut Type - Tools	
Order No.	Price
MH61A43461	Price

Style - No Nose Type - Backup Pad				
Dia. (in.)	Hardness	RPM	Order No.	Price
4-1/2	Medium	11,000	**MH62A04872**	Price
5	Medium	10,000	**MH62A03000**	Price

Style - No. 103 Retainer Nut Type - Tools	
Order No.	Price
MH61A43463	Price

Polypropylene Back-up Pads

- Polypropylene back-up pads for use with medium to fine grits
- Spiral ribs provide contact points and form channels for air flow, extending disc life



Dia. (in.)	Hole Size (in.)	RPM	Order No.	Price
4-1/2	5/8	11,000	**MM6645009**	Price
5	7/8	10,000	**MM6650019**	Price
7	7/8	7,000	**MM6670006**	Price

Air Cooled Backing Pads

For Resin Fiber Discs



- Rubberized backing pads are ideal for all sanding operations on metal, plastic, fiberglass etc
- Raised ridge design allows for cooler cutting and extended disc life

Dia. (in.)	Arbor Mount	Order No.	Price
4-1/2	5/8	**MM9244003**	Price
5	5/8-11	**MM9244006**	Price
7	5/8-11	**MM9244009**	Price

Rubber Back-Up Pads



- Rubber back-up pads for use with coarse grits
- Spiral ribs provide contact points and form channels for air flow, extending disc life 30% to 50%
- Larger air holes provide cooler operating and longer abrasive disc life
- Pad size meets ANIS B186.1 standards
- Smooth face pads are excellent for general purpose aplications
- Nut not included

Description - Rol-On			
Size (in.)	**Type**	**Order No.**	**Price**
2 x 1/4	Medium	**MG9059732**	Price
3 x 1/4	Medium	**MG9059734**	Price

Description - Rubber with Smooth Bore & Spiral Pattern			
Size (in.)	**Type**	**Order No.**	**Price**
4-1/2	Medium	**MG9049521**	Price

Description - Rubber with Smooth Face			
Size (in.)	**Type**	**Order No.**	**Price**
4-1/2 x 5/8-11	Medium	**MG9049508**	Price
7 x 5/8-11	Medium	**MG9049506**	Price

Description - Rubber with Standard Spiral Pattern			
Size (in.)	**Type**	**Order No.**	**Price**
4-1/2 x 5/8-11	Medium	**MG9048220**	Price
5 x 5/8-11	Medium	**MG9048221**	Price
7 x 5/8-11	Flexible	**MG9049510**	Price
7 x 5/8-11	Medium	**MG9048222**	Price
7 x 5/8-11	Ridgid	**MG9049511**	Price
9 x 5/8-11	Medium	**MG9048239**	Price

Description - Turn-On			
Size (in.)	**Type**	**Order No.**	**Price**
2 x 1/4	Medium	**MG9059733**	Price
3 x 1/4	Medium	**MG9059735**	Price

Polypropylene Back-Up Pad



- Polypropylene back-up pads for use with medium to fine grits
- Spiral ribs provide contact points and form channels for air flow, extending disc life 30% to 50%

Size (in.)	Type	Order No.	Price
4-1/2	Medium	**MG9036204**	Price
5	Medium	**MG9036205**	Price
7	Medium	**MG9036206**	Price

Back-Up Pad Accesories

Description	Order No.	Price
5/8"-11 Locking Pad Nut and 1-1/2" Flange Nut w/ Hole	**MG9048223**	Price
5/8"-11 Locking Pad Nut and 2" Flange Nut w/ Hole	**MG9049530**	Price

Disc Holders

For adhesive back discs
Used on Hi-Speed portable disc sanders



Dia. (in.)	Shank Size (in.)	Order No.	Price
1	1/4	**MM58001**	Price
2	1/4	**MM58002**	Price
3	1/4	**MM58003**	Price

Fibre Disc Back-Up Pads

Disc Pad Hub:



- Plastic hub with 5/8-11 metal insert for use with 3M disc pad face plates
- Hubs shown are 2-1/2” for use with all 3M disc pad plates
- TM1188743 is for use on tools with shaft length 1/2” or less

Disc Pad Plate:



- Back-up plates for fibre discs. For use with 3M disc pad hubs
- Ribbed plates provide cooler running of the disc
- Plates shown are hard (black) for heavier stock removal applications

Description	Order No.	Price
2-1/2" Dia. for use with all size face plates, tool shaft length 1/2" or less	**TM1188743**	Price
2-1/2" Dia. for use with all size face plates.	**TM1145205**	Price
4/1/2" Smooth Face Plate, max RPM 13,000	**TM1114270**	Price
5" Ribbed Plate. max RPM 12,000	**TM1181733**	Price
7" Ribbed Plate, max RPM 8,600	**TM1180515**	Price

AVOS Edger Speed-Lok Back-Up Pads



Disc Size (in.)	Hole Size	Order No.	Price
5	5/8-11	**MH61A02517**	Price
7	5/8-11	**MH61A04874**	Price
4-1/2	5/8-11	**MH61A02985**	Price

Flat Head Wheel Arbors

- Left hand threaded arbor
- “Flat Head” style allows mounting between a single washer and the flat-head
- For mounting wire wheel brushes & other abrasive finishing products
- Rust proof finish



Fits Arbor Hole (in.)	Wheel Width Up to (in.)	Shank Dia. (in.)	OAL (in.)	Order No.	Price
1/2	1/2	1/4	2-5/16	**MM54FHL30**	Price
1/2	3/8	1/4	1-7/8	**MM54FHL25X**	Price
1/2	7/8	1/4	2-5/16	**MM54FHL30X**	Price
1/4	3/4	3/16	1-3/4	**MM54FHL8X**	Price
3/8	3/8	1/4	1-5/8	**MM54FHL10X**	Price
5/8	3/8	1/4	1-7/8	**MM54FHL50X**	Price

SURF PRO® Resin Fibre Discs



- Excellent economical discs for all shop applications
- Long lasting aluminum oxide and zirconia alumina grains
- These fibre discs feature a full resin bond system with a heavy duty fibre backing for increased strength, durability and tear resistance
- Aluminum oxide versatile abrasive for general purpose applications, X weight cloth back
- Zirconia alumina recommended for removal and finish on ferrous and non-ferrous metals, X weight polyester back

		Aluminum Oxide		Zirconia	
Dia. (in.)	Grit	Order No.	Price	Order No.	Price
4-1/2	16	**SP11RF45A45016A**	Price	**SP11RF45A45016Z**	Price
4-1/2	24	**SP11RF45A45024A**	Price	**SP11RF45A45024Z**	Price
4-1/2	36	**SP11RF45A45036A**	Price	**SP11RF45A45036Z**	Price
4-1/2	50	**SP11RF45A45050A**	Price	**SP11RF45A45050Z**	Price
4-1/2	60	**SP11RF45A45060A**	Price	**SP11RF45A45060Z**	Price
4-1/2	80	**SP11RF45A45080A**	Price	**SP11RF45A45080Z**	Price
4-1/2	100	**SP11RF45A45100A**	Price	-	-
4-1/2	120	**SP11RF45A45120A**	Price	-	-
5	16	**SP11RF50A50016A**	Price	**SP11RF50A50016Z**	Price
5	24	**SP11RF50A50024A**	Price	**SP11RF50A50024Z**	Price
5	36	**SP11RF50A50036A**	Price	**SP11RF50A50036Z**	Price
5	50	**SP11RF50A50050A**	Price	**SP11RF50A50050Z**	Price
5	60	**SP11RF50A50060A**	Price	**SP11RF50A50060Z**	Price
5	80	**SP11RF50A50080A**	Price	**SP11RF50A50080Z**	Price
5	100	**SP11RF50A50100A**	Price	-	-
5	120	**SP11RF50A50120A**	Price	-	-
7	16	**SP11RF70A70016A**	Price	**SP11RF70A70016Z**	Price
7	24	**SP11RF70A70024A**	Price	**SP11RF70A70024Z**	Price
7	36	**SP11RF70A70036A**	Price	**SP11RF70A70036Z**	Price
7	50	**SP11RF70A70050A**	Price	**SP11RF70A70050Z**	Price
7	60	**SP11RF70A70060A**	Price	**SP11RF70A70060Z**	Price
7	80	**SP11RF70A70080A**	Price	**SP11RF70A70080Z**	Price
7	100	**SP11RF70A70100A**	Price	-	-
7	120	**SP11RF70A70120A**	Price	-	-

NORTON SAINT-GOBAIN GreenLyte Plus SG F986 Fibre Discs



Features:
- Premium, dense, self-sharpening SG ceramic abrasive grain with a unique coating design
- F986 has a self-lubricating, supersizing treatment
- 7″ & 9-1/8″ discs have doming design

Benefits:
- Faster initial cut rate, longer life & improved finishes versus competitive ceramic
- Greatest productivity vs. any fibre & lowest total cost
- Greatest Chip clearance; minimal loading
- Superb on stainless steel & steel alloys
- Ideal for edges & corners
- Better shape control; resists curling

Dia. (in.)	Hole (in.)	Grit	Std. Pkg.	Order No.	Price
4-1/2	7/8	60	25	**MH61D0408467**	Price
9	7/8	80	25	**MH61D0908452**	Price
4-1/2	7/8	36	25	**MH61D0441305**	Price
4-1/2	7/8	50	25	**MH61D0441304**	Price
7	7/8	24	25	**MH61D0710006**	Price
7	7/8	50	25	**MH61D0741294**	Price
7	7/8	60	25	**MH61D0741293**	Price
7	7/8	80	25	**MH61D0741292**	Price

Quick Change Resin Fiber Discs

Aluminum Oxide Zirconia (Blue in Color)



- 5/8-11 Arbor fits most grinders
- Eliminates excessive hardware
- Increases productivity – reduces downtime
- 25 Pcs. per carton

Dia. (in.) - 5				
	Aluminum Oxide		Zirconia	
Grit	Order No.	Price	Order No.	Price
24	**MM65524**	Price	**MM65B524**	Price
36	**MM65536**	Price	**MM65B536**	Price
50	**MM65550**	Price	**MM65B550**	Price
60	**MM65560**	Price	**MM65B560**	Price
80	**MM65580**	Price	**MM65B580**	Price

Dia. (in.) - 7				
	Aluminum Oxide		Zirconia	
Grit	Order No.	Price	Order No.	Price
24	**MM65724**	Price	**MM65B724**	Price
36	**MM65736**	Price	**MM65B736**	Price
50	**MM65750**	Price	**MM65B750**	Price
60	**MM65760**	Price	**MM65B760**	Price
80	**MM65780**	Price	**MM65B780**	Price

NORTON SAINT-GOBAIN Ceramic Grain Resin Fiber Disc

- Cool cutting next generation SG Blaze F980 Ceramic Grain with “supersize” grinding aid provides fast cut rate and better part finish
- Y weight polyester backing for longer disc life, durability and added aggressiveness



Dia. (in.)	Hole (in.)	Material	Grit	Std. Pkg.	Order No.	Price
4-1/2	7/8	Ceramic Alumina	24	25	**MH61D0498000**	Price
4-1/2	7/8	Ceramic Alumina	36	25	**MH61D0498001**	Price
4-1/2	7/8	Ceramic Alumina	50	25	**MH61D0498002**	Price
4-1/2	7/8	Ceramic Alumina	60	25	**MH61D0498003**	Price
4-1/2	7/8	Ceramic Alumina	80	25	**MH61D0498004**	Price
4-1/2	7/8	Ceramic Alumina	120	25	**MH61D0425332**	Price

MERIT Abrasive Fibre Discs

The industry's most complete fibre disc offering: long lasting aluminum oxide and zirconia alumina grains. These fibre discs feature a full resin bond system with a heavy duty fibre backing for increased strength, durability and tear resistance.

- **Merit Abrasive Fibre Discs:** Excellent economical discs for all shop applications
- **Norton Abrasive Fibre Discs:** Premier Discs for production metal finishing
- **Aluminum Oxide:** Versatile abrasive for general purpose applications, X Weight cloth back
- **Zirconia Alumina:** Recommended for removal and finish on ferrous and non-ferrous metals, X weight polyester back
- 7/8 Arbor hole
- Standard package 25 pc.



Aluminum Oxide



Zirconia Alumina

Material - Aluminum Oxide Trade Name - Metal			
Dia. (in.)	Grit	Order No.	Price Ea.
4-1/2	24	**MM5953309**	Price
4-1/2	36	**MM5953306**	Price
4-1/2	50	**MM5953310**	Price
4-1/2	60	**MM5953311**	Price
4-1/2	80	**MM5953312**	Price
4-1/2	100	**MM5953313**	Price
4-1/2	120	**MM5953314**	Price
5	36	**MM5957277**	Price
5	50	**MM5957278**	Price
5	60	**MM5957279**	Price
5	80	**MM5957280**	Price
5	100	**MM5957281**	Price
5	120	**MM5957282**	Price
7	36	**MM5957284**	Price
7	60	**MM5957286**	Price
7	80	**MM5957287**	Price
7	120	**MM5957289**	Price

Material - Aluminum Oxide Trade Name - Metallite			
Dia. (in.)	Grit	Order No.	Price Ea.
4-1/2	24	**MH61D0433519**	Price
5	16	**MH61D0533617**	Price
5	24	**MH61D0533615**	Price
5	50	**MH61D0533605**	Price
5	60	**MH61D0533600**	Price
5	80	**MH61D0533595**	Price
5	100	**MH61D0533590**	Price
5	120	**MH61D0533585**	Price
7	16	**MH61D0733760**	Price
7	36	**MH61D0733750**	Price
7	80	**MH61D0733735**	Price
7	100	**MH61D0733730**	Price

Material - Aluminum Oxide Trade Name - Neon			
Dia. (in.)	Grit	Order No.	Price Ea.
4-1/2	36	**MH61D0495008**	Price
4-1/2	60	**MH61D0495010**	Price
4-1/2	80	**MH61D0495011**	Price
4-1/2	100	**MH61D04095012**	Price
4-1/2	120	**MH61D0495013**	Price
5	36	**MH61D0595017**	Price
5	60	**MH61D0595019**	Price
7	24	**MH61D0795029**	Price

Material - Aluminum Oxide Trade Name - Neon			
Dia. (in.)	Grit	Order No.	Price Ea.
7	36	**MH61D0795030**	Price
7	50	**MH61D0795031**	Price
7	60	**MH61D0795032**	Price
7	80	**MH61D0795033**	Price

Material - Ceramic Alumina Trade Name - Bluefire			
Dia. (in.)	Grit	Order No.	Price Ea.
4-1/2	24	**MH61D0438457**	Price
4-1/2	36	**MH61D0438456**	Price
4-1/2	40	**MH61D040099137**	Price
4-1/2	50	**MH61D0438454**	Price
4-1/2	60	**MH61D0438453**	Price
4-1/2	80	**MH61D040099139**	Price
5	24	**MH61D0538563**	Price
5	36	**MH61D0538562**	Price
5	50	**MH61D0538561**	Price
5	60	**MH61D0538601**	Price
5	80	**MH61D0538600**	Price
7	24	**MH61D0738594**	Price
7	36	**MH61D0738593**	Price
7	50	**MH61D0738592**	Price
7	60	**MH61D0738591**	Price
7	80	**MH61D0738590**	Price

Material - Ceramic Alumina Trade Name - Red Heat			
Dia. (in.)	Grit	Order No.	Price Ea.
4-1/2	24	**MH61D0408454**	Price
4-1/2	36	**MH61D0408465**	Price

Material - Zirconia Alumina Trade Name - Merit			
Dia. (in.)	Grit	Order No.	Price Ea.
4-1/2	36	**MM5953316**	Price
4-1/2	50	**MM5953318**	Price
4-1/2	60	**MM5953319**	Price
4-1/2	80	**MM5953320**	Price
5	24	**MM5957276**	Price
5	36	**MM5957291**	Price
5	50	**MM5957292**	Price
5	60	**MM5957293**	Price
5	80	**MM5957294**	Price
7	36	**MM5957296**	Price
7	50	**MM5957297**	Price
7	60	**MM5957298**	Price
7	80	**MM5957299**	Price

Resin Fiber Discs



Features:
- Premium AO designed for long life, high stock removal and cool cutting action on metal and welds. 7″ has depressed center
- High concentration of Zirconia and heat-treated AO grain provides twice the cutting action of premium AO discs and is extremely heat resistant

High Performance Zirconia Resin Fiber Discs:
- Made in Canada
- Zirconium abrasive alloy sharpens itself in use
- Cool grinding action reduces glazing and loading
- Sharp cutting action lasts longer - maximizing life

			Aluminum Oxide		Zirconia Alumina	
Dia. (in.)	Hole (in.)	Grit	Order No.	Price	Order No.	Price
4	5/8	24	**MG9048001**	Price	**MG9048231**	Price
4	5/8	36	**MG9048002**	Price	**MG9048232**	Price
4	5/8	50	**MG9048004**	Price	**MG9048234**	Price
4	5/8	60	**MG9048005**	Price	**-**	-
4	5/8	80	**MG9048006**	Price	**-**	-
4-1/2	7/8	16	**MG9048010**	Price	**-**	-
4-1/2	7/8	24	**MG9048011**	Price	**MG9048101**	Price
4-1/2	7/8	30	**MG9048013**	Price	**MG9048103**	Price
4-1/2	7/8	36	**MG9048012**	Price	**MG9048102**	Price
4-1/2	7/8	50	**MG9048014**	Price	**MG9048104**	Price
4-1/2	7/8	60	**MG9048015**	Price	**MG9048105**	Price
4-1/2	7/8	80	**MG9048016**	Price	**MG9048106**	Price
4-1/2	7/8	100	**MG9048017**	Price	**-**	-
4-1/2	7/8	120	**MG9048018**	Price	**-**	-
5	7/8	16	**MG9048020**	Price	**-**	-
5	7/8	24	**MG9048021**	Price	**MG9048111**	Price
5	7/8	30	**-**	-	**MG9048113**	Price
5	7/8	36	**MG9048022**	Price	**MG9048112**	Price
5	7/8	50	**MG9048024**	Price	**MG9048114**	Price
5	7/8	60	**MG9048025**	Price	**MG9048115**	Price
5	7/8	80	**MG9048026**	Price	**MG9048116**	Price
5	7/8	100	**MG9048027**	Price	**-**	-
5	7/8	120	**MG9048028**	Price	**-**	-
7	7/8	16	**MG9048030**	Price	**MG9048120**	Price
7	7/8	24	**MG9048031**	Price	**MG9048121**	Price
7	7/8	30	**MG9049233**	Price	**MG9048123**	Price
7	7/8	36	**MG9048032**	Price	**MG9048122**	Price
7	7/8	50	**MG9048034**	Price	**MG9048124**	Price
7	7/8	60	**MG9048035**	Price	**MG9048125**	Price
7	7/8	80	**MG9048036**	Price	**MG9048126**	Price
7	7/8	100	**MG9048037**	Price	**-**	-
7	7/8	120	**MG9048038**	Price	**-**	-
9	7/8	16	**MG9048040**	Price	**-**	-
9	7/8	24	**MG9048041**	Price	**-**	-
9	7/8	36	**MG9048042**	Price	**-**	-
9	7/8	50	**MG9048044**	Price	**-**	-

Resin Fiber Discs



Features:
- Aggressive yet cool cutting with long life
- Special - treated aluminum oxide

Premier Red Zirconia Alumina Resin Fiber Features:
- Ultra tough, aggressive yet cool cutting & self sharpening
- Best choice for stainless steel
- Increased durabillity - longer life
- Ideal for heavy duty grinding of welds, gates, risers and parting lines on castings and carbon steels

			Aluminum Oxide Carbo - V0947		Zirconia Alumina Carbo Premier Red - V1247	
Dia. (in.)	Hole (in.)	Grit	Order No.	Price	Order No.	Price
4-1/2	7/8	24	**MM4210603**	Price	**MM4220088**	Price
4-1/2	7/8	36	**-**	-	**MM4220087**	Price
4-1/2	7/8	50	**-**	-	**MM4220086**	Price
4-1/2	7/8	60	**MM4210600**	Price	**MM4220034**	Price
4-1/2	7/8	80	**-**	-	**MM4220019**	Price
5	7/8	16	**MM4210684**	Price	**-**	-
5	7/8	24	**MM4210683**	Price	**MM4210713**	Price
5	7/8	36	**-**	-	**MM4210712**	Price
5	7/8	50	**-**	-	**MM4210711**	Price
5	7/8	60	**-**	-	**MM4220069**	Price
5	7/8	80	**-**	-	**MM4220055**	Price
7	7/8	16	**MM4210693**	Price	**-**	-
7	7/8	24	**-**	-	**MM4210722**	Price
7	7/8	36	**-**	-	**MM4210721**	Price
7	7/8	50	**-**	-	**MM4210720**	Price
7	7/8	60	**-**	-	**MM4220077**	Price
7	7/8	80	**-**	-	**MM4220076**	Price
7	7/8	120	**MM4210685**	Price	**-**	-
9	7/8	24	**MM4210702**	Price	**-**	-
9	7/8	36	**MM4210701**	Price	**-**	-
9	7/8	50	**MM4210700**	Price	**-**	-
9	7/8	60	**MM4210699**	Price	**-**	-

Resin Fiber Discs



High Performance Zirconia Resin Fiber Discs:
- Made in Canada
- Zirconium abrasive alloy sharpens itself in use
- Cool grinding action reduces glazing and loading
- Sharp cutting action lasts longer - maximizing life

			Zirconia Alumina	
Dia. (in.)	Hole (in.)	Grit	Order No.	Price
4-1/2	7/8	16	**MM66416**	Price
4-1/2	7/8	24	**MM66424**	Price
4-1/2	7/8	36	**MM66436**	Price
4-1/2	7/8	50	**MM66450**	Price
4-1/2	7/8	60	**MM66460**	Price
4-1/2	7/8	80	**MM66480**	Price
5	7/8	16	**MM66516**	Price
5	7/8	24	**MM66524**	Price
5	7/8	36	**MM66536**	Price
5	7/8	50	**MM66550**	Price
5	7/8	60	**MM66560**	Price
5	7/8	80	**MM66580**	Price
7	7/8	16	**MM66716**	Price
7	7/8	24	**MM66724**	Price
7	7/8	36	**MM66736**	Price
7	7/8	50	**MM66750**	Price
7	7/8	60	**MM66760**	Price
7	7/8	80	**MM66780**	Price

Resin Fiber Discs

- Packed on spindle spools to prevent curling
- Premium AO designed for long life, high stock removal and cool cutting action on metal and welds. 7” has depressed center
- High concentration of Zirconia and heat treated AO grain provides twice the cutting action of premium AO discs and is extremely heat resistant
- Sold in spindle quantity only

				Aluminum Oxide - Spindle		Zirconia Alumina - Spindle	
Dia. (in.)	Hole (in.)	Grit	Spindle Qty.	Order No.	Price	Order No.	Price
4-1/2	7/8	24	50	**MG9048501**	Price	**MG9048528**	Price
4-1/2	7/8	36	100	**MG9048502**	Price	**MG9048529**	Price
4-1/2	7/8	50	100	**MG9048503**	Price	**MG9048530**	Price
4-1/2	7/8	60	100	**MG9048504**	Price	**MG9048531**	Price
4-1/2	7/8	80	100	**MG9048505**	Price	**MG9048532**	Price
5	7/8	24	50	**MG9048508**	Price	**MG9048533**	Price
5	7/8	36	100	**MG9048509**	Price	**MG9048534**	Price
5	7/8	50	100	**MG9048510**	Price	**MG9048535**	Price
5	7/8	60	100	**MG9048511**	Price	**MG9048536**	Price
5	7/8	80	100	**MG9048512**	Price	**MG9048537**	Price
7	7/8	24	50	**MG9048515**	Price	**MG9048538**	Price
7	7/8	36	100	**MG9048516**	Price	**MG9048539**	Price
7	7/8	50	100	**MG9048517**	Price	**MG9048540**	Price
7	7/8	60	100	**MG9048518**	Price	**MG9048541**	Price
7	7/8	80	100	**MG9048519**	Price	**MG9048542**	Price



STANDARD ABRASIVES Ceramic Resin Fiber Discs

Cool, rapid stock removal on all heat-sensitive metals, including Stainless Steel and High Nickel Alloys. Highest edge durability in the industry

- Edge deburring and blending
- Heavy flash and parting line removal on castings
- Grinding heavy machine tool marks



	4-1/2"				5"				7"			
	7/8		Quick Change		7/8		Quick Change		7/8		Quick Change	
Grit	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
24	**MM30530032**	Price	**MM30531032**	Price	-	-	-	-	**MM30530232**	Price	**MM30531321**	Price
36	**MM30530033**	Price	**MM30531033**	Price	**MM30530133**	Price	-		**MM30530233**	Price	**MM30531322**	Price
50	**MM30530035**	Price	**MM30531035**	Price	**MM30530135**	Price	**MM30531314**	Price	**MM30530235**	Price	**MM30531324**	Price
60	**MM30530036**	Price	**MM30531036**	Price	**MM30530136**	Price	**MM30531315**	Price	-	-	**MM30531325**	Price

3M Cubitron II Fibre Disc 982C

- Lasts longer and requires less grinding pressure than conventional abrasives
- Ideal for applications including weld grinding, beveling, flame-cut edge cleanup and deburring
- Optimized for: carbon steel



Dia. (in.)	Hole Size (in.)	Grit	Max RPM	Std. Pkg.	Order No.	Price
4-1/2	7/8	36+	13300	100	**TM1127400**	Price
4-1/2	7/8	36+	13300	100	**TM1127425**	Price
4-1/2	7/8	36+	13300	50	**TM1128177**	Price
4-1/2	7/8	60+	13300	100	**TM1127631**	Price
4-1/2	7/8	80+	13300	100	**TM1127635**	Price
4-1/2	TN	60+	13300	100	**TM1127639**	Price
4-1/2	TN	80+	13300	100	**TM1127642**	Price
5	7/8	36+	12000	100	**TM1127401**	Price
5	7/8	60+	12000	100	**TM1127632**	Price
5	7/8	80+	12000	100	**TM1127636**	Price
5	TN	36	12000	100	**TM1127404**	Price
5	TN	36	12000	100	**TM1127406**	Price
5	TN	60	12000	100	**TM1127640**	Price
5	TN	80	12000	100	**TM1127643**	Price
7	7/8	36+	8600	100	**TM1127402**	Price
7	7/8	60+	8600	100	**TM1127633**	Price
7	7/8	80+	8600	100	**TM1127637**	Price
7	TN	36	8600	100	**TM1127405**	Price
7	TN	36	8600	100	**TM1127407**	Price
7	TN	60	8600	100	**TM1127641**	Price
7	TN	80	8600	100	**TM1127644**	Price

3M Fibre Discs

785C

- An excellent starting point for stainless steel
- Includes a grinding aid for cooler running



Dia. (in.)	Hole Size (in.)	Grit	Max RPM	Order No.	Price
4-1/2	7/8	36	13300	**TM1180660**	Price
4-1/2	7/8	50	13300	**TM1180661**	Price
4-1/2	7/8	60	13300	**TM1180662**	Price
4-1/2	7/8	80	13300	**TM1180663**	Price
4-1/2	7/8	120	13300	**TM1180665**	Price
5	7/8	24	12000	**TM1113931**	Price
5	7/8	36	12000	**TM1113930**	Price
5	7/8	50	12000	**TM1113928**	Price
5	7/8	60	12000	**TM1113977**	Price
5	7/8	100	12000	**TM1180654**	Price
5	7/8	120	12000	**TM1180655**	Price
7	7/8	24	8600	**TM1113937**	Price
7	7/8	36	8600	**TM1113936**	Price
7	7/8	50	8600	**TM1113934**	Price
7	7/8	60	8600	**TM1113933**	Price
7	7/8	80	8600	**TM1113932**	Price
7	7/8	100	8600	**TM1180656**	Price

3M Fibre Discs

281C

- General purpose disc for weld removal, grinding and blending



Dia. (in.)	Hole Size (in.)	Grit	Max RPM	Order No.	Price
4-1/2	7/8	24	13300	**TM1185959**	Price

3M Fibre Discs

988C

- 3M's best premium disc for long-lasting performance for mild steel grinding



Dia. (in.)	Hole Size (in.)	Grit	Max RPM	Order No.	Price
5	7/8	50	12000	**TM1155742**	Price
5	7/8	80	12000	**TM1155740**	Price
5	7/8	100	12000	**TM1155752**	Price
7	7/8	24	8600	**TM1155964**	Price
7	7/8	50	8600	**TM1155967**	Price
7	7/8	60	8600	**TM1155739**	Price
7	7/8	80	8600	**TM1155968**	Price
9-1/8	7/8	24	6600	**TM1155744**	Price
9-1/8	7/8	36	6600	**TM1155735**	Price
9-1/8	7/8	50	6600	**TM1155733**	Price

3M Cubitron II Fibre Disc 987C

- Works with heat-sensitive materials like stainless steel
- Lasts longer and requires less grinding pressure than conventional abrasives
- Try 987C for yourself and you'll see improvement over your existing fibre dis
- Applications including edge chamfering, beveling, weld removal
- Optimized for: stainless steel, high nickel alloys, superalloys & carbon steel



Arbor Size (in.) - 7/8					
Dia. (in.)	Grit	Max RPM	Std. Pkg.	Order No.	Price
4-1/2	36+	13300	100	**TM1127447**	Price
4-1/2	60+	13300	100	**TM1127653**	Price
4-1/2	80+	13300	100	**TM1127657**	Price
5	36+	12000	100	**TM1127448**	Price
5	60+	12000	100	**TM1127654**	Price
5	80+	12000	100	**TM1127658**	Price
7	36+	8600	100	**TM1127449**	Price
7	60+	8600	100	**TM1127655**	Price
7	80+	8600	100	**TM1127659**	Price

Arbor Size (in.) - TN					
Dia. (in.)	Grit	Max RPM	Std. Pkg.	Order No.	Price
4-1/2	36+	13300	100	**TM1127469**	Price
4-1/2	80	13300	100	**TM1127664**	Price
5	36+	12000	100	**TM1127467**	Price
5	60	12000	100	**TM1127662**	Price
5	80	12000	100	**TM1127665**	Price
7	36	8600	100	**TM1127468**	Price
7	60	8600	100	**TM1127663**	Price
7	80	8600	100	**TM1127666**	Price

TRIMKUT Resin Fiber Discs

New!



Aluminum Oxide:
- "A" Type represents superior grinding performance in a premium aluminum oxide resin fibre disc
- A blend of advanced abrasive alloys and bonding agents delivers superior cutting rates and longer useful life
- "A" Type provides optimal value when used in high stock removal applications and where a cool cutting action is required

Zirconia:
- Zee Type represents ultimate grinding performance in a premium Zirconium resin fiber disc
- The extremely hard Zirconium abrasive alloy sharpens itself in use, delivering outstanding cutting rates and maximum useful life
- The advanced bond extends disc life by minimizing grain shedding, while promoting a cool grinding action whice reduce glazing and loading.
- "Z" type is most cost effective when used in high production application where cuttng rates are monitored

		Aluminum Oxide		Zirconia	
Dia. (in.)	Grit	Order No.	Price	Order No.	Price
3	24	MM301300	Price	MM98Z324	Price
3	36	MM301303	Price	MM98Z336	Price
3	50	MM98350	Price	MM98Z350	Price
3	60	MM301305	Price	MM98Z360	Price
3	80	MM98380	Price	MM98Z380	Price
3	100	MM983100	Price	MM98Z3100	Price
3	120	MM301308	Price	MM98Z3120	Price
4-1/2	24	MM9841224	Price	MM98Z41224	Price
4-1/2	36	MM9841236	Price	MM98Z41236	Price
4-1/2	50	MM9841250	Price	MM98Z41250	Price
4-1/2	60	MM9841260	Price	MM98Z41260	Price
4-1/2	80	MM9841280	Price	MM98Z41280	Price
4-1/2	100	MM98412100	Price	MM98Z412100	Price
4-1/2	120	MM98412120	Price	MM98Z412120	Price
5	24	MM98524	Price	MM98Z524	Price
5	36	MM98536	Price	MM98Z536	Price
5	50	MM98550	Price	MM98Z550	Price
5	60	MM98560	Price	MM98Z560	Price
5	100	MM985100	Price	MM98Z5100	Price
5	80	MM98580	Price	MM98Z580	Price
5	120	MM985120	Price	MM98Z5120	Price

Note: 3" Disc uses MM98021 Mandrel; 4-1/2" and 5" Discs uses 7/8 Arbor Hole

Mandrel for 3" Trim-Kut Discs

New!



Order No.	Price
MM98021	Price

TRIMKUT CZ45 Grinding Wheel

- CZ45 Formula: Unique blend of SG Ceramic and Zirconia grain
- Designed for light heavy pressure grinding requirements **ON ALL METALS**
- Ergonomic vibration free performance
- Tough super copolymer backing

New!



Dia. (in.)	Standard Pkg.	Order No.	Price
4-1/2	1	MM9840645201	Price
4-1/2	10	MM9840645210	Price
4-1/2	25	MM9840645200	Price
4-1/2	5	MM9840645205	Price

Mini Grind-R Discs

New!



- Innovative ceramic resin fibre discs for industrial metal applications
- ZEE Supreme provides ultimate grinding performance in new 100% Zirconia with top coat
- Developed especially for use on stainless steel and other alloys for maximum performance

Material - Aluminum Oxide			
Dia. (in.)	Grit	Order No.	Price
2	24	MM65224	Price
2	36	MM65236	Price
2	50	MM65250	Price
2	60	MM65260	Price
2	80	MM65280	Price
2	100	MM652100	Price
2	120	MM652120	Price
3	24	MM65324	Price
3	36	MM65336	Price
3	50	MM65350	Price
3	60	MM65360	Price
3	80	MM65380	Price
3	100	MM653100	Price
3	120	MM653120	Price

Material - Zirconia			
Dia. (in.)	Grit	Order No.	Price
2	24	MM66224	Price
2	36	MM66236	Price
2	50	MM66250	Price
2	60	MM66260	Price
2	80	MM66280	Price
2	100	MM662100	Price
2	120	MM662120	Price
3	24	MM66324	Price
3	36	MM66336	Price
3	50	MM66350	Price
3	60	MM66360	Price
3	80	MM66380	Price
3	100	MM663100	Price
3	120	MM663120	Price

Aluminum Oxide Resin Fiber Discs

New!



- Specifically designed for high performance grinding on aluminum and other non-ferrous metals
- Top coated, Tiger Aluminum releases lubrication while grinding, reducing heat buildup
- Lower grinding temperatures delay melting, allowing metal to shed, which results in higher cut rates, long life and a superior finish
- Best on aluminum and non-ferrous metals

			5/8-11		7/8	
Dia. (in.)	Grit	Std. Pack	Order No.	Price	Order No.	Price
4-1/2	24G	25	MK5160600	Price	MK5160400	Price
4-1/2	36G	25	MK5160601	Price	MK5160401	Price
4-1/2	50G	25	MK5160602	Price	MK5160402	Price
4-1/2	60G	25	MK5160603	Price	MK5160403	Price
4-1/2	80G	25	MK5160604	Price	MK5160404	Price
4-1/2	120G	25	-	-	MK5160406	Price
5	120G	25	MK5160606	Price	-	-

Zirconia Resin Fiber Discs

New!



- Leverages a unique blend of self sharping Zirconia and Ceramic Alumina grains to deliver a fast cut rate and exceptional consistency
- Superior design exteds disc life by minimizing grain shedding and promotes cool grinding on steel and stainless
- Best on steel, stainless steel, structural steel, cast iron and inconel

			5/8-11		7/8	
Dia. (in.)	Grit	Std. Pack	Order No.	Price	Order No.	Price
4-1/2	24G	25	MK5159931	Price	MK5159731	Price
4-1/2	36G	25	MK5159932	Price	MK5159732	Price
4-1/2	50G	25	MK5159933	Price	MK5159733	Price
4-1/2	60G	25	MK5159934	Price	MK5159734	Price
4-1/2	80G	25	MK5159935	Price	MK5159735	Price
4-1/2	100G	25	MK5159936	Price	MK5159736	Price
4-1/2	120G	25	MK5159937	Price	MK5159737	Price

WEILER Ceramic Resin Fiber Discs

- Advanced Ceramic grain delivers greater stock removal with a finer scratch pattern
- Top coat grinds cool, reducing metal discoloration, minimizing heat related stress cracks, and eliminates loading, heat & buildup
- Less pressure required to achieve consistent material removal rate, reducing operator fatigue
- Wide range of grit options professionals need to get a desired finish

TIGER

New!



			5/8-11		7/8	
Dia. (in.)	Grit	Std. pack	Order No.	Price	Order No.	Price
4-1/2	24G	25	**MK5169880**	Price	**MK5169850**	Price
4-1/2	36G	25	**MK5169881**	Price	**MK5169851**	Price
4-1/2	50G	25	**MK5169882**	Price	**MK5169852**	Price
4-1/2	60G	25	**MK5169883**	Price	**MK5169853**	Price
4-1/2	80G	25	**MK5169884**	Price	**MK5169854**	Price

WEILER Wolverine Aluminum Oxide Resin Fiber Discs

- Premium aluminum oxide grains provide an even, sharp, clean cut rate and consistent performance
- Best on carbon steel, iron, and general purpose metal use

New!



Dia. (in.)	Grit	Std. Pack	Hole Size (9in.)	Order No.	Price
4-1/2	100G	25	5/8-11	**MK5159978**	Price
4-1/2	100G	25	7/8	**MK5159578**	Price
4-1/2	120G	25	5/8-11	**MK5159979**	Price
4-1/2	120G	25	7/8	**MK5159579**	Price
4-1/2	24G	25	5/8-11	**MK5159971**	Price
4-1/2	24G	25	7/8	**MK5159571**	Price
4-1/2	36G	25	5/8-11	**MK5159973**	Price
4-1/2	36G	25	7/8	**MK5159573**	Price
4-1/2	50G	25	5/8-11	**MK5159975**	Price
4-1/2	50G	25	7/8	**MK5159575**	Price
4-1/2	60G	25	5/8-11	**MK5159976**	Price
4-1/2	60G	25	7/8	**MK5159576**	Price
4-1/2	80G	25	5/8-11	**MK5159977**	Price
4-1/2	80G	25	7/8	**MK5159577**	Price

WEILER Wolverine Zirc Resin Fiber Discs

- Self-sharping Zirconia Alumina grain delivers a fast cut rate and consistent performance over the life of the disc, resulting in a great value when grinding on steel and stainless
- Best on carbon steel, stainless steel, iron, and general purpose metal use

New!



			5/8-11		7/8	
Dia. (in.)	Grit	Std. Pack	Order No.	Price	Order No.	Price
4-1/2	24G	25	**MK5162052**	Price	**MK5162002**	Price
4-1/2	36G	25	**MK5162053**	Price	**MK5162003**	Price
4-1/2	50G	25	**MK5162054**	Price	**MK5162004**	Price
4-1/2	60G	25	**MK5162055**	Price	**MK5162005**	Price
4-1/2	80G	25	**MK5162056**	Price	**MK5162006**	Price
4-1/2	100G	25	**MK5162057**	Price	**MK5162007**	Price
4-1/2	120G	25	**MK5162058**	Price	**MK5162008**	Price

3M PSA Discs 348D

- Aluminum Oxide – X weight cloth
- Heavy-duty, cloth-backed discs for more aggressive applications
- Provides excellent adhesion while removing easily
- **Sold in Standard Pack Only**



Dia. (in.)	Grit	Std. Pkg.	Order No.	Price Ea.
2	50	200	**TM1120911**	Price
2	60	200	**TM1120910**	Price
2	80	200	**TM1120909**	Price
2	120	200	**TM1120907**	Price
3	40	200	**TM1101335**	Price
3	50	200	**TM1101334**	Price
3	60	200	**TM1101333**	Price
3	80	200	**TM1101332**	Price
3	100	200	**TM1101331**	Price
3	120	200	**TM1101330**	Price
5	36	250	**TM1120891**	Price
5	40	250	**TM1120890**	Price
5	50	250	**TM1120889**	Price
5	60	250	**TM1120888**	Price
5	80	250	**TM1120887**	Price
5	100	250	**TM1120886**	Price
5	120	250	**TM1120885**	Price
5	150	250	**TM1120884**	Price
5	180	250	**TM1120883**	Price
5	240	250	**TM1120881**	Price
6	50	250	**TM1120879**	Price
6	60	250	**TM1120878**	Price
6	80	250	**TM1120877**	Price
6	100	250	**TM1120876**	Price
6	120	250	**TM1121497**	Price
8	36	250	**TM1120874**	Price
8	40	250	**TM1120873**	Price
8	60	250	**TM1120871**	Price
8	80	250	**TM1120870**	Price
8	120	250	**TM1120868**	Price
12	36	10	**TM1188906**	Price
12	40	10	**TM1188905**	Price
12	50	10	**TM1188904**	Price
12	60	10	**TM1188903**	Price
12	80	10	**TM1188902**	Price
12	100	10	**TM1188901**	Price
16	36	10	**TM1188890**	Price
16	60	10	**TM1188887**	Price
16	80	10	**TM1188886**	Price
18	36	10	**TM1188882**	Price
18	60	10	**TM1188880**	Price
20	36	10	**TM1188878**	Price
20	40	10	**TM1188877**	Price
20	50	10	**TM1188876**	Price
20	60	10	**TM1188875**	Price
20	80	10	**TM1188874**	Price
24	36	10	**TM1120802**	Price
24	40	10	**TM1120801**	Price
24	80	10	**TM1120798**	Price

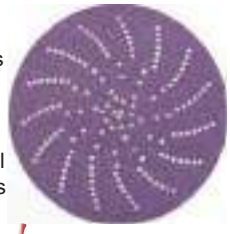
Stikit™ Disc Rolls 236U



- Aluminum Oxide – C weight paper backing
- Discs for paint, primer, wood, metal, plastic and fiberglass
- Strong paper backing provides durability and increased cut rates
- Open coat and stearate coating minimizes loading
- **100 Discs per roll, 4 rolls per case**

Dia. (in.)	Grit	Order No.	Price
5	P150	**TM1155543**	Price
6	P120	**TM1155562**	Price
6	P320	**TM1155567**	Price
6	P80	**TM1155560**	Price
5	P120	**TM1186490**	Price
5	P180	**TM1186492**	Price
5	P320	**TM1186495**	Price
5	P500	**TM1186497**	Price
6	P400	**TM1186476**	Price

Cubintron™ II Hookit™ Clean Sanding Film Discs 775L



- Cuts up to 2x as fast as conventional abrasives
- Lasts up to 4x as long as conventional abrasives
- Ideal for a wide variety of substrates and applications focused primarily on stock removal
- Hook and loop attachment makes disc changes fast and easy
- Precise multi-hole pattern provides superior dust extraction
- Sold per Standard Pack

New!

			5" x NH		6" x NH	
Grit	Std. Pack	Case Qty	Order No.	Price	Order No.	Price
80+	50	250	**TM1186822**	Price	**TM1186824**	Price
120+	50	250	**TM1186823**	Price	**TM1186825**	Price
150+	50	250	**TM1164258**	Price	**TM1164259**	Price
180+	50	250	**TM1164264**	Price	**TM1164265**	Price
220+	50	250	**TM1164270**	Price	**TM1164271**	Price
240+	50	250	**TM1147097**	Price	**TM1147098**	Price
320+	50	250	**TM1147081**	Price	**TM1147082**	Price
400+	50	250	**TM1105058**	Price	**TM1105059**	Price

Cubitron™ II Stickit™ Tab Lined Film Discs 775L

New!



- Cuts up to 2x as fast as conventional abrasives
- Lasts up to 6x as long as conventional abrasives
- Film backing for greater tear resistance and edge retention
- Ideal for a wide variety of substrates and applications focused primarily on stock removal
- 3M™ Stikit™ attachment makes changing discs fast and easy
- Sold per Standard Pack

			5" x NH		6" x NH	
Grit	Std. Pack	Case Qty	Order No.	Price	Order No.	Price
80+	50	250	**TM1186802**	Price	**TM1186804**	Price
120+	50	250	**TM1186803**	Price	**TM1186805**	Price
150+	50	250	**TM1164275**	Price	**TM1187053**	Price
180+	50	250	**TM1164279**	Price	**TM1187052**	Price
220+	50	250	**TM1164283**	Price	**TM1187105**	Price
240+	50	250	**TM1147087**	Price	**TM1147088**	Price
320+	50	250	**TM1147083**	Price	**TM1147105**	Price
400+	50	250	**TM1105068**	Price	**TM1105067**	Price

Stikit™ 214U & Hookit™ 216U White/Gold Discs



- Aluminum Oxide – A weight paper backing
- Discs for paint, primer, metal, wood and fiberglass
- Special 3M™ Fre-cut™ coating resists loading
- Sold per Roll / Box

Description - Hookit Dust Free					
Dia. (in.)	Grit	Discs per roll/Box	Std. Pkg.	Order No.	Price Ea.
5	P320	1	500	**TM1186249**	Price
5	P400	1	500	**TM1186250**	Price
5	P400	1	500	**TM1186271**	Price
5	P600	1	500	**TM1186299**	Price

Description - Stikit White Gold					
Dia. (in.)	Grit	Discs per roll/Box	Std. Pkg.	Order No.	Price Ea.
5	150A	175	6	**TM1181806**	Price
6	320	175	6	**TM1186387**	Price

Cubitron ™ II Hookit™ Film Discs 775L

New!



- Cuts up to 2x as fast as conventional abrasives
- Lasts up to 6x as long as conventional abrasives
- Film backing for greater tear resistance and edge retention
- Ideal for a wide variety of substrates and applications focused primarily on stock removal
- Hook and loop attachment makes disc changes fast and easy
- Sold per Standard Pack

Size (in.) - 3" x NH				
Grit	Std. Pack	Case Qty	Order No.	Price
80+	50	250	**TM1187266**	Price
80+ Dust Free	50	250	**TM1187270**	Price
120+	50	250	**TM1187267**	Price
120+ Dust Free	50	250	**TM1187271**	Price
150+	50	250	**TM1187268**	Price
150+ Dust Free	50	250	**TM1187272**	Price
180+	50	250	**TM1187274**	Price
220+	50	250	**TM1187269**	Price
220+ Dust Free	50	250	**TM1187273**	Price
240+	50	250	**TM1147108**	Price
240+ Dust Free	50	250	**TM1147110**	Price
320+	50	250	**TM1147109**	Price
320+ Fust Free	50	250	**TM1147111**	Price
400+	50	250	**TM1105057**	Price
400+ Dust Free	50	250	**TM1105060**	Price

Size (in.) - 5" x NH				
Grit	Std. Pack	Case Qty	Order No.	Price
80+	50	250	**TM1186818**	Price
120+	50	250	**TM1186819**	Price
150+	50	250	**TM1187026**	Price
180+	50	250	**TM1147080**	Price
180+	50	250	**TM1164263**	Price
220+	50	250	**TM1164269**	Price
240+	50	250	**TM1147095**	Price

Size (in.) - 6" x NH				
Grit	Std. Pack	Case Qty	Order No.	Price
320+	50	250	**TM1147099**	Price
80+	50	250	**TM1186820**	Price
120+	50	250	**TM1186821**	Price
150+	50	250	**TM1187041**	Price
180+	50	250	**TM1187040**	Price
220+	50	250	**TM1187089**	Price
240+	50	250	**TM1147096**	Price
400+ Dust Free	50	250	**TM1105056**	Price

SURF PRO® Velcro Backed Resin Paper Abrasive Discs



- Aluminum oxide resin free cut treated for metal, wood and plastic
- Easy press-on/peel-off - saves time
- Hook and loop backing adds strength, reducing tearing and run cooler for longer life
- Holding power not affected by dirt, dust, heat, humidity
- We also offer the vacuum hole paper disc and conversion hardware for the clean air vacuum sanders

Style - C Weight Paper Back-8 Hole						
	5			6		
Grit	No. of Holes	Order No.	Price	No. of Holes	Order No.	Price
80	8	**SP11VBD500808AC**	Price	8	**SP11VBD600808AC**	Price
100	8	**SP11VBD501008AC**	Price	8	**SP11VBD601008AC**	Price
120	8	**SP11VBD501208AC**	Price	8	**SP11VBD601208AC**	Price
150	8	**SP11VBD501508AC**	Price	8	**SP11VBD601508AC**	Price
180	8	**SP11VBD501808AC**	Price	8	**SP11VBD601808AC**	Price
220	8	**SP11VBD502208AC**	Price	8	**SP11VBD602208AC**	Price
240	8	**SP11VBD502408AC**	Price	8	**SP11VBD602408AC**	Price
280	8	**SP11VBD502808AC**	Price	8	**SP11VBD602808AC**	Price
320	8	**SP11VBD503208AC**	Price	8	**SP11VBD603208AC**	Price
400	8	**SP11VBD504008AC**	Price	8	**SP11VBD604008AC**	Price

Style - C Weight Paper Back-No Hole						
	5			6		
Grit	No. of Holes	Order No.	Price	No. of Holes	Order No.	Price
80	0	**SP11VBD500800AC**	Price	0	**SP11VBD600800AC**	Price
100	0	**SP11VBD501000AC**	Price	0	**SP11VBD601000AC**	Price
120	0	**SP11VBD501200AC**	Price	0	**SP11VBD601200AC**	Price
150	0	**SP11VBD501500AC**	Price	0	**SP11VBD601500AC**	Price
180	0	**SP11VBD501800AC**	Price	0	**SP11VBD601800AC**	Price
220	0	**SP11VBD502200AC**	Price	0	**SP11VBD602200AC**	Price
240	0	**SP11VBD502400AC**	Price	0	**SP11VBD602400AC**	Price
280	0	**SP11VBD502800AC**	Price	0	**SP11VBD602800AC**	Price
320	0	**SP11VBD503200AC**	Price	0	**SP11VBD603200AC**	Price
400	0	**SP11VBD504000AC**	Price	0	**SP11VBD604000AC**	Price

Style - E Weight Paper Back-No Hole						
	5			6		
Grit	No. of Holes	Order No.	Price	No. of Holes	Order No.	Price
40	0	**SP11VBD500400AE**	Price	0	**SP11VBD600400AE**	Price
50	0	**SP11VBD500500AE**	Price	0	**SP11VBD600500AE**	Price
60	0	**SP11VBD500600AE**	Price	0	**SP11VBD600600AE**	Price
80	0	**SP11VBD500800AE**	Price	0	**SP11VBD600800AE**	Price

SURF PRO® PSA Aluminum Oxide Abrasive Strips and Sheets

- Tough aluminum oxide for long life
- Heavy duty "X" weight resin bond cloth
- Advanced PSA coating



	1 x 11		9 x 11	
Grit	Order No.	Price	Order No.	Price
60	**SP12PSA111060A**	Price	**SP12PSA911060A**	Price
80	**SP12PSA111080A**	Price	**SP12PSA911080A**	Price
100	**SP12PSA111100A**	Price	**SP12PSA911100A**	Price
120	**SP12PSA111120A**	Price	**SP12PSA911120A**	Price
150	**SP12PSA111150A**	Price	**SP12PSA911150A**	Price
180	**SP12PSA111180A**	Price	**SP12PSA911180A**	Price
240	**SP12PSA111240A**	Price	**SP12PSA911240A**	Price
320	**SP12PSA111320A**	Price	**SP12PSA911320A**	Price

5" Backup Pads for Plain and Vacuum Paper



Description	Thread/Type	Order No.	Price
Neoprene for Plain Paper	5/16-24 Male	**MM9555**	Price
Urethane for Vacuum Paper	-	**MM9595**	Price

Hook & Loop Conversion Backup Discs

With Adhesive Back for Quick Installation



	5		6	
Description	Order No.	Price	Order No.	Price
Hook & Loop Plain	**MM9553P**	Price	**MM9563P**	Price
Hook & Loop/5-Hole	**MM95535**	Price	**MM95635**	Price
Hook & Loop/8-Hole	**MM95538**	Price	**MM95638**	Price

SURF PRO® PSA Gold Paper Discs with Tabs

- Made in the USA! Edge tear resistant! Made with strong .00050 Mylar film for superior edge tear resistance.
- Stearated paper with heat treated aluminum oxide grain and a full phenolic bond system for uniform scratch pattern
- Open coat disc design for fast cutting and exceptionally long life





No. of Holes - 0				
Size (in.)	Grit	Std. Pkg.	Order No.	Price
5	40	50	**SP11DT50040GAC0**	Price
5	60	50	**SP11DT50060GAC0**	Price
5	80	100	**SP11DT50080GAC0**	Price
5	100	100	**SP11DT50100GAC0**	Price
5	120	100	**SP11DT50120GAC0**	Price
5	150	100	**SP11DT50150GAC0**	Price
5	180	100	**SP11DT50180GAC0**	Price
5	220	100	**SP11DT50220GAC0**	Price
5	240	100	**SP11DT50240GAC0**	Price
5	320	100	**SP11DT50320GAC0**	Price
5	400	100	**SP11DT50400GAC0**	Price
5	600	100	**SP11DT50600GAC0**	Price
5	800	100	**SP11DT50800GAC0**	Price
5	1000	100	**SP11DT51000GAC0**	Price
6	40	50	**SP11DT60040GAC0**	Price
6	60	50	**SP11DT60060GAC0**	Price
6	80	100	**SP11DT60080GAC0**	Price
6	100	100	**SP11DT00100GAC0**	Price

No. of Holes - 0				
Size (in.)	Grit	Std. Pkg.	Order No.	Price
6	120	100	**SP11DT60120GAC0**	Price
6	150	100	**SP11DT60150GAC0**	Price
6	220	100	**SP11DT60240GAC0**	Price
6	320	100	**SP11DT60320GAC0**	Price
6	400	100	**SP11DT60400GAC0**	Price

No. of Holes - 5				
Size (in.)	Grit	Std. Pkg.	Order No.	Price
5	80	100	**SP11DT50080GAC5**	Price
5	100	100	**SP11DT50100GAC5**	Price
5	120	100	**SP11DT50120GAC5**	Price
5	150	100	**SP11DT50150GAC5**	Price
5	180	100	**SP11DT50180GAC5**	Price
5	220	100	**SP11DT50220GAC5**	Price

Paper Discs-100 Disc Packs



A275
- Premium P=graded, heat treated aluminum oxide abrasive
- Unique fiber reinforced, flexible B-wt. latex-saturated backing
- Water based stearate, non-pigmented, No-Fil coating
- Superior life, fast cut rate, consistent finish
- 50-60% Improvement to tear strength
- Flexible; can be used wet
- Provides maximum load resistance and extended life; no color transfer to work

A475
- P-graded, hard, silicon carbide abrasive
- Water based stearate, non-pigmented, No-Fil coating
- Durable, fiber-reinforced, B-wt. latex paper
- Easy penetration of the hardest surfaces
- Resists loading for the longest usable product life; no color transfer to work
- Provides flexibility and resistance to tearing

A290
- P-graded aluminum oxide abrasive
- Heavy-duty C-wt. backing
- Stearated (No-Fil), open coat
- Increased life, fast cut rate, consistent finish
- Edge-tear resistance, durable
- Reduced loading

		Hook & Loop				PSA Disc Roll					
		A275		A290		A275		A290		A475	
Size	Grit	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
5	80	MH61D0531549	Price	MH61D0549907	Price	MH61D0531464	Price	MH61D0549830	Price	MH61D0587415	Price
5	100	MH61D0531548	Price	MH61D0549906	Price	MH62D0531463	Price	MH61D0549829	Price	MH61D0587417	Price
5	120	MH61D0531547	Price	MH61D0549905	Price	MH61DR0531462	Price	MH61D0549828	Price	MH61D0587418	Price
5	150	MH61D0531546	Price	MH61D0549904	Price	MH61D0531461	Price	MH61D0549827	Price	MH61D0587440	Price
5	180	MH61D0531545	Price	MH61D0549903	Price	MH62D0531460	Price	MH61D0549826	Price	MH61D0587441	Price
5	220	-	-	-	-	MH62D0531459	Price	MH61DR0549825	Price	MH61D0587442	Price
5	240	-	-	-	-	MH62D0531458	Price	MH61D0549824	Price	-	-
5	280	-	-	-	-	MH61D0531457	Price	MH61D0549823	Price	-	-
5	320	MH61D0531541	Price	MH61D0549900	Price	MH62D0531456	Price	MH61D0549822	Price	-	-
5	400	-	-	-	-	MH61D0531454	Price	MH61DR0549821	Price	-	-
6	80	MH61D0631566	Price	MH61D0649916	Price	MH61DR0631481	Price	MH61D0649842	Price	MH61D0687446	Price
6	100	MH61D0631565	Price	MH61D0649915	Price	MH61D0631480	Price	MH61D0649841	Price	-	-
6	120	MH61D0631564	Price	MH61D0649914	Price	MH61D0631479	Price	MH61DR0649840	Price	MH61D0687447	Price
6	150	MH61D0631563	Price	MH61D0649913	Price	MH61D0631478	Price	MH61D0649839	Price	-	-
6	180	MH61D0631562	Price	MH61D0649912	Price	MH61DR0631477	Price	MH61D0649838	Price	MH61D0687448	Price
6	220	MH61D0631561	Price	MH61D0649911	Price	MH61D0631476	Price	MH61D0649837	Price	MH61D0687449	Price
6	240	-	-	-	-	MH61D0631475	Price	MH61D0649836	Price	-	-
6	280	-	-	-	-	MH61D0631474	Price	MH61D0649835	Price	-	-
6	320	MH61D0631558	Price	MH61D0649909	Price	MH61DR0631473	Price	MH61D0649834	Price	MH61D0687450	Price
6	400	-	-	-	-	MH61D0631471	Price	MH61D0649833	Price	-	-

Backup Pads



- 5/16-24 Male thread 10,000 RPM
- 5/8-11 Female thread 3,200-10,000 RPM
- Backup pads — the missing link
- Provide excellent finishes
- Extends disc life
- Pads specific design along with correct combination of flexibility and disc support help prevent “edge cutting”
- 5/16-24 Male thread for Pneumatic & Oscillating Sanders
- 5/8-11 Female thread for Milwaukee, Black & Decker, Skil and Bosch Power Tools

			5/16-24 Male		5/8-11 Female	
Dia. (in.)	For	RPM	Order No.	Price	Order No.	Price
4-1/2	Non-Woven Nylon Abra.	3,200-10,000	-	-	MM85840042	Price
5	Non-Woven Nylon Abra.	3,200-10,000	-	-	MM85840050	Price
7	Non-Woven Nylon Abra.	3,200-10,000	-	-	MM85840070	Price
5	Non-Woven Nylon Abra.	3,600	MM85EHU14MV5	Price	-	-
5	PSA Disc	10,000	MM85ELSM5	Price	-	-
5	PSA Disc	3,200-10,000	-	-	MM85IL14FN5	Price
5	Velcro Disc	10,000	MM85EHSM5	Price	-	-
5	Velcro Disc	3,200-10,000	-	-	MM85IH14FN5	Price
6	Non-Woven Nylon Abra.	3,600	MM85EHU14MV6	Price	-	-
6	PSA Disc	10,000	MM85ELSM6	Price	-	-
6	PSA Disc	3,200-10,000	-	-	MM85IL14FN6	Price
6	Velcro Disc	10,000	MM85EHSM6	Price	-	-
6	Velcro Disc	3,200-10,000	-	-	MM85IH14FN6	Price
7	PSA Disc	3,200-10,000	-	-	MM85IL14FN7	Price
7	Velcro Disc	3,200-10,000	-	-	MM85IH14FN7	Price
8	PSA Disc	3,200-10,000	-	-	MM85IL14FN8	Price

Metalite R228 Cloth Back PSA Discs



- Premium aluminum oxide abrasive
- Heavy X-weight cotton backing
- Designed for durability and long life
- Ideal for aggressive stock removal applications
- Resistant to heat

Size (in.) - 5			
Grit	Std. Pkg.	Order No.	Price
36	50	**MH61D0536589**	Price
40	50	**MH61D0536588**	Price
50	50	**MH61D0536587**	Price
60	50	**MH61D0536586**	Price
80	50	**MH61D0536585**	Price
100	50	**MH61D0536584**	Price
120	50	**MH61D0536583**	Price

Size (in.) - 6			
Grit	Std. Pkg.	Order No.	Price
60	50	**MH61D0636596**	Price
80	50	**MH61D0636595**	Price
100	50	**MH61D0636594**	Price
120	50	**MH61D0636593**	Price

Size (in.) - 8			
Grit	Std. Pkg.	Order No.	Price
36	50	**MH61D0836350**	Price

Size (in.) - 8			
Grit	Std. Pkg.	Order No.	Price
40	50	**MH61D0836351**	Price
50	50	**MH61D0836352**	Price
60	50	**MH61D0836576**	Price
80	50	**MH61D0836354**	Price
120	50	**MH61D0836355**	Price

Size (in.) - 10			
Grit	Std. Pkg.	Order No.	Price
36	25	**MH61D1036602**	Price
40	25	**MH61D1036606**	Price
50	25	**MH61D1036607**	Price
60	25	**MH61D1036604**	Price
80	25	**MH61D1036601**	Price
100	25	**MH61D1036600**	Price

Size (in.) - 12			
Grit	Std. Pkg.	Order No.	Price
36	25	**MH61D1236635**	Price

Size (in.) - 12			
Grit	Std. Pkg.	Order No.	Price
40	25	**MH61D1236630**	Price
50	25	**MH61D1236625**	Price
60	25	**MH61D1236620**	Price
80	25	**MH61D1236615**	Price
100	25	**MH61D1236614**	Price
120	25	**MH61D1236613**	Price

Size (in.) - 15			
Grit	Std. Pkg.	Order No.	Price
40	25	**MH61D1536665**	Price
50	25	**MH61D1536714**	Price
80	-	**MH61D1536662**	Price

Size (in.) - 16			
Grit	Std. Pkg.	Order No.	Price
40	25	**MH61D1636685**	Price
50	25	**MH61D1636684**	Price
60	25	**MH61D1636683**	Price
80	25	**MH61D1636701**	Price

Size (in.) - 20			
Grit	Std. Pkg.	Order No.	Price
36	25	**MH61D2036710**	Price
40	25	**MH61D2036709**	Price
50	25	**MH61D2036711**	Price
60	25	**MH61D2036712**	Price
80	25	**MH61D2036706**	Price

Aluminum Oxide DriLube Resin Paper Open Stick-On Discs

Carbo Gold Aluminum Oxide - Premier Red Alminum Oxide

- Ideal for sanding paints, primers, plastics and fiber glass
- No Pigment transfer
- Each roll individually protected in poly bags
- 100 Discs per roll
- Carton Qty: 4 Rolls

Carbo Gold Aluminum Oxide:
- Premium P-graded aluminum oxide
- Durable C-weight
- Fast cut, long life
- Excellent load resistance

Premier Red Aluminum Oxide:
- Heat treated P-grade aluminum oxide
- Superior load resistance
- 30% faster cut & longer life
- Superior resistance to delamination & tearing
- Uniform scratch pattern



	5				6			
	Carbo Premier Red		Carbo-Gold		Carbo Premier Red		Carbo-Gold	
Grit	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
80	**MM4218114**	Price	**MM4210555**	Price	**MM4218173**	Price	**MM4210567**	Price
100	**MM4218113**	Price	**MM4210554**	Price	**MM4218172**	Price	**MM4210566**	Price
120	**MM4218112**	Price	**MM4210553**	Price	**MM4218171**	Price	**MM4210565**	Price
150	**MM4218111**	Price	**MM4210552**	Price	**MM4218170**	Price	**MM4210563**	Price
180	**MM4218110**	Price	**MM4210550**	Price	**MM4218169**	Price	**MM4210562**	Price
220	**MM4218109**	Price	**MM4210549**	Price	**MM4218168**	Price	**MM4210561**	Price
240	**MM4218108**	Price	**MM4210548**	Price	**MM4218167**	Price	**MM4210560**	Price
280	**MM4218107**	Price	**-**	-	**MM4218166**	Price	**-**	-
320	**MM4218106**	Price	**MM4210546**	Price	**MM4218165**	Price	**MM4210558**	Price
400	**MM4218105**	Price	**MM4210545**	Price	**MM4218164**	Price	**MM4210557**	Price

Carbo Cleanair Medalist Ceramic Alumina Dri-Lube Resin Paper Open Vacuum Grip-On Paper Discs



- Full resin bond system
- Unique fiber reinforced, flexible B- and C- weight latex saturated backing
- Special undyed stearate oversize
- Unique multi-hole pattern and matching hook and loop back-up pad
- Standard pack - 50 pc.

Size (in.)	Grit	Order No.	Price
6 x 11/16	P80	**MM4250000**	Price
6 x 11/16	P120	**MM4250001**	Price
6 x 11/16	P150	**MM4250002**	Price
6 x 11/16	P180	**MM4250003**	Price
6 x 11/16	P220	**MM4250004**	Price
6 x 11/16	P240	**MM4250005**	Price
6 x 11/16	P320	**MM4250006**	Price
6 x 11/16	P400	**MM4250007**	Price
6 x 11/16	P500	**MM4250008**	Price
6 x 11/16	P600	**MM4250009**	Price
6 x 11/16	P800	**MM4250010**	Price

PASCO Paper Aluminum Oxide Sanding Discs - Gold "C" Weight



- Made with a strong .0005 Mylar film for superior edge tear resistance
- PASCO Advantage outperforms other "C" weight gold discs
- Stearated paper with heat treated aluminum oxide grain and a full phenolic bond system provides uniform scratch pattern
- Open coat disc delivers fast cut and exceptionally long life

Type - Disc on Roll				
Dia. (in.)	Grit	Std. Pkg.	Order No.	Price Box
5	60	50	**MG9449761**	Price
5	80	100	**MG9449762**	Price
5	100	100	**MG9449763**	Price
5	120	100	**MG9449764**	Price
5	150	100	**MG9449765**	Price
5	180	100	**MG9449766**	Price
5	220	100	**MG9449767**	Price
6	80	100	**MG9449777**	Price
6	100	100	**MG9449778**	Price
6	120	100	**MG9449779**	Price
6	150	100	**MG9449780**	Price
6	180	100	**MG9449781**	Price
6	220	100	**MG9449782**	Price

Type - Disc with Tab				
Dia. (in.)	Grit	Std. Pkg.	Order No.	Price Box
5	80	100	**MG9449822**	Price
5	100	100	**MG9449823**	Price
5	120	100	**MG9449824**	Price
5	180	100	**MG9449826**	Price
5	220	100	**MG9449827**	Price
5	150	100	**MG9449825**	Price

PASCO Metallurgical Silicon Carbide Sanding Discs



- Pasco Metallurgical Silicon Carbide Sanding Discs

Style - Plain Back				
Dia. (in.)	Grit	Std. Pkg.	Order No.	Price Box
8	60/P60	25	**MG9452931**	Price
8	120/P120	100	**MG9452932**	Price
8	180/P180	100	**MG9452933**	Price
8	240/P240	100	**MG9452934**	Price
8	320/P400	100	**MG9452935**	Price
8	400/P800	100	**MG9452936**	Price
8	600/P1200	100	**MG9452937**	Price
12	60/P60	100	**MG9452938**	Price
12	120/P120	100	**MG9452939**	Price
12	180/P180	100	**MG9452940**	Price
12	240/P240	100	**MG9452941**	Price
12	320/P400	100	**MG9452942**	Price
12	400/P800	100	**MG9452943**	Price
12	600/P1200	100	**MG9452944**	Price

Style - PSA				
Dia. (in.)	Grit	Std. Pkg.	Order No.	Price Box
8	60/P60	100	**MG9452945**	Price
8	120/P120	100	**MG9452946**	Price
8	180/P180	100	**MG9452947**	Price
8	240/P240	100	**MG9452948**	Price
8	320/P400	100	**MG9452949**	Price
8	400/P800	100	**MG9452950**	Price
8	600/P1200	100	**MG9452951**	Price
12	60/P60	100	**MG9452952**	Price
12	120/P120	100	**MG9452953**	Price
12	180/P180	100	**MG9452954**	Price
12	240/P240	100	**MG9452955**	Price
12	320/P400	100	**MG9452956**	Price
12	400/P800	100	**MG9452957**	Price
12	600/P1200	100	**MG9452958**	Price

PASCO Hook & Loop Film-Backed Long Life Aluminum Oxide Sanding Discs



- Velcro
- Heat treated aluminum oxide grain on a strong .003" mylar backing with full phenolic resin bond for better grain adhesion and longer life
- Outperforms paper discs by up to 300%
- Non-loading zinc stereate treatment
- Strong yet pliable film for a superior finish

Dia. (in.)	Grit	Std. Pkg.	Order No.	Price Box
5	120	100	**MG9452527**	Price
5	150	100	**MG9452528**	Price
5	180	100	**MG9452529**	Price

PASCO Q711T Film-Backed Aluminum Oxide Sanding Discs



- Film backing - Strong, yet pliable .003" Mylar backing
- Film offers up to 4X the life vs. paper discs
- Longest lasting disc available by up to 300% over paper discs
- Uniform film backing with "P" graded abrasive for uniform finish
- Faster rate of cut, more consistent finish and longer life

Type - Disc on Roll				
Dia. (in.)	Grit	Std. Pkg.	Order No.	Price Box
5	80	100	**MG9451015**	Price
5	100	100	**MG9451016**	Price
5	120	100	**MG9451017**	Price
5	150	100	**MG9451018**	Price
5	180	100	**MG9451019**	Price
5	220	100	**MG9451020**	Price

Type - Disc with Tab				
Dia. (in.)	Grit	Std. Pkg.	Order No.	Price Box
5	80	100	**MG9451051**	Price
5	100	100	**MG9451052**	Price
5	120	100	**MG9451053**	Price
5	150	100	**MG9451054**	Price
5	180	100	**MG9451055**	Price
5	220	100	**MG9451056**	Price
5	240	100	**MG9451057**	Price
5	400	100	**MG9451060**	Price
5	600	100	**MG9451062**	Price
5	800	100	**MG9451063**	Price
5	1000	100	**MG9451064**	Price
6	120	100	**MG9451071**	Price
6	150	100	**MG9451072**	Price
6	180	100	**MG9451073**	Price
6	220	100	**MG9451074**	Price

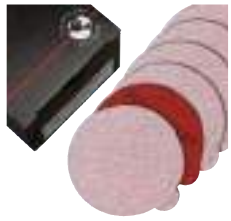
PASCO Q711T Hook & Loop Aluminum Oxide Discs



- Velcro
- Film backing - Strong, yet pliable .003 Mylar backing
- Film offers up to 4X the life vs. paper discs
- Longest lasting disc available by up to 300% over paper discs
- Uniform film backing with "P" graded abrasive for uniform finish
- Faster rate of cut, more consistent finish and longer life
- Sold in packs of 100

Dia. (in.)	Grit	Order No.	Price
5	80	**MG9451231**	Price
5	100	**MG9451232**	Price
5	120	**MG9451233**	Price
5	150	**MG9451234**	Price
5	180	**MG9451235**	Price
5	220	**MG9451236**	Price
5	320	**MG9451239**	Price
5	80	**MG9451303**	Price
5	100	**MG9451304**	Price
5	120	**MG9451305**	Price
5	150	**MG9451306**	Price
5	180	**MG9451307**	Price
5	220	**MG9451308**	Price

PASCO Film-Backed Long Life Aluminum Oxide Sanding Discs



- Heat treated aluminum oxide grain on a strong .003" Mylar backing with full phenolic resin bond for better grain adhesion and longer life
- Outperforms paper discs by up to 300%
- Non-loading zinc stereate treatment
- Strong yet pliable film for a superior finish

Dia. (in.)	Grit	Std. Pkg.	Order No.	Price Box
5	80	100	**MG9452405**	Price
5	100	100	**MG9452406**	Price
5	120	100	**MG9452407**	Price
5	150	100	**MG9452408**	Price
5	180	100	**MG9452409**	Price
5	220	100	**MG9452410**	Price

SURF PRO® Aluminum Oxide Cloth PSA Discs-No Hole Type

- For use on disc grinders and sanders
- Long wearing, fast cutting abrasive
- Heavy duty "X" weight resin cloth
- Easily removed without leaving residue on holders or backing plates



	100		120		36		40		60		80	
Dia. (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
2	SP11PSAD02100A	Price	SP11PSAD02120A	Price	-	-	SP11PSAD02040A	Price	SP11PSAD02060A	Price	SP11PSAD02080A	Price
3	SP11PSAD03100A	Price	SP11PSAD03120A	Price	-	-	SP11PSAD03040A	Price	SP11PSAD03060A	Price	SP11PSAD03080A	Price
5	SP11PSAD05100A	Price	SP11PSAD05120A	Price	SP11PSAD05036A	Price	SP11PSAD05040A	Price	SP11PSAD05060A	Price	SP11PSAD05080A	Price
6	SP11PSAD06100A	Price	SP11PSAD06120A	Price	SP11PSAD06036A	Price	SP11PSAD06040A	Price	SP11PSAD06060A	Price	SP11PSAD06080A	Price
8	SP11PSAD08100A	Price	SP11PSAD08120A	Price	SP11PSAD08036A	Price	SP11PSAD08040A	Price	SP11PSAD08060A	Price	SP11PSAD08080A	Price
9	SP11PSAD09100A	Price	SP11PSAD09120A	Price	SP11PSAD09036A	Price	SP11PSAD09040A	Price	SP11PSAD09060A	Price	SP11PSAD09080A	Price
10	SP11PSAD10100A	Price	SP11PSAD10120A	Price	SP11PSAD10036A	Price	SP11PSAD10040A	Price	SP11PSAD10060A	Price	SP11PSAD10080A	Price
12	SP11PSAD12100A	Price	SP11PSAD12120A	Price	SP11PSAD12036A	Price	SP11PSAD12040A	Price	SP11PSAD12060A	Price	SP11PSAD12080A	Price
15	SP11PSAD15100A	Price	-	-	SP11PSAD15036A	Price	SP11PSAD15040A	Price	SP11PSAD15060A	Price	SP11PSAD15080A	Price
16	SP11PSAD16100A	Price	SP11PSAD16120A	Price	SP11PSAD16036A	Price	SP11PSAD16040A	Price	SP11PSAD16060A	Price	SP11PSAD16080A	Price
20	SP11PSAD20100A	Price	SP11PSAD20120A	Price	SP11PSAD20036A	Price	SP11PSAD20040A	Price	SP11PSAD20060A	Price	SP11PSAD20080A	Price
24	SP11PSAD24100A	Price	SP11PSAD24120A	Price	SP11PSAD24036A	Price	SP11PSAD24040A	Price	SP11PSAD24060A	Price	SP11PSAD24080A	Price

SUPERIOR ABRASIVES PSA Discs - Blue Zirconium Abrasive

- Grind high nickel alloys and titanium
- Good for heavy pressure applications
- Remove welds and grind through inclusions like nodular cast iron

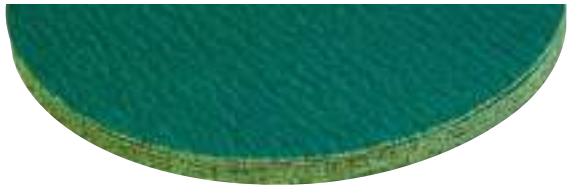


		36		40		50		60		80		120	
Dia.	Std. Pkg.	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
12	25	MM6417458	Price	MM6417459	Price	MM6417460	Price	MM6417461	Price	MM6417462	Price	MM6440497	Price
15	25	MM6417468	Price	MM6417469	Price	MM6417470	Price	MM6417471	Price	MM6417472	Price	-	-
16	25	MM6417473	Price	MM6417474	Price	MM6417475	Price	MM6417476	Price	MM6417477	Price	-	-
20	10	MM6417483	Price	MM6417484	Price	MM6417485	Price	MM6417486	Price	MM6417487	Price	MM6446648	Price
24	10	MM6417488	Price	MM6417489	Price	-	-	-	-	-	-	-	-

SUPERIOR ABRASIVES Zirconia with Grinding Aid Adhesive Cloth Backed Disc - No Hole

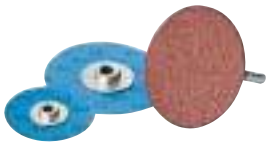
Zirconia Alumina Resin Bond Cloth

- Great stock removal on stainless
- Enhanced performance in high heat and pressure applications over standard zinc
- Grinding aid increases life and decreases the risk of discoloring the work piece



		36		40		50		60		80	
Dia. (in.)	Std. Pkg.	Order No.	Price Ea.	Order No.	Price Ea.	Order No.	Price Ea.	Order No.	Price Ea.	Order No.	Price Ea.
12	25	MM6416728	Price	MM6416919	Price	MM6419277	Price	MM6416729	Price	MM6418943	Price
15	25	MM6422385	Price	MM6421932	Price	MM6426010	Price	MM6425372	Price	MM6424915	Price
16	25	MM6421300	Price	MM6424693	Price	MM6422244	Price	MM6416057	Price	MM6421208	Price
20	10	MM6421012	Price	MM6421013	Price	MM6417152	Price	MM6424686	Price	MM6417154	Price
24	10	MM6421486	Price	MM6424036	Price	-	-	-	-	-	-

SURF PRO® Quick Change Abrasive Discs



Aluminum Oxide Grain Quick Change Discs:
- Best used for general purpose deburring and blending on ferrous and nonferrous metals
- Ideal for useon mild contours or flat surfaces
- Blends light welds, machine marks & parting lines

Zirconia Alumina Grain Quick Change Discs:
- Ideal for rapid stock removal on stainless steel and aluminum
- Best performance when medium to heavy pressure applied
- Cool running for extended stock removal and surface blending
- Significantly longer life, faster cutting action, increased productivity

Ceramic Grain Quick Change Discs:
- Outlasts aluminum oxide and zironia in many applications
- Cool, rapid stock removal on heat-sensitive metals, including stainless steel and high nickel alloys
- Edge deburring and blending, heavy flash and parting line removal on castings removal of heavy machine tool marks

*** See page 816 for Quick Change Disc Holders.**



Turn-On



Rol-On

SURF PRO® Aluminum Oxide Grain Quick Change Abrasive Discs

Dia. (in.) - 1-1/2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	SP11QCR15024A	Price	SP11QCT15024A	Price
36	SP11QCR15036A	Price	SP11QCT15036A	Price
40	SP11QCR15040A	Price	SP11QCT15040A	Price
50	SP11QCR15050A	Price	SP11QCT15050A	Price
60	SP11QCR15060A	Price	SP11QCT15060A	Price
80	SP11QCR15080A	Price	SP11QCT15080A	Price
100	SP11QCR15100A	Price	SP11QCT15100A	Price
120	SP11QCR15120A	Price	SP11QCT15120A	Price

Dia. (in.) - 2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	SP11QCR20024A	Price	SP11QCT20024A	Price
36	SP11QCR20036A	Price	SP11QCT20036A	Price
40	SP11QCR20040A	Price	SP11QCT20040A	Price
50	SP11QCR20050A	Price	SP11QCT20050A	Price
60	SP11QCR20060A	Price	SP11QCT20060A	Price
80	SP11QCR20080A	Price	SP11QCT20080A	Price
100	SP11QCR20100A	Price	SP11QCT20100A	Price
120	SP11QCR20120A	Price	SP11QCT20120A	Price

Dia. (in.) - 3				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	SP11QCR30024A	Price	SP11QCT30024A	Price
36	SP11QCR30036A	Price	SP11QCT30036A	Price
40	SP11QCR30040A	Price	SP11QCT30040A	Price
50	SP11QCR30050A	Price	SP11QCT30050A	Price
60	SP11QCR30060A	Price	SP11QCT30060A	Price
80	SP11QCR30080A	Price	SP11QCT30080A	Price
100	SP11QCR30100A	Price	SP11QCT30100A	Price
120	SP11QCR30120A	Price	SP11QCT30120A	Price

SURF PRO® Zirc Plus Grain Quick Change Abrasive Discs

Dia. (in.) - 1-1/2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	SP11QCR15024ZP	Price	SP11QCT15024ZP	Price
36	SP11QCR15036ZP	Price	SP11QCT15036ZP	Price
40	SP11QCR15040ZP	Price	SP11QCT15040ZP	Price
50	SP11QCR15050ZP	Price	SP11QCT15050ZP	Price
60	SP11QCR15060ZP	Price	SP11QCT15060ZP	Price
80	SP11QCR15080ZP	Price	SP11QCT15080ZP	Price

Dia. (in.) - 2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	SP11QCR20024ZP	Price	SP11QCT20024ZP	Price
36	SP11QCR20036ZP	Price	SP11QCT20036ZP	Price
40	SP11QCR20040ZP	Price	SP11QCT20040ZP	Price
50	SP11QCR20050ZP	Price	SP11QCT20050ZP	Price
60	SP11QCR20060ZP	Price	SP11QCT20060ZP	Price
80	SP11QCR20080ZP	Price	SP11QCT20080ZP	Price

Dia. (in.) - 3				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	SP11QCR30024ZP	Price	SP11QCT30024ZP	Price
36	SP11QCR30036ZP	Price	SP11QCT30036ZP	Price
40	SP11QCR30040ZP	Price	SP11QCT30040ZP	Price
50	SP11QCR30050ZP	Price	SP11QCT30050ZP	Price
60	SP11QCR30060ZP	Price	SP11QCT30060ZP	Price
80	SP11QCR30080ZP	Price	SP11QCT30080ZP	Price

SURF PRO® Ceramic Grain Quick Change Abrasive Discs

Diameter (in.) - 1-1/2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	SP11QCR15024C	Price	SP11QCT15024C	Price
36	SP11QCR15036C	Price	SP11QCT15036C	Price
40	SP11QCR15040C	Price	SP11QCT15040C	Price
50	SP11QCR15050C	Price	SP11QCT15050C	Price
60	SP11QCR15060C	Price	SP11QCT15060C	Price
80	SP11QCR15080C	Price	SP11QCT15080C	Price
100	SP11QCR15100C	Price	SP11QCT15100C	Price
120	SP11QCR15120C	Price	SP11QCT15120C	Price

Diameter (in.) - 2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	SP11QCR20024C	Price	SP11QCT20024C	Price
36	SP11QCR20036C	Price	SP11QCT20036C	Price
40	SP11QCR20040C	Price	SP11QCT20040C	Price
50	SP11QCR20050C	Price	SP11QCT20050C	Price
60	SP11QCR20060C	Price	SP11QCT20060C	Price
80	SP11QCR20080C	Price	SP11QCT20080C	Price
100	SP11QCR20100C	Price	SP11QCT20100C	Price
120	SP11QCR20120C	Price	SP11QCT20120C	Price

NORTON Norton AVOS The See Thru System

Norton AVOS Edger Speed-Lok Fibre Discs



- Patented hole design allows interupted cut which reduces heat up to 30% over standard round discs
- Cool cutting results in longer disc life
- Provides complete vision into the grinding zone
- NorZon Plus- Premium, self-sharpening zirconia alumina abrasive
- SG F986 - Premium, dense, self-sharpening SG ceramic grain with unique coating design. F986 has a self-lubricating, supersizing treatment

	Type - Norzon Plus						Type - SG F986			
	4-1/2		5		7		4-1/2		5	
Grit	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
24	MH61D0429718	Price	MH61D0526556	Price	-	-	-	-	MH61D0544046	Price
36	MH61D0429719	Price	-	-	MH61D0737455	Price	-	-	MH61D0544047	Price
50	MH61D0429720	Price	-	-	-	-	MH61D0429713	Price	-	-
60	MH61D0429721	Price	-	-	MH61D0737457	Price	-	-	MH61D0544049	Price
80	MH61D0429722	Price	-	-	-	-	-	-	-	-

QDC (Quick Disc Connect) Discs

- QDCs are staple items in many production shops
- Offers instant disc changes, assurance that the disc is centered and smooth running
- Works well on flat surfaces and most will perform well on contoured surfaces, too
- **Sold in boxes of 100 pcs only**



Size (in.) - 1-1/2						
	Alumina Zirconia		Alumina Zirconia - Lubricated		Aluminum Oxide	
Grit	Order No.	Price	Order No.	Price	Order No.	Price
24	**MM44QD024ZR150**	Price	-	-	**MM44QD024AO150**	Price
36	**MM44QD036ZR150**	Price	**MM44QD036ZRL150**	Price	**MM44QD036AO150**	Price
40	**MM44QD040ZR150**	Price	**MM44QD040ZRL150**	Price	**MM44QD040AO150**	Price
50	**MM44QD050ZR150**	Price	**MM44QD050ZRL150**	Price	**MM44QD050AO150**	Price
60	**MM44QD060ZR150**	Price	**MM44QD060ZRL150**	Price	**MM44QD060AO150**	Price
80	**MM44QD080ZR150**	Price	**MM44QD080ZRL150**	Price	**MM44QD080AO150**	Price
100	-	-	-	-	**MM44QD100AO150**	Price
120	**MM44QD120ZR150**	Price	**MM44QD120ZRL150**	Price	**MM44QD120AO150**	Price

Size (in.) - 2						
	Alumina Zirconia		Alumina Zirconia - Lubricated		Aluminum Oxide	
Grit	Order No.	Price	Order No.	Price	Order No.	Price
24	**MM44QD024ZR200**	Price	-	-	**MM44QD024AO200**	Price
36	**MM44QD036ZR200**	Price	**MM44QD036ZRL200**	Price	**MM44QD036AO200**	Price
40	**MM44QD040ZR200**	Price	**MM44QD040ZRL200**	Price	**MM44QD040AO200**	Price
50	**MM44QD050ZR200**	Price	**MM44QD050ZRL200**	Price	**MM44QD050AO200**	Price
60	**MM44QD060ZR200**	Price	**MM44QD060ZRL200**	Price	**MM44QD060AO200**	Price
80	**MM44QD080ZR200**	Price	**MM44QD080ZRL200**	Price	**MM44QD080AO200**	Price
100	-	-	-	-	**MM44QD100AO200**	Price
120	**MM44QD120ZR200**	Price	**MM44QD120ZRL200**	Price	**MM44QD120AO200**	Price

Steel Mandrels for QDC Discs

- Observe appropriate safety regulations
- Use eye, face, hearing, respiratory, hand and body protection when using abrasive products



Use with Disc Size (in.)	Order No.	Price
1-1/2	**MM44SL100**	Price
2 & 3	**MM44SL101**	Price

Neon Cloth Discs

- Our unique premium abrasive and aluminum oxide blend provides aggressive cut and longer life than competitive aluminum oxide materials
- The new resin system improves base adhesion and reduces grain shedding
- Durable, Y -wt. 2-ply polyester backing stands up to demanding applications
- New grain coating ensures life and faster cut rate



Note: 1-1/2" Holder - TS: MH61A43200 TR: MH61A47500
2" Holder - TS: MH61A43210 TR: MH61A55103
3" Holder - TS: MH61A43225 TR: MH6155105



TR



TS

			TR		TS	
Dia. (in.)	Grit	Std. Pkg.	Order No.	Price	Order No.	Price
1-1/2	36	100	**MH61D0118977**	Price	**MH61D0118972**	Price
1-1/2	40	100	**MH61D0118978**	Price	**MH61D0118973**	Price
1-1/2	50	100	**MH61D0118979**	Price	**MH61D0118974**	Price
1-1/2	60	100	**MH61D0118980**	Price	**MH61D0118975**	Price
1-1/2	80	100	**MH61D0118981**	Price	**MH61D0118976**	Price
2	24	100	**MH61D0219013**	Price	**MH61D0219011**	Price
2	36	100	**MH61D0219005**	Price	**MH61D0218999**	Price
2	40	100	**MH61D0219006**	Price	**MH61D0219000**	Price
2	50	100	**MH61D0219007**	Price	**MH61D0219001**	Price
2	60	100	**MH61D0219008**	Price	**MH61D0219003**	Price
2	80	100	**MH61D0219009**	Price	**MH61D0219004**	Price
3	24	50	**MH61D0319026**	Price	**MH61D0319020**	Price
3	36	50	**MH61D0319027**	Price	**MH61D0319021**	Price
3	40	50	**MH61D0319028**	Price	**MH61D0319022**	Price
3	50	50	**MH61D0319029**	Price	**MH61D0319023**	Price
3	60	50	**MH61D0319030**	Price	**MH61D0319024**	Price
3	80	50	**MH61D0319031**	Price	**MH61D0319025**	Price

Cloth Discs

Blaze R980P:

- Next generation, Norton SG ceramic alumina grain with self lubricating, supersize treatment provides coolest cut; significantly faster cut rates
- Heaviest Y-wt. polyester cloth backing, for greatest durability, longest life, and edge-fray resistance on tough applications and stainless steel
- 3-ply heavy duty laminate discs (yellow backing) are ideal when durability and long life are required.





TR



TS

Bluefire R884P:



- Premium, versatile, self-sharpening zirconia alumina plus grain provides aggressive cut and up to 15% longer life than competitive zirconia alumina products
- Upgraded resin bond improves base adhesion and reduces grain shedding
- New grain coating results in longer life and faster cut rate
- Semi open coat retards loading on soft metals (aluminum, brass, and bronze) and wood, as well as stainless steel and carbon steel
- Durable, Y-wt., 2-ply polyester backing stands up to demanding applications; high pressure and hard-to-grind exotic alloys

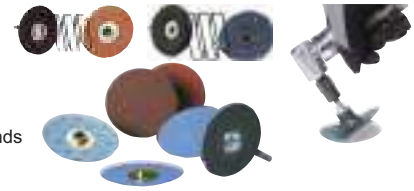
			Blaze Ceramic Alumina				Bluefire Zirconia Alumina			
			TR		TS		TR		TS	
Dia. (in.)	Grit	Std. Pkg.	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1-1/2	120	100	**MH61D0143380**	Price	**MH61D0143379**	Price	-	-	-	-
1-1/2	36	100	**MH61D0162308**	Price	**MH61D0162307**	Price	**MH61D0121041**	Price	**MH61D0138624**	Price
1-1/2	50	100	**MH61D0162310**	Price	**MH61D0162309**	Price	-	-	**MH61D0138622**	Price
1-1/2	60	100	**MH61D0162312**	Price	**MH61D0162311**	Price	**MH61D0121043**	Price	**MH61D0138621**	Price
1-1/2	80	100	**MH61D0162314**	Price	**MH61D0162313**	Price	**MH61D0121044**	Price	**MH61D0138620**	Price
2	100	25	**MH61D0243383**	Price	**MH61D0243382**	Price	-	-	-	-
2	120	25	**MH61D0243386**	Price	**MH61D0243384**	Price	-	-	-	-
2	24	25	-	-	-	-	**MH61D0238672**	Price	**MH61D0238638**	Price
2	36	25	**MH61D0262318**	Price	**MH61D0262317**	Price	**MH61D0238671**	Price	**MH61D0238637**	Price
2	50	25	**MH61D0262320**	Price	**MH61D0262319**	Price	**MH61D0238670**	Price	**MH61D0238635**	Price
2	60	25	**MH61D0262322**	Price	**MH61D0262321**	Price	**MH61D0221048**	Price	**MH61D0238634**	Price
2	80	25	**MH61D0262324**	Price	**MH61D0262323**	Price	**MH61D0221049**	Price	**MH61D0238633**	Price
3	100	25	**MH61D0343390**	Price	**MH61D0343389**	Price	-	-	-	-
3	120	25	**MH61D0343392**	Price	**MH61D0343391**	Price	-	-	-	-
3	24	25	-	-	-	-	**MH61D0338675**	Price	**MH61D0338665**	Price
3	36	25	**MH61D0362328**	Price	**MH61D0362327**	Price	**MH61D0338674**	Price	**MH61D0338664**	Price
3	50	25	**MH61D0362330**	Price	**MH61D0362329**	Price	**MH61D0338673**	Price	**MH61D0338662**	Price
3	60	25	**MH61D0362332**	Price	**MH61D0362331**	Price	**MH61D0321053**	Price	**MH61D0338661**	Price
3	80	25	**MH61D0362334**	Price	**MH61D0362333**	Price	**MH61D0321054**	Price	**MH61D0338660**	Price

MERIT Aluminum Oxide Quick Change Discs

PowerLock fx

Turn-On and Rol-On Type

- Flexible all-purpose alternative to traditional quick-change discs is ideal for contoured or flat surfaces
- For weld removal, the most common grits used are 36-50, while 60-120 grits are used for removal of imperfections and blending
- Discs have added flexibility and are used on a wide range of applications
- Won't gouge your work piece
- Rolls easily into contours
- Removes machine marks & blends light welds



Dia. (in.) - 1				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	MM5961886	Price	MM5968881	Price
36	MM5961887	Price	MM5968479	Price
40	-	-	MM5968480	Price
50	MM5961889	Price	-	-
60	MM5961890	Price	MM5968431	Price
80	MM5961891	Price	MM5968432	Price
100	MM5961892	Price	-	-
120	MM5961893	Price	MM5968434	Price

Dia. (in.) - 2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	MM5961914	Price	MM5968883	Price
36	MM5961915	Price	MM5968495	Price
40	MM5961916	Price	MM5968496	Price
50	MM5961917	Price	MM5968497	Price
60	MM5961918	Price	MM5968438	Price
-	-	-	MM5968439	Price
100	MM5961920	Price	MM5968498	Price
120	-	-	MM5968440	Price

Dia. (in.) - 1-1/2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	-	-	MM5968882	Price
36	MM5961900	Price	MM5968487	Price
40	MM5961901	Price	MM5968488	Price
50	MM5961903	Price	MM5968489	Price
60	-	-	MM5968435	Price
80	MM5961905	Price	MM5968436	Price
100	MM5961906	Price	MM5968490	Price
120	MM5961907	Price	MM5968437	Price

Dia. (in.) - 3				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	MM5961926	Price	MM5968884	Price
36	MM5961929	Price	MM5968503	Price
40	MM5961930	Price	MM5968504	Price
50	MM5961931	Price	MM5968505	Price
60	MM5961933	Price	MM5968441	Price
80	MM5961935	Price	MM5968442	Price
100	MM5961936	Price	MM5968506	Price
120	MM5961938	Price	MM5968443	Price

MERIT Zirc Plus Quick Change Discs

PowerLock fx

Turn-On and Rol-On Type

- Improved zirconia alumina with a grinding aid
- Faster cutting action
- Increased productivity
- Significantly longer life



Rol-On



Turn-On



Dia. (in.) - 1				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM5962460	Price	MM5961443	Price
60	MM5962461	Price	MM5961444	Price
80	MM5962462	Price	MM5961448	Price
120	MM5962463	Price	-	-

Dia. (in.) - 2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM5962468	Price	MM5961462	Price
60	MM5962459	Price	MM5961463	Price
80	MM5962456	Price	MM5961464	Price
120	MM5962457	Price	MM5961465	Price

Dia. (in.) - 1-1/2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM5962464	Price	MM5961450	Price
60	MM5962465	Price	MM5961454	Price
80	-	-	MM5961456	Price

Dia. (in.) - 3				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM5962467	Price	MM5961467	Price
60	-	-	MM5961468	Price
80	MM5962388	Price	MM5961469	Price
120	MM5962470	Price	MM5961472	Price

MERIT Ceramic Blend Quick Change Discs

PowerLock

Turn-On, Rol-On Types

- A ceramic blend that cuts faster, reduces heat build up and outlasts alulminum oxide and zirconia in many applications



Dia. (in.) - 2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
40	MM5961359	Price	MM5961353	Price
-	MM5963607	Price	-	-
60	MM5961360	Price	MM5961354	Price
80	MM5961361	Price	MM5961356	Price
120	MM5968657	Price	MM5968654	Price

Dia. (in.) - 3				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
-	MM5961316	Price	MM5961303	Price
40	MM5961318	Price	MM5961304	Price
-	-	-	MM5968469	Price
60	MM5961322	Price	MM5961300	Price
80	MM5961323	Price	MM5961301	Price
-	MM5961324	Price	MM5961302	Price
120	MM5968658	Price	MM5968655	Price

Quick Change Discs/Holder Mounting Types

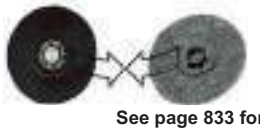
Quick Change TS System: Metal-to-Metal quick change system. Disc has a female screw type button and holder has a male socket. Also known as SocAtt, Type II, Type S, Turn-on, TS, Speedlok TS, Roloc TS/TSM



Quick Change TR System: Features a common nylon threaded (screw type) male hub and holder has a metal female socket. Also known as Lockit, Type III, Type R, Rol-on, TR, Speedlok TR, Roloc TR.



Quick Change TP System: Features a snap-on/snap-off nylon fastening hub and holder. Also known as ClickOn, Type I, Type TP, Snap-on, TP, Speedlok TP, Roloc TP.



See page 833 for holders

MERIT Aluminum Oxide Quick Change Discs

PowerLock

Turn-On, Snap-On, Rol-On

- Used for general purpose deburring and blending on ferrous and nonferrous metals where greater edge durability is required
- Stiff orange laminated backing
- Most aggressive disc in the industry
- Ideal for use on mild contours or flat surfaces
- Eliminiates snagging & Shredding
- Blends light welds, machine marks & parting lines





Dia. (in.) - 1						
	Rol-On		Snap-On		Turn-On	
Grit	Order No.	Price	Order No.	Price	Order No.	Price
24	-	-	MM5961014	Price	MM5999613	Price
36	MM5999682	Price	MM5961015	Price	MM5999614	Price
40	-	-	MM5961016	Price	-	-
50	MM5999684	Price	MM5961017	Price	-	-
60	-	-	MM5999753	Price	MM5965119	Price
80	MM5966185	Price	MM5999754	Price	-	-
100	MM5961364	Price	MM5999755	Price	-	-
120	MM5999688	Price	MM5961021	Price	-	-

Dia. (in.) - 1-1/2						
	Rol-On		Snap-On		Turn-On	
Grit	Order No.	Price	Order No.	Price	Order No.	Price
24	MM5964969	Price	-	-	MM5965130	Price
36	MM5999694	Price	MM5961028	Price	MM5999626	Price
40	MM5999695	Price	MM5961029	Price	-	-
60	-	-	MM5999765	Price	MM5999629	Price
80	MM5999698	Price	MM5961032	Price	MM5999630	Price
100	MM5999699	Price	MM5961033	Price	MM5999631	Price
120	MM5999700	Price	MM5999768	Price	MM5999632	Price

Dia. (in.) - 2						
	Rol-On		Snap-On		Turn-On	
Grit	Order No.	Price	Order No.	Price	Order No.	Price
24	-	-	-	-	MM5965145	Price
36	MM5999706	Price	MM5999774	Price	MM5965146	Price
40	MM5966353	Price	MM5961043	Price	MM5999639	Price
50	MM5999708	Price	MM5999776	Price	MM5999640	Price
60	MM5999709	Price	MM5999777	Price	MM5965149	Price
80	MM5999710	Price	MM5999778	Price	MM5965150	Price
100	MM5999711	Price	MM5999779	Price	MM5999643	Price
120	MM5999712	Price	MM5999780	Price	MM5999644	Price

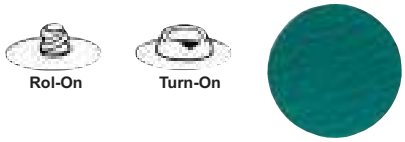
Dia. (in.) - 3						
	Rol-On		Snap-On		Turn-On	
Grit	Order No.	Price	Order No.	Price	Order No.	Price
24	MM5961214	Price	-	-	MM5999649	Price
36	MM5999718	Price	MM5999786	Price	MM5999650	Price
40	MM5964939	Price	MM5961057	Price	MM5999651	Price
50	-	-	-	-	MM5965163	Price
60	MM5999721	Price	MM5999789	Price	MM5999653	Price
80	MM5999722	Price	MM5999790	Price	MM5999654	Price
100	MM5966189	Price	MM5999791	Price	MM5999655	Price
120	MM5999724	Price	MM5999792	Price	MM5999656	Price

MERIT Ceramic Blend Quick Change Discs

Turn-On, Rol-On Types

- A ceramic blend that cuts faster, reduces heat build up and outlasts alulminum oxide and zirconia in many applications

PowerLock



Dia. (in.) - 2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
40	MM5961359	Price	MM5961353	Price
50	MM5963607	Price	-	-
60	MM5961360	Price	MM5961354	Price
80	MM5961361	Price	MM5961356	Price
120	MM5968657	Price	MM5968654	Price

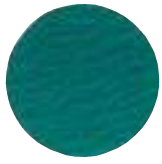
Dia. (in.) - 3				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM5961316	Price	MM5961303	Price
40	MM5961318	Price	MM5961304	Price
50	-	-	MM5968469	Price
60	MM5961322	Price	MM5961300	Price
80	MM5961323	Price	MM5961301	Price
100	MM5961324	Price	MM5961302	Price
120	MM5968658	Price	MM5968655	Price

MERIT Zirc Plus Quick Change Discs

Improved Zirconia Alumina with a Grinding Aid
Turn-On, Snap-On, Rol-On

- Faster cutting action
- Increased productivity
- Significantly longer life





PowerLock

Dia. (in.) - 2						
	Rol-On		Snap-On		Turn-On	
Grit	Order No.	Price	Order No.	Price	Order No.	Price
36	MM5967107	Price	MM5967023	Price	MM5967065	Price
40	MM5967108	Price	MM5967024	Price	MM5967066	Price
50	MM5967109	Price	MM5967025	Price	MM5965583	Price
60	MM5967110	Price	MM5967026	Price	MM5967068	Price
80	MM5967111	Price	MM5967027	Price	MM5967069	Price
120	MM5967113	Price	MM5967029	Price	MM5967071	Price

Dia. (in.) - 3						
	Rol-On		Snap-On		Turn-On	
Grit	Order No.	Price	Order No.	Price	Order No.	Price
36	MM5967114	Price	MM5967030	Price	MM5967072	Price
40	MM5967115	Price	MM5967031	Price	MM5967073	Price
50	MM5967116	Price	MM5967032	Price	MM5967074	Price
60	MM5967117	Price	MM5967033	Price	MM5967075	Price
80	MM5967118	Price	MM5967034	Price	MM5967076	Price
120	MM5967120	Price	MM5967036	Price	MM5967078	Price

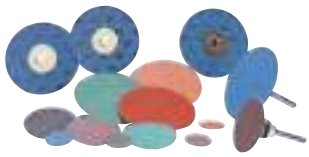
Quick Change Disc Holder Pads



	Rol-On		Turn-On		Snap-On	
Dia. (in.)	Order No.	Price	Order No.	Price	Order No.	Price
1	MM5964037	Price	MM5964651	Price	MM5964002	Price
2	MM5964922	Price	MM5964198	Price	MM5964004	Price
3	MM5964949	Price	MM5964113	Price	MM5964005	Price
1-1/2	MM5961174	Price	MM5964146	Price	MM5964003	Price

STANDARD ABRASIVES Aluminum Oxide 2 Ply Discs

- Available in TS (SocAtt®) Turn-On and TR (Lockit®) Rol-On attachment styles
- SocAtt®/Turn-On features an all metal attachment on the holder pad and disc
- Lockit®/Rol-On features a common nylon threaded screw-type hub
- Best disc for general purpose grinding, deburring and blending on ferrous metals
- Ideal for flat or contour surface
- Our most popular disc
- Color: brown



Dia. (in.) - 1				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	MM30592201	Price	MM30522201	Price
36	MM30592202	Price	MM30522202	Price
40	MM30592203	Price	MM30522203	Price
50	MM30592204	Price	MM30522204	Price
60	MM30592205	Price	MM30522205	Price
80	MM30592206	Price	MM30522206	Price
100	MM30592207	Price	MM30522207	Price
120	MM30592208	Price	MM30522208	Price

Dia. (in.) - 1-1/2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	MM30592301	Price	MM30522301	Price
36	MM30592302	Price	MM30522302	Price
40	MM30592303	Price	MM30522303	Price
50	MM30592304	Price	MM30522304	Price
60	MM30592305	Price	MM30522305	Price
80	MM30592306	Price	MM30522306	Price
100	MM30592307	Price	MM30522307	Price
120	MM30592308	Price	MM30522308	Price

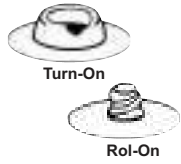
Dia. (in.) - 2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	MM30592401	Price	MM30522401	Price
36	MM30592402	Price	MM30522402	Price
40	MM30592403	Price	MM30522403	Price
50	MM30592404	Price	MM30522404	Price
60	MM30592405	Price	MM30522405	Price
80	MM30592406	Price	MM30522406	Price
100	MM30592407	Price	MM30522407	Price
120	MM30592408	Price	MM30522408	Price
150	-	-	MM30522409	Price
180	MM30592410	Price	-	-
240	-	-	MM30522411	Price
320	MM30592412	Price	MM30522412	Price

Dia. (in.) - 3				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	MM30592501	Price	MM30522501	Price
36	MM30592502	Price	MM30522502	Price
40	-	-	MM30522503	Price
50	MM30592504	Price	MM30522504	Price
60	MM30592505	Price	MM30522505	Price
80	MM30592506	Price	MM30522506	Price
100	MM30592507	Price	MM30522507	Price
120	MM30592508	Price	MM30522508	Price
150	-	-	MM30522509	Price
180	MM30592510	Price	-	-
240	MM30592511	Price	-	-
320	MM30592512	Price	-	-

4" & 5" sizes available. Call for price and delivery.

STANDARD ABRASIVES Zirconia Pro 2 Ply Discs

- Available in SocAtt®/Turn-On and Lockit®/Rol-On attachment styles
- SocAtt®/Turn-On features an all metal attachment on the holder pad and disc
- Lockit®/Rol-On features a common nylon threaded screw-type hub
- Ideal for rapid stock removal on stainless steel and aluminum
- Best performance when medium to heavy pressure applied
- Cool running for extended stock removal and surface blending
- Grinding aid
- Fused Zirconium grain with lubricated super-size coating
- Color: green



Dia. (in.) - 1-1/2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM30598322	Price	MM30528322	Price
40	MM30598323	Price	MM30528323	Price
50	MM30598324	Price	MM30528324	Price
60	MM30598325	Price	MM30528325	Price
80	MM30598326	Price	MM30528326	Price

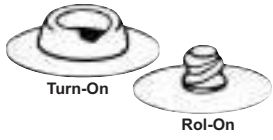
Dia. (in.) - 2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM30598422	Price	MM30528422	Price
40	MM30598423	Price	MM30528423	Price
50	MM30598424	Price	MM30528424	Price
60	MM30598425	Price	MM30528425	Price
80	MM30598426	Price	MM30528426	Price
120	MM30598428	Price	MM30528428	Price

Dia. (in.) - 3				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM30598522	Price	MM30528522	Price
40	MM30598523	Price	MM30528523	Price
50	MM30598524	Price	MM30528524	Price
60	MM30598525	Price	MM30528525	Price
80	MM30598526	Price	MM30528526	Price
120	MM30598528	Price	MM30528528	Price

4" & 5" sizes available. Call for price and delivery.

STANDARD ABRASIVES Aluminum Oxide Pro™ 2 Ply Discs

- Available in SocAtt®/Turn-On and Lockit®/Rol-On attachment styles
- SocAtt®/Turn-On features an all metal attachment on the holder pad and disc
- Lockit®/Rol-On features a common nylon threaded screw-type hub
- Best disc for general purpose, grinding and deburring, when greater edge durability is required
- For use of ferrous and non-ferrous metals
- Highest initial rate of cut of all A/O discs
- Longest sustained rate of cut of all A/O discs
- Ideal for prolonged edge work
- Color: brown



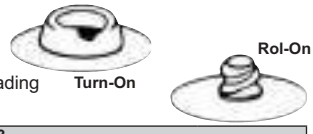
Dia. (in.) - 2				
	Turn-On		Rol-On	
Grit	Order No.	Price	Order No.	Price
36	MM30529402	Price	MM30599402	Price
40	MM30528223	Price	MM30599403	Price
50	-	-	MM30599404	Price
60	MM30529405	Price	-	-
100	MM30529407	Price	MM30599407	Price
120	MM30528228	Price	MM30599408	Price
80	MM30528226	Price	-	-

Dia. (in.) - 3				
	Turn-On		Rol-On	
Grit	Order No.	Price	Order No.	Price
24	MM30529501	Price	MM30599501	Price
36	MM30529502	Price	-	-
40	MM30529503	Price	MM30599503	Price
50	-	-	MM30599504	Price
60	MM30529505	Price	-	-
80	MM30529506	Price	MM30599506	Price
100	MM30529507	Price	MM30599507	Price
120	MM30529508	Price	MM30599508	Price

4" & 5" sizes available. Call for price and delivery.

STANDARD ABRASIVES Aluminum Oxide Xtra™ 2 Ply Discs

- Available in SocAtt®/Turn-On and Lockit®/Rol-On attachment styles
- SocAtt®/Turn-On features an all metal attachment on the holder pad and disc
- Lockit®/Rol-On features a common nylon threaded screw-type hub
- Best disc for difficult to grind metals
- Ideal for flat or contour surfaces
- Grinding aid reduces heat generation and loading
- Color: light brown



Dia. (in.) - 2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM30592452	Price	MM30522452	Price
40	MM30592453	Price	MM30522453	Price
50	MM30592454	Price	MM30522454	Price
60	MM30592455	Price	MM30522455	Price
80	MM30592456	Price	MM30522456	Price
100	MM30592457	Price	MM30522457	Price
120	MM30592458	Price	MM30522458	Price

Dia. (in.) - 3				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM30592552	Price	MM30522552	Price
40	MM30592553	Price	MM30522553	Price
50	MM30592554	Price	MM30522554	Price
60	MM30592555	Price	MM30522555	Price
80	MM30592556	Price	MM30522556	Price
100	MM30592557	Price	MM30522557	Price
120	MM30592558	Price	MM30522558	Price

1", 1-1/2, 4" & 5" sizes available. Call for price and delivery.

STANDARD ABRASIVES 3" Edge Pro Surface Conditioning Disc



- These discs fill the void where grinding and stock removal leave off and finishing, graining and blending start
- With EdgePro's unique bottle-cap shape and versatility and SoftEdge's flexibility, these discs adapt easily to the contour of any part being finished
- Pre-formed shape provides easy blending of irregular shapes, corners and inside radii
- Blending mill and tool marks on machined surfaces
- Removing micro-burrs caused by coated abrasives
- Reducing surface roughness for paint preparation
- TS (SocAtt®) mount


Turn-On

Grade	Order No.	Price
Very Fine	**MM30840453**	Price

Also available in Lockit style attachment system.

STANDARD ABRASIVES Flexible Edge Aluminum Oxide 2 Ply Discs

- These discs fill the void where grinding and stock removal leave off and finishing, graining and blending start
- With EdgePro's unique bottle-cap shape and versatility and SoftEdge's flexibility, these discs adapt easily to the contour of any part being finished
- Best disc where greater edge flexibility is required
- Ideal for contour and difficult to reach surfaces
- Maximum cut rate and stock removal without damaging the radius or surface transition
- Best performance in reducing heavy mill marks in step areas, corners and transitional surfaces
- TS (SocAtt®) mount





Dia. (in.) - 1		
Grit	Order No.	Price
50	**MM30523204**	Price
100	**MM30523207**	Price

Dia. (in.) - 1-1/2		
Grit	Order No.	Price
50	**MM30523304**	Price
60	**MM30523305**	Price
80	**MM30523306**	Price
100	**MM30523307**	Price
180	**MM30523310**	Price

Dia. (in.) - 2		
Grit	Order No.	Price
50	**MM30523404**	Price
180	**MM30523410**	Price

Dia. (in.) - 3		
Grit	Order No.	Price
50	**MM30523504**	Price

STANDARD ABRASIVES TS (SocAtt®) Holder Pads


Turn-On



Style - Edge Pro		
Size (in.)	Order No.	Price
For 3" Discs	**MM30541360**	Price

Style - Flexible Edge		
Size (in.)	Order No.	Price
For 3/4" Discs	**MM30541051**	Price
For 1" Discs	**MM30541052**	Price
For 1-1/2" Discs	**MM30541054**	Price

STANDARD ABRASIVES Ceramic Quick Change Discs



- Best disc for: Cool, rapid stock removal on all heat-sensitive metals, including Stainless Steel and High Nickel Alloys. Highest edge durability in the industry
- Highest rate of cut of all Quick Change discs
- Ideal for prolonged edge work
- Highest stock removal on flat surfaces
- Stiffness equal to Resin Fiber disc


Rol-On


Turn-On

Dia. (in.) - 1-1/2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
40	-	-	**MM30527313**	Price
60	**MM30597315**	Price	**MM30527315**	Price
80	**MM30597316**	Price	**MM30527316**	Price
120	**MM30597318**	Price	**MM30527318**	Price

Dia. (in.) - 2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	**MM30594480**	Price	**MM30524480**	Price
40	**MM30597413**	Price	**MM30527413**	Price
60	**MM30597415**	Price	**MM30527415**	Price
80	**MM30597416**	Price	**MM30527416**	Price
120	**MM30597418**	Price	**MM30527418**	Price

Dia. (in.) - 3				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	**MM30594580**	Price	**MM30524580**	Price
36	-	-	**MM30524581**	Price
50	**MM30594583**	Price	**MM30524583**	Price
40	**MM30597513**	Price	**MM30527513**	Price
60	**MM30597515**	Price	**MM30527515**	Price
80	**MM30597516**	Price	**MM30527516**	Price
120	**MM30597518**	Price	**MM30527518**	Price

Dia. (in.) - 4				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	**MM30594680**	Price	-	-
36	-	-	**MM30524681**	Price
40	**MM30597613**	Price	-	-
60	-	-	**MM30527615**	Price
80	**MM30597616**	Price	**MM30527616**	Price
120	**MM30597618**	Price	**MM30527618**	Price

STANDARD ABRASIVES Quick Change Holder Pads

- For coated and surface conditioning discs




Rol-On


Turn-On

	Turn-On		Rol-On	
Dia. (in.)	Order No.	Price	Order No.	Price
1-1/2	**MM5964146**	Price	**MM5961174**	Price
1	**MM5964651**	Price	**MM5964037**	Price
3 Firm	**MM30541061**	Price	-	-
3 Soft	**MM30541059**	Price	-	-

STANDARD ABRASIVES Quick Change Zirconia Resin Fibre Discs

- Alumina Zirconia disc constructed on a fiber backing
- Provides a good option for both stainless and mild steel applications
- General purpose




Rol-On


Turn-On

Diameter (in.) - 2				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	**MM30595492**	Price	**MM30525492**	Price
50	**MM30595494**	Price	**MM30525494**	Price
60	**MM30595495**	Price	**MM30525495**	Price
80	**MM30595496**	Price	**MM30525496**	Price

Diameter (in.) - 3				
	Rol-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	**MM30595592**	Price	**MM30525592**	Price
50	**MM30595594**	Price	**MM30525594**	Price
60	**MM30595595**	Price	**MM30525595**	Price
80	-	-	**MM30525596**	Price

Aluminum Oxide Quick Change Discs



- General purpose grinding and deburring
- Great for aggressive stock removal and blending
- Ideal for surface leveling, pit, and gouge removal


Roll-On


Turn-On

Diameter - 1				
	Roll-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM6435361	Price	-	-
40	MM6442716	Price	MM6411088	Price
50	MM6434998	Price	MM6411089	Price
60	MM6411193	Price	MM6411090	Price
80	MM6411194	Price	MM6411091	Price
100	MM6438037	Price	MM6411092	Price
120	MM6411196	Price	MM6411093	Price

Diameter - 1-1/2				
	Roll-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM6411202	Price	MM6411099	Price
40	MM6411203	Price	MM6411100	Price
50	MM6411204	Price	MM6411101	Price
60	MM6411205	Price	MM6411102	Price
80	MM6411206	Price	MM6411103	Price
100	MM6411207	Price	MM6411104	Price
120	MM6411208	Price	MM6411105	Price

Diameter - 2				
	Roll-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	MM6411213	Price	MM6411110	Price
36	MM6411214	Price	MM6411111	Price
40	MM6411215	Price	MM6411112	Price
50	MM6411216	Price	MM6411113	Price
60	MM6411217	Price	MM6411114	Price
80	MM6411218	Price	MM6411115	Price
100	MM6411219	Price	MM6411116	Price
120	MM6411220	Price	MM6411117	Price

Diameter - 3				
	Roll-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
24	MM6411225	Price	MM6411122	Price
36	MM6411226	Price	MM6411123	Price
40	MM6411227	Price	MM6411124	Price
50	MM6411228	Price	MM6411125	Price
60	MM6411229	Price	MM6411126	Price
80	MM6411230	Price	MM6411127	Price
100	MM6411231	Price	MM6411128	Price
120	MM6411232	Price	MM6411129	Price

See page 810 for Quick-Change Disc Holdes

Rigid Kut® - Aluminum Oxide Quick Change Discs



- Our most firm disc, as stiff as a fiber disc with better grain retention
- Excels at aggressive deburring applications where other discs fail
- Deburr interrupted cuts without snagging or disc fly-off


Roll-On


Turn-On



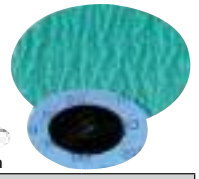
Diameter - 2				
	Roll-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM6446871	Price	MM6446853	Price
50	MM6446872	Price	MM6446854	Price
60	MM6446873	Price	MM6446855	Price
80	MM6446874	Price	MM6446856	Price
120	-	-	MM6446858	Price

Diameter - 3				
	Roll-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM6446877	Price	MM6446859	Price
50	MM6446878	Price	MM6446860	Price
60	MM6446879	Price	MM6446861	Price
80	MM6446880	Price	MM6446862	Price
120	MM6446882	Price	MM6446864	Price

See page 816 for Quick-Change Disc Holders

Zirconia Alumina with Grinding Aid Quick Change Discs





- Aggressive stock removal on all metals including stainless steel
- Ideal for moderate to heavy pressure applications
- The grinding aid reduces heat buildup and extends life


Roll-On


Turn-On

Diameter - 1-1/2				
	Roll-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM6436671	Price	MM6436665	Price
50	MM6436673	Price	MM6436667	Price
60	MM6436674	Price	MM6436668	Price
80	MM6436675	Price	MM6436669	Price
120	MM6436676	Price	MM6436670	Price

Diameter - 2				
	Roll-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM6436683	Price	MM6436677	Price
50	MM6436685	Price	MM6436679	Price
60	MM6436686	Price	MM6436680	Price
80	MM6436687	Price	MM6436681	Price
120	MM6436688	Price	MM6436682	Price

Diameter - 3				
	Roll-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM6436695	Price	MM6436689	Price
50	MM6436697	Price	MM6436691	Price
60	MM6436698	Price	MM6436692	Price
80	MM6436699	Price	MM6436693	Price
120	MM6436700	Price	MM6436694	Price

See page 816 for Quick-Change Disc Holders

Kushion Kut® - Aluminum Oxide Quick Change Discs



- Highly flexible disc, ideal for contour sanding with finessed control
- Great for transition grinding, reducing work piece gouging
- Must use Kushion Kut holders


Roll-On

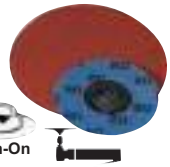

Turn-On

Diameter - 2				
	Roll-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
60	MM6449457	Price	MM6449430	Price
80	MM6449458	Price	MM6449431	Price
120	MM6449460	Price	MM6449433	Price

Diameter - 3				
	Roll-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
60	MM6449466	Price	MM6449439	Price
80	MM6449467	Price	MM6449440	Price
120	MM6449469	Price	MM6449442	Price

See page 816 for Quick-Change Disc Holders

Ceramic with Grinding Aid Quick Change Discs



- Ideal for nickel alloys and heat sensitive metals
- Continuous, aggressive cutting action with self-sharpening grain
- Longest life with maximum grain retention of all quick change products


Roll-On


Turn-On

Diameter - 2				
	Roll-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM6440329	Price	MM6440311	Price
50	MM6440331	Price	MM6440313	Price
60	MM6440332	Price	MM6440314	Price
80	MM6440333	Price	MM6440315	Price
120	MM6440334	Price	MM6440316	Price

Diameter - 3				
	Roll-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM6440335	Price	MM6440317	Price
50	MM6440337	Price	MM6440319	Price
60	MM6440338	Price	MM6440320	Price
80	MM6440339	Price	MM6440321	Price
120	MM6440340	Price	MM6440322	Price

See page 816 for Quick-Change Disc Holders

Cubitron II Roloc Fibre Discs 982C

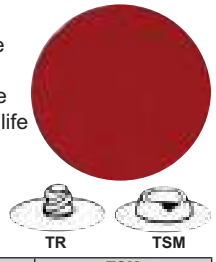
- Cubitron II technology requires less grinding pressure than conventional abrasives - so you can remove more material with less "push"
- Rigid fibre backing is tough and durable, enabling faster, more aggressive cuts
- Optimized for: carbon steel



				Roloc TR		Roloc TSM	
Dia. (in.)	Grit	Max RPM	Std. Pkg.	Order No.	Price Ea.	Order No.	Price Ea.
2	36	25000	50	**TM1166778**	Price	**TM1166781**	Price
2	60	25000	50	**TM1166783**	Price	**TM1166786**	Price
2	80	25000	50	**TM1166788**	Price	**TM1166791**	Price
3	36	20000	50	**TM1166779**	Price	**TM1166782**	Price
3	60	20000	50	**TM1166784**	Price	**TM1166787**	Price
3	80	20000	50	**TM1166789**	Price	**TM1166792**	Price
4	36	12000	25	**TM1166780**	Price	**-**	-
4	60	12000	25	**TM1166785**	Price	**-**	-
4	80	12000	25	**TM1166790**	Price	**-**	-

Cubitron II Roloc Durable Edge Disc 984F

- Featuring durable edge backing - for longer edge retention
- With the 984F disc, these edges actually help the precision-shaped grains fracture, extending disc life
- Features a flexible, durable cloth backing that stands up to aggressive grinding applications
- Optimized for: stainless steel, high nickel alloys, superalloys & carbon steel



				TR		TSM	
Dia. (in.)	Grit	Max RPM	Std. Pkg.	Order No.	Price	Order No.	Price
1-1/2	36	30000	25	**TM1127700**	Price	**TM1127704**	Price
1-1/2	60	30000	25	**TM1127708**	Price	**TM1127712**	Price
1-1/2	80	30000	25	**TM1127716**	Price	**TM1127720**	Price
2	36	25000	25	**TM1127701**	Price	**TM1127705**	Price
2	60	25000	25	**TM1127709**	Price	**TM1127713**	Price
2	80	25000	25	**TM1127717**	Price	**TM1127721**	Price
3	36	20000	25	**TM1127702**	Price	**TM1127706**	Price
3	60	20000	25	**TM1127710**	Price	**TM1127714**	Price
3	80	20000	25	**TM1127718**	Price	**TM1127722**	Price
4	36	12000	25	**TM1127703**	Price	**TM1127707**	Price
4	60	12000	25	**TM1127711**	Price	**TM1127715**	Price
4	80	12000	25	**TM1127719**	Price	**TM1127723**	Price

Cubitron™ II Roloc™ Durable Edge D/F Discs 984F

- Precision shaped ceramic grain on a reinforced cloth backing
- Designed for heavy-duty metalworking applications such as weld grinding, beveling and flame-out edge clean-up
- Super-fast cut, long life on stainless steel and carbon steel
- D/F construction for dust control
- Convenient Quick Change Roloc™ attachment



			TR		TSM	
Dia. (in.)	Grit	Std. Pkg.	Order No.	Price	Order No.	Price
1	36	200	**TM1128123**	Price	**-**	-
1	60	200	**TM1128124**	Price	**-**	-
1	80	200	**TM1128125**	Price	**-**	-
2	36	200	**TM1128073**	Price	**TM1128074**	Price
2	60	200	**TM1128077**	Price	**TM1128078**	Price
2	80	200	**TM1128080**	Price	**TM1128079**	Price
2	P120	50	**TM1122403**	Price	**-**	-
3	36	200	**TM1128076**	Price	**TM1128075**	Price
3	60	200	**TM1128084**	Price	**TM1128083**	Price
3	80	200	**TM1128082**	Price	**TM1128081**	Price

Roloc™ Fibre Discs 501C

- Aluminum Ziconia – Fibre
- Versatile disc for use on a wide variety of metals
- Roloc TSM Metal button

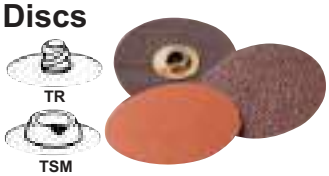


Dia. (in.)	Grit	Max RPM	Order No.	Price
2	36	25000	**TM1150755**	Price
2	50	25000	**TM1150756**	Price
2	60	25000	**TM1150757**	Price
2	80	25000	**TM1150758**	Price
3	36	20000	**TM1150751**	Price
3	50	20000	**TM1150752**	Price
3	60	20000	**TM1150753**	Price
3	80	20000	**TM1150754**	Price

See Page 816 for Roloc TR (Rol-On) and Roloc TSM (Turn-On) Holders

Roloc™ Fibre Discs 361F

- Aluminum Oxide – YF weight cloth
- General purpose grinding, blending and finishing on all metals
- Roloc TR Plastic button

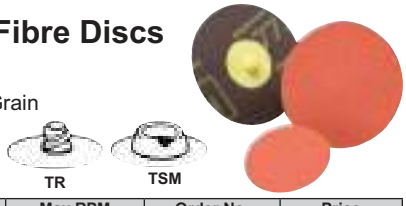


Dia. (in.)	Grit	Max RPM	Order No.	Price
1	50	30000	**TM1111411**	Price
1	80	30000	**TM1111416**	Price
1	P100	30000	**TM1111415**	Price
1	P120	30000	**TM1111414**	Price
1-1/2	36	30000	**TM1122396**	Price
1-1/2	60	30000	**TM1122397**	Price
1-1/2	80	30000	**TM1122407**	Price
1-1/2	P120	30000	**TM1122409**	Price
2	24	25000	**TM1111000**	Price
2	36	25000	**TM1122398**	Price
2	50	25000	**TM1122399**	Price
2	60	25000	**TM1122400**	Price
2	80	25000	**TM1122401**	Price
2	P100	25000	**TM1122402**	Price
2	P120	25000	**TM1122403**	Price
2	P150	25000	**TM1114559**	Price
2	P180	25000	**TM1113873**	Price
2	P240	25000	**TM1111419**	Price
3	24	20000	**TM1122392**	Price
3	36	20000	**TM1122393**	Price
3	50	20000	**TM1122394**	Price
3	60	20000	**TM1122395**	Price
3	80	20000	**TM1122404**	Price
3	P100	20000	**TM1122405**	Price
3	P120	20000	**TM1122406**	Price
3	P150	20000	**TM1182244**	Price
3	P240	20000	**TM1111418**	Price

See Page 816 for Roloc TR (Rol-On) and Roloc TSM (Turn-On) Holders.

Roloc™ Fibre Discs 777F

- 3M™ Cubitron™ Abrasive Grain
- Cloth backing
- Grinding aid
- Roloc TR Plastic button

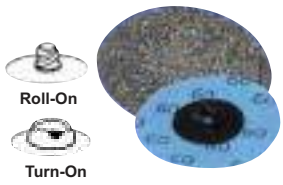


Dia. (in.)	Grit	Max RPM	Order No.	Price
1-1/2	36	30000	**TM1176626**	Price
1-1/2	50	30000	**TM1176627**	Price
1-1/2	60	30000	**TM1176628**	Price
1-1/2	P120	30000	**TM1180511**	Price
2	36	25000	**TM1176629**	Price
2	50	25000	**TM1176630**	Price
2	60	25000	**TM1176433**	Price
2	P100	25000	**TM1180508**	Price
2	P120	25000	**TM1180512**	Price
3	36	20000	**TM1176631**	Price
3	50	20000	**TM1176632**	Price
3	60	20000	**TM1176633**	Price
3	80	20000	**TM1176634**	Price
3	P100	20000	**TM1180509**	Price
3	P120	20000	**TM1180513**	Price

See Page 816 for Roloc TR (Rol-On) and Roloc TSM (Turn-On) Holders.

Silicon Carbide Quick Change Discs

- Ideal for the Aerospace industry where a/o contamination is a concern
- Great for titanium and stainless grinding and polishing
- Designed to remove stock, debur, polish, and general purpose grinding



Diameter - 2				
	Roll-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM6432036	Price	MM6418151	Price
50	MM6444586	Price	MM6436954	Price
60	MM6418216	Price	MM6418154	Price
80	MM6418217	Price	MM6416980	Price
120	MM6432035	Price	MM6418157	Price
180	MM6449033	Price	MM6418159	Price

Diameter - 3				
	Roll-On		Turn-On	
Grit	Order No.	Price	Order No.	Price
36	MM6432034	Price	MM6432031	Price
50	MM6443069	Price	MM6440937	Price
60	MM6449393	Price	MM6418059	Price
80	MM6432033	Price	MM6418166	Price
120	MM6418232	Price	MM6449395	Price
180	MM6449306	Price	MM6449396	Price

Shur-Kut® Flap Mops

- The maximum in flap wheel flexibility
- Manufactured with premium aluminum oxide grain on J weight cloth
- Ideal for conforming to difficult contours for sanding and polishing



Face Width (in.)	Dia. (in.)	Grit	Order No.	Price
1	2	120	MM6428967	Price
1	2	180	MM6428968	Price
1	2	240	MM6428969	Price
1	2	320	MM6428970	Price
1-1/2	2-1/2	120	MM6428971	Price
1-1/2	2-1/2	180	MM6428973	Price
1-1/2	2-1/2	240	MM6428974	Price
1-1/2	2-1/2	320	MM6428953	Price
2	3	120	MM6428954	Price
2	3	180	MM6428955	Price
2	3	240	MM6428145	Price
2	3	320	MM6428956	Price

XE Mini Disc Wheels

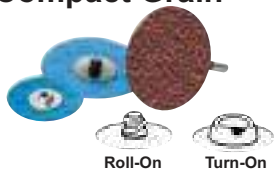
- Designed to clean, finish, and polish intricate forms and shapes
- Wheels will not alter part geometry while producing uniform high luster
- Manufactured with high strength material for excellent durability



			A/O Fine		A/O Medium	
Dia. (in.)	Shank (in.)	Ply	Order No.	Price	Order No.	Price
1	1/8	1	MM6440435	Price	MM6440433	Price
1	1/8	2	MM6440436	Price	MM6440434	Price
1-1/2	1/8	2	MM6440439	Price	MM6440437	Price
1-1/2	1/8	3	MM6440440	Price	MM6440438	Price

Aluminum Oxide Compact Grain Quick Change Discs

- Compacted layers of aluminum oxide grain greatly extend life and provide a very uniform finish throughout its life
- Premium performance in a fine grit not previously available



			Roll-On		Turn-On	
Size (in.)	Std. Pkg.	Grit	Order No.	Price	Order No.	Price
2	100	120	MM6440292	Price	MM6440271	Price
2	100	180	MM6440293	Price	MM6440272	Price
2	100	240	MM6440294	Price	MM6440273	Price
2	100	320	MM6440295	Price	MM6440274	Price
2	100	400	MM6440296	Price	MM6440275	Price
2	100	600	MM6440297	Price	MM6440276	Price
2	100	80	MM6440291	Price	MM6440270	Price
3	50	120	MM6440299	Price	MM6440278	Price
3	50	180	MM6440300	Price	MM6440279	Price
3	50	240	MM6440301	Price	MM6440280	Price
3	50	320	MM6440302	Price	MM6440281	Price
3	50	400	MM6440303	Price	MM6440282	Price
3	50	600	MM6440304	Price	MM6440283	Price
3	50	80	MM6440298	Price	MM6440277	Price

See page 816 for quick change disc holders See page 816 for quick change disc holders

Shur-Brite® Goblet Wheels

- Designed for finishing round corners such as sinks, tanks, and vats
- Ideal for food service where sanitation and cleanup are critical
- Great for food, dairy, brewery, and assorted industries



Type - Goblet Wheel Refills						
			A/O Fine		A/O Medium	
Dia. (in.)	Length (in.)	Shank Dia. (in.)	Order No.	Price	Order No.	Price
2	2	1/4	MM6430611	Price	MM6430612	Price
3	2	1/4	MM6430613	Price	MM6430614	Price

Type - Goblet Wheels						
			A/O Fine		A/O Medium	
Dia. (in.)	Length (in.)	Shank Dia. (in.)	Order No.	Price	Order No.	Price
2	2	1/4	MM6430607	Price	MM6430608	Price
3	2	1/4	MM6430609	Price	MM6430610	Price

Surface Conditioning Belts with Premium X-Flex or Low Stretch Backings

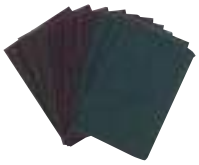
- XFlex is highly flexible with outstanding edge durability
- Low Stretch material is ideal for robotic cells or applications where stretching is a concern
- Both materials are made with premium aluminum oxide grain great for grinding, blending, and polishing



Material - Low Stretch / Aluminum Oxide								
			Coarse (Brown)		Medium (Maroon)		Very Fine (Blue)	
Width (in.)	Length (in.)	Std. Pkg.	Order No.	Price	Order No.	Price	Order No.	Price
1	42	12	MM6410625	Price	MM6410626	Price	MM6410627	Price
2	60	6	MM6410631	Price	MM6410632	Price	MM6410633	Price
2-1/2	60	5	MM6410643	Price	MM6410644	Price	MM6410645	Price
3	132	4	MM6410649	Price	MM6410650	Price	MM6410651	Price
4	132	3	MM6410661	Price	MM6410662	Price	MM6410663	Price
6	48	4	MM6410664	Price	MM6410665	Price	MM6410666	Price

Material - X-Flex / Aluminum Oxide								
			Coarse (Brown)		Medium (Maroon)		Very Fine (Blue)	
Width (in.)	Length (in.)	Std. Pkg.	Order No.	Price	Order No.	Price	Order No.	Price
1/2	18	20	MM6410607	Price	MM6410608	Price	MM6410609	Price
1/2	24	20	MM6410610	Price	MM6410611	Price	MM6410612	Price
3/4	18	20	MM6410613	Price	MM6410614	Price	MM6410615	Price
3/4	20-1/2	20	MM6410616	Price	MM6410617	Price	MM6410618	Price
3	24	8	MM6410646	Price	MM6410647	Price	MM6410648	Price
4	24	6	MM6410652	Price	MM6410653	Price	-	-
3-1/2	15-1/2	10	MM6410622	Price	MM6410623	Price	MM6410624	Price

SURF PRO® 6" x 9" Non-Woven Hand Pads



- Excellent for hand finishing and cleaning of woods, metals and composites
- Ideal for wood finishing, paint prep and general cleaning
- Priced Each / Sold In Standard Pack Only

Color	Description	Material	Grade	Order No.	Price
Maroon	General Purpose	Aluminum Oxide	Very Fine	**SP22HP69MAVFNA**	Price
Light Gray	Clean & Finish	Silicon Carbide	Ultra Fine	**SP22HP69GYUFNS**	Price
Green	Scouring Industrial	Aluminum Oxide	Very Fine	**SP22HP69GNVFNA**	Price
Tan	Heavy Duty	Aluminum Oxide	Medium	**SP22HP69TNMEDA**	Price

Standard Abrasives 6" x 9" Hand Pads



- Heavy non-woven material impregnated with abrasive and bonded with resin
- Ideal for deburring, cleaning, blending and surface preparation
- MM75-827600, MM75-827605, MM75-827620, MM75-827630 Sold in Case Only

Description	Std. Pkg.	Color	Order No.	Price Ea.
General Purpose	60	Maroon	**MM75827505**	Price
Cleaning	60	White	**MM75827525**	Price
Ultra Fine	60	Gray	**MM75827500**	Price
Scouring Industrial	60	Green	**MM75827520**	Price
Heavy Duty	40	Tan	**MM75827510**	Price
General Purpose	50	Maroon	**MM75827600**	Price
Ultra Fine	50	Gray	**MM75827605**	Price
High Strength	50	Pink	**MM75827630**	Price
High Strength	50	Red	**MM75827620**	Price

NORTON Bear-Tex® 6" x 9" Hand Pads





- Bear-Tex products are non-metallic, won't rust and are an ideal replacement for steel wool
- It is the user's responsibility to refer to and comply with ANSI B7.1
- **Save 10% on Standard Case Quantity of Same Order No.**

Product Number	Width (in.)	Length (in.)	Color	Name	Abrasive	Grit Size	Std. Pkg.	Order No.	Price Ea.
456	6	9	White	Light Duty Cleaning Pad	Non-Abrasive	Non-Abrasive	10	**MH62HP456**	Price
635	6	9	Gray	Clean & Finish Pad	Silicon Carbide	Ultra Fine	20	**MH62HP635**	Price
740	6	9	Dark Tan	Heavy Duty	Aluminum Oxide	Medium	20	**MH62HP740**	Price
746	6	9	Gray	Metal Blend Pad	Silicon Carbide	Medium	20	**MH62HP746**	Price
747	6	9	Maroon	General Purpose Pad	Aluminum Oxide	Very Fine	20	**MH62HP747**	Price
748	6	9	Gray	Final Shine Pad	Silicon Carbide	Micro Fine	20	**MH62HP748**	Price
777	6	9	Maroon	Long Life Pad	Aluminum Oxide	Very Fine	20	**MH62HP777**	Price
796	6	9	Green	Scouring Pad	Aluminum Oxide	Very Fine	20	**MH62HP796**	Price
851	6	9	Gray	General Purpose Pad	Silicon Carbide	Very Fine	20	**MH62HP851**	Price

NORTON Bear-Tex® Roll Assortment



- 1 Each A/O fine, A/O very fine and SC ultra fine

Order No.	Price
MH62R0208108	Price

NORTON Bear-Tex® Clean & Blend Rolls



Features:
- For general purpose use
- High quality aluminum oxide or silicon carbide grain
- Uniform web construction
- Can be cut to exact sizes needed

Benefits:
- Long product life
- Controlled aggressiveness
- Economical; minimal waste

Width (in.)	Length	Material	Grit	Color	Order No.	Price
4	30'	Aluminum Oxide	Fine	Maroon	**MH62R0458364**	Price
4	30'	Aluminum Oxide	Very Fine	Maroon	**MH62R0458361**	Price
4	30'	Silicon Carbide	Ultra Fine	Gray	**MH62R0458357**	Price
4	30'	Silicon Carbide	Very Fine	Gray	**MH62R0458360**	Price
6	30'	Aluminum Oxide	Very Fine	Maroon	**MH62R0658376**	Price
6	30'	Silicon Carbide	Very Fine	Gray	**MH62R0658377**	Price

3M Scotch-Brite™ Hand Pads



- Excellent products for hand finishing and cleaning of woods, metals and composites
- Ideal for wood finishing, paint prep and general cleaning
- 7447 & 7448 PRO: Cuts faster and produces more consistant scratch
- Sold In Standard Pack Only

Width (in.)	Length (in.)	Cat. No.	Color	Grade	Pack Qty.	Order No.	Price
3-2/3	9-1/4	7447 PRO	Maroon	AVFN	-	**TM2264958**	Price
6	9	7440	Gray	Coarse	20	**TM2265055**	Price
6	9	7440B	Tan	Medium	40	**TM2218451**	Price
6	9	7446	Gray	S MED	20	**TM2265056**	Price
6	9	7447 & 7448 PRO	Maroon	ULF	20	**TM2264933**	Price
6	9	7447 PRO	Maroon	A VFN	20	**TM2264926**	Price
6	9	7448 PRO	Gray	S ULF	3	**TM2264935**	Price
6	9	7447 PRO	Maroon	A VFN	20	**TM2204029**	Price
6	9	7448 PRO	Light Gray	S ULF	20	**TM2204028**	Price

3M Scotch-Brite™ Cut & Polish Rolls



- A unique and aggressive material for cleaning and finishing
- Sturdy, long lasting web material is great for heavy industrial cleaning and light deburring applications
- Works well for stropping and other bench applications

Width (in.)	Length	Grade	Std. Pkg.	Order No.	Price
1	30'	A MED	12	**TM2204085**	Price
2	30'	A MED	6	**TM2205206**	Price
4	30'	A MED	3	**TM2205207**	Price

Surface Conditioning Belts

- Unique formula
- Resists loading
- Low stretch
- Edge durability



Width (in.)	Length (in.)	Grit	Color	Std. Pkg.	Order No.	Price
1/2	24	Coarse	Tan	20	**MM75888053**	Price
1/2	24	Medium	Red	20	**MM75888052**	Price
1/2	24	Very Fine	Blue	20	**MM75888051**	Price
3/4	18	Coarse	Tan	20	**MM75888056**	Price
3/4	18	Very Fine	Blue	20	**MM75888054**	Price
3/4	20-1/2	Coarse	Tan	20	**MM75888059**	Price
3/4	20-1/2	Medium	Red	20	**MM75888058**	Price
1	42	Coarse	Tan	10	**MM75888011**	Price
1	42	Medium	Red	10	**MM75888010**	Price
1	42	Very Fine	Blue	10	**MM75888009**	Price
3	10-11/16	Coarse	Tan	10	**MM75888005**	Price
3	10-11/16	Medium	Red	10	**MM75888004**	Price
3	10-11/16	Very Fine	Blue	10	**MM75888003**	Price
3-1/2	15-1/2	Coarse	Tan	10	**MM75888008**	Price
3-1/2	15-1/2	Medium	Red	10	**MM75888007**	Price
3-1/2	15-1/2	Very Fine	Blue	10	**MM75888006**	Price

Non-Woven Abrasive Flap Brushes

- Ideal for producing uniform finishes on Aluminum, Brass and Stainless Steel
- They produce long line brushed finishes
- Density, pressure and angle determine the ability of the Flap Brush to remove burrs, oxidation and handling marks
- The finish produced will be a direct result of the density and grade

FINISHING:

- Grain finish on brass strike plates for door hardware
- Antique finish on builders hardware (cabinet handles, door knobs and more)
- Satin finishes on soft metals
- Highlighting and finishing Aluminum extrusion. (Used as a quality control tool to identify defects)
- Inline brushed finish on Aluminum and Stainless cookware (pots and pans)
- Produce fine scratch pattern on utensils and cutlery prior to cotton buff and compound polishing



CLEANING:

- Remove oxide from precious metals

BLENDING:

- Blending flash and parting lines on Aluminum die cast

TOOLS:

- Straight Shaft Portable Grinder
- Bench Motor
- Backstand
- Floor Lathe
- Rotary
- Straight Line
- Robotic

CHARACTERISTICS:

- Flexible face, capable of conforming to concave, convex, flat and irregular surfaces
- Consistent face, capable of creating matte and satin finishes, leaving no lines on work piece
- Cool running
- Smooth running

Size (in.)	Density	Grade	Order No.	Price
6 x 1 x 2	Hard	Medium	**MM75875139**	Price
6 x 1 x 2	Medium	Medium	**MM75875143**	Price
6 x 1 x 2	Hard	Medium	**MM75875009**	Price
6 x 1 x 2	Medium	Medium	**MM75875001**	Price
6 x 1 x 2	Hard	Very Fine	**MM75875008**	Price
6 x 1 x 2	Medium	Very Fine	**MM75875000**	Price
8 x 1 x 3	Hard	Medium	**MM75875011**	Price
8 x 1 x 3	Medium	Medium	**MM75875176**	Price
8 x 1 x 3	Medium	Medium	**MM75875003**	Price
8 x 1 x 3	Hard	Very Fine	**MM75875010**	Price
8 x 1 x 3	Medium	Very Fine	**MM75875002**	Price
12 x 1 x 5	Hard	Medium	**MM75875013**	Price
12 x 1 x 5	Hard	Medium	**MM75875205**	Price
12 x 1 x 5	Medium	Medium	**MM75875005**	Price
12 x 1 x 5	Hard	Very Fine	**MM75875012**	Price
12 x 1 x 5	Medium	Very Fine	**MM75875004**	Price
12 x 2 x 5	Hard	Medium	**MM75875015**	Price
12 x 2 x 5	Hard	Medium	**MM75875140**	Price
12 x 2 x 5	Medium	Medium	**MM75875007**	Price
12 x 2 x 5	Hard	Very Fine	**MM75875014**	Price
12 x 2 x 5	Medium	Very Fine	**MM75875006**	Price

Buff & Blend™ Rolls

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



HP Buff & Blend™ Rolls:

- Durable and aggressive
- Recommended starting point for deburring applications

GP Buff & Blend™ Rolls:

- Flexible and conformable
- Recommended starting point for most applications

High Strength Buff & Blend™ Rolls:

- Very conformable and durable
- Best for light deburring and finishing

Type - GP Buff & Blend Abrasive Rolls				
Roll Width (in.)	Grain	Grade	Order No.	Price
4	Fine	Aluminum Oxide	**MM75830015**	Price
4	Medium	Aluminum Oxide	**MM75830010**	Price
4	Very Fine	Silicon Carbide	**MM75830025**	Price
6	Fine	Aluminum Oxide	**MM75830016**	Price
6	Medium	Aluminum Oxide	**MM75830011**	Price
6	Very Fine	Silicon Carbide	**MM75830026**	Price

Type - High Strength Buff & Blend Abrasive Rolls				
Roll Width (in.)	Grain	Grade	Order No.	Price
6	Very Fine	Aluminum Oxide	**MM75830171**	Price

Type - HP Buff & Blend Abrasive Rolls				
Roll Width (in.)	Grain	Grade	Order No.	Price
4	Very Fine	Aluminum Oxide	**MM75830070**	Price

Mini Brushes

- Fast, easy way to restore finishes to their original condition
- Delivers high-quality finish
- Long-lasting
- Easy to control
- Conforms to most surface geometries



Style - High Strength Mini Brush			
Size (in.)	Grade	Order No.	Price
4-1/2 x 2 x 5/8-11	Coarse	**MM75875709**	Price
4-1/2 x 2 x 5/8-11	Medium	**MM75875710**	Price
4-1/2 x 4 x 5/8-11	Coarse	**MM75875700**	Price
4-1/2 x 4 x 5/8-11	Medium	**MM75875701**	Price

Style - Mini Brush			
Size (in.)	Grade	Order No.	Price
4-1/2 x 2 x 5/8-11	Extra Coarse	**MM75875711**	Price
4-1/2 x 2 x 5/8-11	Medium	**MM75875712**	Price
4-1/2 x 2 x 5/8-11	Medium	**MM75875714**	Price
4-1/2 x 2 x 5/8-11	Very Fine	**MM75875713**	Price
4-1/2 x 4 x 5/8-11	Coarse	**MM75875700**	Price
4-1/2 x 4 x 5/8-11	Extra Coarse	**MM75875702**	Price
4-1/2 x 4 x 5/8-11	Medium	**MM75875701**	Price
4-1/2 x 4 x 5/8-11	Medium	**MM75875703**	Price
4-1/2 x 4 x 5/8-11	Medium	**MM75875705**	Price
4-1/2 x 4 x 5/8-11	Very Fine	**MM75875704**	Price

Style - Mini Brush Interleaf			
Size (in.)	Grade	Order No.	Price
4-1/2 x 2 x 5/8-11	100	**MM75875716**	Price
4-1/2 x 2 x 5/8-11	150	**MM75875717**	Price
4-1/2 x 4 x 5/8-11	100	**MM75875707**	Price
4-1/2 x 4 x 5/8-11	150	**MM75875708**	Price
4-1/2 x 4 x 5/8-11	60	**MM75875706**	Price

3M Scotch-Brite™ Light Grinding and Blending Discs

- Durable non-woven 3M abrasive product used for light grinding and blending applications providing a Scotch-Brite™ burr-free finish
- Grinding and blending can be done with one disc
- Lasts longer, cuts and blends faster that any other Scotch-Brite disc available
- 7" Available



Dia. (in.)	Mount Type	Grit	Color	Max. RPM	Order No.	Price Ea.
2	Roloc TR	CRS	Maroon	25000	**TM2160354**	Price
2	Roloc TR	CRS	Blue	25000	**TM2160355**	Price
3	Roloc TR	CRS	Maroon	18000	**TM2160356**	Price
3	Roloc TR	CRS	Blue	18000	**TM2160357**	Price
5	7/8 Arbor	CRS	Maroon	10000	**TM2160336**	Price
5	7/8 Arbor	CRS	Blue	10000	**TM2160341**	Price
5	Hook & Loop	CRS	Maroon	10000	**TM2160342**	Price
5	Hook & Loop	CRS	Blue	10000	**TM2160343**	Price

3M Scotch-Brite™ Surface Conditioning Discs - Hook-and-Loop

- Aluminum Oxide
- Great general purpose surface conditioning disc
- For finishing, cleaning and light deburring
- Attach and remove easily to 3M™ Hook-and-Loop Backup Pads
- Use with right angle and random orbital tools
- 7" Available



Dia. (in.)	Max. RPM	Grade	Color	Std. Pkg.	Order No.	Price Ea.
4.5	13000	CRS	Brown	50	**TM2114101**	Price
4.5	13000	MED	Maroon	50	**TM2114100**	Price
4.5	13000	VFN	Blue	50	**TM2114099**	Price
5	10000	CRS	Brown	50	**TM2100750**	Price
5	10000	MED	Maroon	50	**TM2100643**	Price
5	10000	VFN	Blue	50	**TM2104303**	Price

3M Scotch-Brite™ Roloc™ Surface Conditioning Discs

- Non-woven web provides a burr-free decorative finish
- Removes grind marks, rust and coatings
- Roloc TR plastic button



Dia. (in.)	Max. RPM	Grade	Color	Std. Pkg.	Order No.	Price Ea.
1.5	30000	CRS	Brown	50	**TM2108764**	Price
1.5	30000	MED	Maroon	50	**TM2108765**	Price
1.5	30000	VFN	Blue	50	**TM2108766**	Price
2	25000	CRS	Brown	50	**TM2105528**	Price
2	25000	MED	Maroon	50	**TM2105527**	Price
2	25000	VFN	Blue	50	**TM2105523**	Price
3	18000	CRS	Brown	25	**TM2105532**	Price
3	18000	MED	Maroon	25	**TM2105531**	Price
3	18000	VFN	Blue	25	**TM2105530**	Price

3M Scotch-Brite™ High Strength Discs

- Aluminum Oxide
- Very conformable discs, ideal for light deburring, cleaning and finishing
- 8" Available



Dia. (in.)	Ctr. Hole (in.)	Grade	Color	Std. Pkg.	Order No.	Price Ea.
6	1/2	MED	Maroon	100	**TM2104188**	Price
6	1/2	VFN	Maroon	100	**TM2100665**	Price
6	1/4	VFN	Maroon	100	**TM2100666**	Price

3M Scotch-Brite™ Surface Conditioning Belts

- Premium Scotch-Brite™ surface conditioning non-woven web
- Designed for cleaning, finishing and light deburring



Width (in.)	Length (in.)	Grade	Color	Std. Pkg.	Order No.	Price Ea.
1/2	18	A CRS	Brown	20	**TM2008858**	Price
1/2	18	A MED	Maroon	20	**TM2008857**	Price
1/2	18	A VFN	Blue	50	**TM2008856**	Price
1/2	24	A CRS	Brown	20	**TM2005741**	Price
1/2	24	A MED	Maroon	20	**TM2003998**	Price
1/2	24	A VFN	Blue	20	**TM2004299**	Price
3/4	18	A CRS	Brown	20	**TM2013639**	Price
3/4	18	A MED	Maroon	20	**TM2015899**	Price
3/4	18	A VFN	Blue	20	**TM2014543**	Price
1	42	A MED	Maroon	10	**TM2004189**	Price
1	42	A VFN	Blue	10	**TM2004190**	Price
2	48	A MED	Maroon	10	**TM2008915**	Price
2	48	A VFN	Blue	10	**TM2004295**	Price
2	72	A MED	Maroon	10	**TM2000580**	Price
2	72	A VFN	Blue	10	**TM2000579**	Price
3	10-11/16	A CRS	Brown	10	**TM2005820**	Price
3	10-11/16	A MED	Maroon	10	**TM2005783**	Price
3	132	A CRS	Brown	5	**TM2005023**	Price
3	132	A MED	Maroon	5	**TM2000568**	Price
3	132	A VFN	Blue	5	**TM2004289**	Price
3	24	A CRS	Brown	10	**TM2008880**	Price
3	24	A MED	Maroon	10	**TM2000583**	Price
3	24	A VFN	Blue	10	**TM2004298**	Price
3-1/2	15-1/2	A CRS	Brown	10	**TM2005016**	Price
3-1/2	15-1/2	A MED	Maroon	10	**TM2005228**	Price
3-1/2	15-1/2	A VFN	Blue	10	**TM2005643**	Price
6	48	A CRS	Brown	50	**TM2005019**	Price
6	48	A MED	Maroon	5	**TM2000590**	Price
6	48	A VFN	Blue	5	**TM2004283**	Price

STANDARD ABRASIVES Buff and Blend™ Discs

With Center Hole - Aluminum Oxide Abrasive



- Aluminum oxide discs
- GP type: good rate of cut while providing enhanced durability when used for general duty applications
- HP type: produces an aggressive rate of cut, designed for use on applications where precise metal removal is required
- HS regular type: provides an excellent finish and flexibility along with greater tear resistance - a perfect choice when imparting the final finish on irregular shaped parts that increase the tendency for materials to tear
- HS type F: thickest of all buff & blend materials - combines good flexibility with excellent finish and is useful when finishing contoured parts with critical dimensions that must be held
- Available in A/O medium only

Grit Application:

- Medium - heavy deburring and blending
- Fine - medium deburring and blending
- Very fine - light deburring and blending

Dia. (in.)	Hole Size (in.)	Grit	Color	Material Type	Order No.	Price
6	1/2	Coarse	Green	High Strength	**MM75860706**	Price
6	1/2	Fine	Maroon	GP	**MM75840709**	Price
6	1/2	Medium	Dark Blue	F	**MM75860710**	Price
6	1/2	Medium	Dark Blue	High Strength	**MM75810710**	Price
6	1/2	Medium	Maroon	GP	**MM75840710**	Price
6	1/2	Medium	Tan	AP	**MM75870710**	Price
6	1/2	Very Fine	Maroon	GP	**MM75840708**	Price
6	1/2	Very Fine	Pink	High Strength	**MM75860708**	Price
6	1/2	Very Fine	Red	HP	**MM75850708**	Price
7	1/2	Medium	Maroon	GP	**MM75840810**	Price
8	1/2	Coarse	Green	High Strength	**MM75860906**	Price
8	1/2	Fine	Maroon	GP	**MM75840909**	Price
8	1/2	Medium	Dark Blue	F	**MM75860910**	Price
8	1/2	Medium	Dark Blue	High Strength	**MM75810910**	Price
8	1/2	Medium	Maroon	GP	**MM75840910**	Price
8	1/2	Medium	Tan	AP	**MM75870910**	Price
8	1/2	Very Fine	Maroon	GP	**MM75840908**	Price
8	1/2	Very Fine	Pink	High Strength	**MM75860908**	Price
8	1/2	Very Fine	Red	HP	**MM75850908**	Price
10	1/2	Very Fine	Pink	High Strength	**MM75860108**	Price
12	1-1/4	Coarse	Green	HS	**MM75869126**	Price
12	1-1/4	Very Fine	Pink	HS	**MM75869128**	Price

STANDARD ABRASIVES Buff and Blend™ Discs

Hook & Loop Aluminum Oxide Abrasives



Dia. (in.)	Grit	Color	Material Type	Order No.	Price
5	Medium	Maroon	GP	**MM75831610**	Price
5	Very Fine	Maroon	GP	**MM75831608**	Price
6	Medium	Maroon	GP	**MM75831710**	Price
6	Very Fine	Maroon	GP	**MM75831708**	Price

STANDARD ABRASIVES Cleaning and Coating Removal System

- Cleaning welds, removing corrosion, rust and scaling
- Removing paints, varnishes and sealants from difficult to reach surfaces
- Blending
- Rapid removal of surface contaminants
- Compares with 3M® Clean & Strip product





Roll-On



Turn-On

	Roll-On		Turn-On	
Size (in.)	Order No.	Price	Order No.	Price
2	**MM75840398**	Price	**MM75840397**	Price
3	**MM75840498**	Price	**MM75840497**	Price

See page 816 for roll-on and turn-on holders

STANDARD ABRASIVES Cleaning and Coating Removal 1/4" Shank Spindle Mounted Wheels



Dia. (in.)	Ply	Order No.	Price
3	1	**MM75880493**	Price
3	2	**MM75880495**	Price

STANDARD ABRASIVES Cleaning and Coating Removal Arbor Hole & Type 27 Discs



Type - Arbor Hole			
Dia. (in.)	Hole Size (in.)	Order No.	Price
6	1/2	**MM75840701**	Price
8	1/2	**MM75840901**	Price
4-1/2	1/4	**MM75843401**	Price

Type - Type 27			
Dia. (in.)	Hole Size (in.)	Order No.	Price
4-1/2	7/8	**MM75811027**	Price

Quick Change Surface Conditioning Discs - Type RC



Roll-On



Turn-On

- The "free-cutting" Rapid Cut material is designed to provide increased stock removal and faster blending
- Rapid Cut resists loading on "softer" metals for increased life and production

Style - Roll-On								
	Coarse-Brown		Extra Coarse- Dk. Brown		Medium-Maroon		Very Fine-Blue	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
2	MM75840384	Price	MM75840354	Price	MM75840385	Price	MM75840386	Price
3	MM75840484	Price	MM75840454	Price	MM75840485	Price	MM75840486	Price

Style - Turn-On								
	Coarse-Brown		Extra Coarse - Dk. Brown		Medium-Maroon		Very Fine-Blue	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
2	MM75840334	Price	MM75840370	Price	MM75840335	Price	MM75840336	Price
3	MM75840434	Price	MM75840470	Price	MM75840435	Price	MM75840436	Price

Style - Velcro						
	Coarse-Brown		Medium-Maroon		Very Fine-Blue	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price
7	MM75845813	Price	MM75845815	Price	MM75845816	Price

Type FE

- High initial and extended rate of cut
- Very flexible with high edge durability
- Effective on both flat and contoured surfaces
- Works well for heavy rust removal and blending machine tool marks
- Resists loading on all metals

Style - Roll-On						
	Coarse-Brown		Medium-Maroon		Very Fine-Blue	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price
2	MM75840381	Price	MM75840382	Price	MM75840383	Price
3	MM75840481	Price	MM75840482	Price	MM75840483	Price

Style - Turn-On						
	Coarse-Brown		Medium-Maroon		Very Fine-Blue	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price
2	MM75840331	Price	MM75840332	Price	MM75840333	Price
3	MM75840431	Price	MM75840432	Price	MM75840433	Price

Style - Velcro						
	Coarse-Brown		Medium-Maroon		Very Fine-Blue	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price
4-1/2	MM75845511	Price	MM75845512	Price	MM75845514	Price
5	MM75845611	Price	MM75845612	Price	MM75845614	Price
7	MM75845811	Price	MM75845812	Price	MM75845814	Price

Type GP

- Consistent rate of cut
- Very durable, allowing greater edge durability.
- Not as flexible as FE
- Works especially well on flat surfaces
- Recommended starting point for most applications

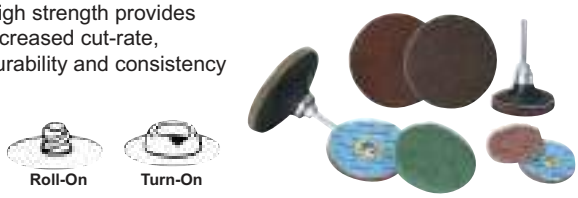
Style - Roll-On						
	Coarse-Brown		Medium-Maroon		Very Fine-Blue	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price
2	MM75840387	Price	MM75840388	Price	MM75840389	Price
3	MM75840487	Price	MM75840488	Price	MM75840489	Price

Style - Turn-On						
	Coarse-Brown		Medium-Maroon		Very Fine-Blue	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price
2	MM75840337	Price	MM75840338	Price	MM75840339	Price
3	MM75840437	Price	MM75840438	Price	MM75840439	Price

Style - Velcro						
	Coarse-Brown		Medium-Maroon		Very Fine-Blue	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price
4-1/2	MM75845417	Price	MM75845418	Price	MM75845419	Price
5	MM75845617	Price	MM75845618	Price	MM75845619	Price
7	MM75845817	Price	MM75845818	Price	MM75845819	Price

High Strength Quick Change Buff & Blend™ Discs

- High strength provides increased cut-rate, durability and consistency



Roll-On

Turn-On

Style - Roll-On			
Description	Size (in.)	Order No.	Price
H/S Coarse	2	MM75840319	Price
H/S Medium	2	MM75840358	Price
H/S Medium	3	MM75840458	Price
H/S Coarse	3	MM75840419	Price

Style - Turn-On			
Description	Size (in.)	Order No.	Price
H/S Medium	2	MM75840357	Price
H/S Very Fine	2	MM75840322	Price
H/S Coarse	2	MM75840314	Price
H/S Coarse	3	MM75840414	Price
H/S Medium	3	MM75840457	Price

Velcro Back Up Pads with 5/8-11 Holes



Dia. (in.)	Order No.	Price
4-1/2	MM85840042	Price
5	MM85840050	Price
7	MM85840070	Price

Type XD

- Fastest cutting, most durable surface conditioning disc
- Long lasting, while providing excellent results on flat surfaces and edges

Style - TR				
	Coarse		Medium	
Size (in.)	Order No.	Price	Order No.	Price
2	MM75848381	Price	MM75848382	Price
3	MM75848481	Price	MM75848482	Price

Style - TS				
	Coarse		Medium	
Size (in.)	Order No.	Price	Order No.	Price
2	MM75848331	Price	MM75848332	Price
3	MM75848431	Price	MM75848432	Price

Quick Change Buff & Blend™ Discs

- High Strength provides incresed cut-rate, durability and consistency
- Fast removal of light oxidation
- Blending minor imperfections
- Prepping surfaces for painting



Roll-On



Turn-On



Style - Roll-On								
	Fine		Medium		Very Fine		Coarse	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1-1/2	MM75810213	Price	MM75810212	Price	MM75810215	Price	MM75810211	Price
2	MM75810313	Price	MM75810312	Price	MM75810315	Price	MM75810311	Price
3	MM75810413	Price	MM75810412	Price	MM75810415	Price	MM75810411	Price

Style - Turn-On								
	Fine		Medium		Very Fine		Coarse	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1-1/2	MM75840213	Price	MM75840212	Price	MM75840215	Price	MM75840211	Price
2	MM75840313	Price	MM75840312	Price	MM75840315	Price	MM75840311	Price
3	MM75840413	Price	MM75840412	Price	MM75840415	Price	MM75840411	Price

See page 816 for Roloc TR (Rol-On) and Roloc TSM (Turn-On) Holders

Quick Change Bear-Tex® Surface Blending Discs



For use on a variety of electric and air powered tools including right angle grinders and belt grinders for deburring, cleaning, blending and finishing.





- Tough, reinforced nylon web - Eleminates edge fraying and grain shedding
- Uniform, thorough abrasive coating
- Open construction - resists loading

Aluminum Oxide Abrasive - available in three standard grits:

- 320 (Very Fine) - Used for scratch blending, light scuffing and fine finishing
- 120 (Medium) - Perfect for surface preparation before coatings
- 80 (Coarse) - Often used for blending heavy grind lines, removing coatings and gasket residue

Speed Grip surface blending STE discs feature a Hook and Loop fastening system.
Speed-Lok TS surface blending STE discs are compatible with the cap standard Speed-Lok attachment system.
Speed-Lok TR surface blending STE discs are compatible with 3M Roloc® attachment system.



TR



TS

Wheel Type - Roll-On								
			Coarse		Medium		Very Fine	
Size (in.)	Std. Pkg.	Max. RPM	Order No.	Price	Order No.	Price	Order No.	Price
2	25	30,000	-	-	MH62D0209190	Price	MH62D0204457	Price
3	25	20,000	MH62D0309194	Price	MH61D0317522	Price	MH62D0309192	Price

Wheel Type - Turn-On								
			Coarse		Medium		Very Fine	
Size (in.)	Std. Pkg.	Max. RPM	Order No.	Price	Order No.	Price	Order No.	Price
2	25	30,000	-	-	MH62D0209182	Price	MH62D0282337	Price
3	25	20,000	MH62D0309186	Price	MH62D0309185	Price	MH62D0309184	Price
4	25	15,000	MH62D0455349	Price	MH62D0455350	Price	-	-

Wheel Type - Velcro								
			Coarse		Medium		Very Fine	
Size (in.)	Std. Pkg.	Max. RPM	Order No.	Price	Order No.	Price	Order No.	Price
2	25	23,000	MH62D0204431	Price	MH62D0204441	Price	-	-
3	25	20,000	-	-	MH62D0304442	Price	-	-
-	-	-	MH62D0404433	Price	-	-	-	-
4-1/2	25	10,000	-	-	MH62D0404444	Price	MH62D0425936	Price
5	25	10,000	MH62D0504435	Price	-	-	MH62D0525941	Price
6	25	8,000	MH62D0606910	Price	MH62D0606911	Price	MH62D0606912	Price
7	20	6000	MH62D0755027	Price	-	-	-	-
7	25	6,000	-	-	MH62D0717813	Price	MH62D0719990	Price
8	50	6000	-	-	MH62D0817815	Price	-	-
8	25	4,500	MH62D0806913	Price	-	-	MH62D0825972	Price

MERIT Surface Preparation Discs

Type GD Discs:

- Our GD discs provide consistent cut and finish
- Product of choice for most blending, cleaning and light deburring operations

Type AG Discs:

- AG material is more aggressive, which makes it perfect for heavier deburring and finishing applications





TS



TR

Description - Non-Woven Disc						
			Roll-On		Turn-On	
Size (in.)	Grit	Max. RPM	Order No.	Price	Order No.	Price
2	Coarse	30000	-	-	MM5966287	Price
2	Medium	30000	MM5966290	Price	-	-
2	Very Fine	20000	-	-	MM5966321	Price
2	Very Fine	30000	-	-	MM5966317	Price
3	Coarse	20000	MM5966322	Price	-	-
3	Medium	20000	MM5966291	Price	-	-

Description - Type AG Surface Prep Disc						
			Roll-On		Turn-On	
Size (in.)	Grit	Max. RPM	Order No.	Price	Order No.	Price
2	Coarse	30000	MM5967825	Price	MM5967821	Price
2	Medium	30000	MM5940028	Price	MM5940037	Price
2	Very Fine	30000	MM5940049	Price	-	-
3	Extra Coarse	20000	MM5967827	Price	MM5967823	Price
3	Very Fine	20000	MM5941300	Price	-	-

Description - Type GD Surface Prep Disc				
			Turn-On	
Size (in.)	Grit	Max. RPM	Order No.	Price
3	Medium	20000	MM5962910	Price

Back-Up Pads for Quick Change Bear-Tex® Discs



For Use With - Hook and Loop (Velcro® Type) Discs			
Size (in.)	Std. Pkg. Qty.	Order No.	Price
2	5	MH62A59352	Price
3	5	MH62A59354	Price
5	5	MH62A59360	Price
6	5	MH62A59364	Price
7	10	MH62A59368	Price

For Use With - Speed-Lok TR			
Size (in.)	Std. Pkg. Qty.	Order No.	Price
2	10	MH62A55103	Price
3	10	MH62A55105	Price

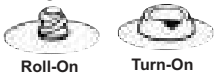
For Use With - Speed-Lok TR Discs			
Size (in.)	Std. Pkg. Qty.	Order No.	Price
4	10	MH62A47581	Price
1-1/2	10	MH62A47580	Price

For Use With - Speed-Lok TS Discs			
Size (in.)	Std. Pkg. Qty.	Order No.	Price
2	10	MH62A43210	Price
3	10	MH62A43225	Price

SURF PRO® Non Woven Surface Conditioning Quick Change Discs

- Cleaning, deburring and finishing on stainless, ferrous and non-ferrous metal
- Used for blending welds remove rust/burrs





			Quick Change Roll On		Quick Change Turn On	
Dia. (in.)	Grit	Color	Order No.	Price	Order No.	Price
2	Course	Brown	**SP21QCR20SCDCRS**	Price	**SP21QCT20SCDCRS**	Price
2	Medium	Maroon	**SP21QCR20SCDMED**	Price	**SP21QCT20SCDMED**	Price
2	Very Fine	Blue	**SP21QCR20SCDVFN**	Price	**SP21QCT20SCDVFN**	Price
3	Course	Brown	**SP21QCR30SCDCRS**	Price	**SP21QCT30SCDCRS**	Price
3	Medium	Maroon	**SP21QCR30SCDMED**	Price	**SP21QCT30SCDMED**	Price
3	Very Fine	Blue	**SP21QCR30SCDVFN**	Price	**SP21QCT30SCDVFN**	Price

Shur-Brite® Mounted XL Deburring Wheels

- General purpose cleaning and polishing
- Designed to minimize heat buildup
- Ideal for blending and finishing stainless steel





Size (in.)	Grit	Order No.	Price
1 x 1/4 x 1/8	2S Fine	**MM6440530**	Price
1 x 1/4 x 1/8	6A Medium	**MM6440531**	Price
1 x 1/4 x 1/8	8A Coarse	**MM6440532**	Price
2 x 1/4 x 1/4	2S Fine	**MM6440536**	Price
2 x 1/4 x 1/4	6A Medium	**MM6440537**	Price
2 x 1/4 x 1/4	8A Coarse	**MM6440538**	Price
3 x 1/4 x 1/4	2S Fine	**MM6440539**	Price
3 x 1/4 x 1/4	6A Medium	**MM6440540**	Price
3 x 1/4 x 1/4	8A Coarse	**MM6440541**	Price

Wheel Density: 2=Soft 6=Medium 8=Hard

XE High Strength Satin Discs With Arbor Hole

- Make short work of cleaning, finishing and light deburring applications
- Can be ganged on a shaft to form a wheel





Dia. (in.)	Hole Size (in.)	Grit	Order No.	Price
6	1/2	Fine	**MM6440610**	Price
6	1/2	Medium	**MM6434470**	Price
6	1/2	Very Fine	**MM6440611**	Price
8	1/2	Fine	**MM6440612**	Price
8	1/2	Medium	**MM6421554**	Price
8	1/2	Very Fine	**MM6440613**	Price

CGW Aluminum Oxide Rol-On Surface Grinding Discs - Maroon

- Non-woven material for bleding scratches and discoloration removal (stainless sheet burn



Dia. (in.)	RPM	Order No.	Price
2	25000	**MG9053251**	Price
3	25000	**MG9053252**	Price

Hook and Loop Surface Conditioning Discs

- Greatly extends life over traditional surface conditioning discs
- Firm cutting action for weld blending and splatter removal
- Heavy debur, oxidation, and flash removal
- Standard Pack- 20 Pcs
- 7” Available



Dia.	Grit	Order No.	Price
4-1/2	Coarse	**MM6440404**	Price
4-1/2	Medium	**MM6440405**	Price
5	Coarse	**MM6440406**	Price
5	Medium	**MM6440407**	Price

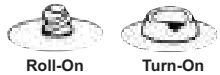
Standard Package - Discs = 20/pk Holders = 1/pk

Quick Change Surface Conditioning Discs

- Deburring and surface preparation of all kinds of metals
- Stock removal and surface leveling
- Weld spatter and corrosion removal
- 1-1/2” Available







Style - Roll-On			
Dia. (in.)	Grit	Order No.	Price
1-1/2	Coarse	**MM6410550**	Price
2	Coarse	**MM6410553**	Price
2	Medium	**MM6410554**	Price
2	Very Fine	**MM6410555**	Price
3	Coarse	**MM6410556**	Price
3	Medium	**MM6410557**	Price
3	Very Fine	**MM6410558**	Price

Style - Turn-On			
Dia. (in.)	Grit	Order No.	Price
2	Coarse	**MM6410544**	Price
2	Medium	**MM6410545**	Price
2	Very Fine	**MM6410546**	Price
3	Coarse	**MM6410547**	Price
3	Medium	**MM6410548**	Price
3	Very Fine	**MM6410549**	Price

Quick Change Unitized Discs

- General purpose cleaning and polishing
- Designed to minimize heat buildup
- Ideal for blending and finishing stainless steel
- 3” Available





Dia. (in.)	Grit	Order No.	Price
2	2 S Fine	**MM6437505**	Price
2	6 A Medium	**MM6437504**	Price
2	8 A Coarse	**MM6437503**	Price

CGW Aluminum Oxide Surface Grinding Wheels - Type 27 - Maroon

- Non-woven material for blending scratches and discoloration removal (stainless sheet burn)
- Compact backing minimizes work piece scratches, allows for full use of disc material and softer/buffing-like finishing



Dia. (in.)	Hole (in.)	Std. Pkg.	Order No.	Price
4-1/2	5/8-11	10	**MG9053243**	Price
4-1/2	7/8	10	**MG9053242**	Price
7	5/8-11	10	**MG9053245**	Price
7	7/8	10	**MG9053244**	Price

Non-Woven Abrasive Buff & Blend Mounted Wheels



- High luster finish
- Will not alter workpiece shape
- Quieter — smoother than wire brushes
- 1/4" Shank
- Aluminum oxide

		Medium		Very Fine	
Dia. (in.)	Ply	Order No.	Price	Order No.	Price
2	2	**MM75880215**	Price	**MM75880315**	Price
2	3	**MM75880216**	Price	**MM75880316**	Price
3	1	**MM75880413**	Price	**MM75880513**	Price
3	2	**MM75880415**	Price	**MM75880515**	Price
3	3	**MM75880416**	Price	**MM75880516**	Price

Surface Conditioning Flap Disc



- Best disc for Deburring, edge breaking, blending, cleaning, finishing, and polishing after traditional grinding is done with a Resin Fibre or Flap Disc on Aluminum, Steel, and Titanium Inconel

Dia. (in.)	Arbor Hole (in.)	Max. RPM	Grade	Order No.	Price
4-1/2	7/8	10,000	Coarse	**MM75821110**	Price
4-1/2	7/8	10,000	Medium	**MM75821210**	Price
4-1/2	7/8	10,000	Very Fine	**MM75821310**	Price

Buff & Blend Cross Buffs - 2 Ply Aluminum Oxide



- Removing surface oxidation and rust
- Surface preparation prior to coating
- Remove surface coatings for part inspection
- Corrosion removal on steel rule and Kirksite dies
- Mold and die polishing
- Polishing valve spools, and round and square tubing
- Polish inside diameters of lifter bores, valve bodies and brake cylinders

Size (in.)	Width (in.)	Eyelet	Grade	Std. Pkg.	Order No.	Price Ea.
3/4	3/8	8-32	Medium	50	**MM75725019**	Price
3/4	3/8	8-32	Very Fine	50	**MM75725011**	Price
1-1/2	1/2	8-32	Medium	50	**MM75725012**	Price
1-1/2	1/2	8-32	Very Fine	50	**MM75725013**	Price
1	3/8	8-32	Coarse	50	**MM75727334**	Price
1	3/8	8-32	Medium	50	**MM75725007**	Price
1	3/8	8-32	Very Fine	50	**MM75725008**	Price
2	1/2	8-32	Coarse	25	**MM75727395**	Price
2	1/2	8-32	Medium	25	**MM75727396**	Price
2	1/2	8-32	Very Fine	25	**MM75727397**	Price
2	3/4	1/4-20	Coarse	25	**MM75727398**	Price
2	3/4	1/4-20	Medium	25	**MM75727399**	Price
2	3/4	1/4-20	Very Fine	25	**MM75727400**	Price
3	3/4	1/4-20	Coarse	25	**MM75727401**	Price
3	3/4	1/4-20	Medium	25	**MM75727402**	Price
3	3/4	1/4-20	Very Fine	25	**MM75727403**	Price

Buff & Blend Combi Cross Buff - 2 Ply Aluminum Oxide



- Uses both buff & blend and coated abrasive materials
- Very flexible and provides clean burr-free finishes

Size (in.)	Width (in.)	Eyelet	Grade	Std. Pkg.	Order No.	Price
2	1/2	8-32	GP Medium 60	25	**MM75727404**	Price
2	1/2	8-32	GP Medium 80	25	**MM75727405**	Price
2	1/2	8-32	HP Very Fine 120	25	**MM75727406**	Price
3	3/4	1/4-20	GP Medium 60	25	**MM75727408**	Price
3	3/4	1/4-20	GP Medium 80	25	**MM75727409**	Price
3	3/4	1/4-20	HP Very Fine 120	25	**MM75727410**	Price
3	3/4	1/4-20	HP Very Fine 240	25	**MM75727411**	Price

Mandrels for Threaded Eyelet Mount Abrasives

Thread	Shank Dia. (in.)	OAL (in.)	Order No.	Price
3-48	1/4	2-1/2	**MM54PM3482**	Price
1/4-20	1/4	3	**MM54PM1420**	Price
3-48	1/8	2-1/2	**MM54PM3481**	Price
8-32	1/4	3	**MM54PM832**	Price

Non-Woven Abrasives Buff & Blend™ Mandrel Mounted Flap Brushes with 1/4" Shank



- Blending, cleaning, and finishing
- Satin and matte finishing on stainless steel, brass and aluminum
- Removal of rust, grease and oils

Dia. (in.)	Face Width (in.)	Shank Dia. (in.)	Grade	Material	Order No.	Price
2	2	1/4	Medium	A/O	**MM75875500**	Price
3	2	1/4	Medium	A/O	**MM75875501**	Price

Surface Conditioning - Type RC Bands



- Applying grain finish on aluminum and stainless steel
- Reducing uneven edges between adjoining surfaces
- Reducing surface roughness
- Applying cosmetic grain finish

Dia. (in.)	Length (in.)	Grit	Std. Pkg.	Order No.	Price Ea.
1	1	Coarse	10	**MM75727086**	Price
1	1	Medium	10	**MM75727087**	Price
1	1	Very Fine	10	**MM75727088**	Price
2	1	Coarse	10	**MM75727095**	Price
2	1	Medium	10	**MM75727096**	Price
2	1	Very Fine	10	**MM75727097**	Price
2	2	Coarse	10	**MM75727098**	Price
2	2	Medium	10	**MM75727099**	Price
2	2	Very Fine	10	**MM75727100**	Price

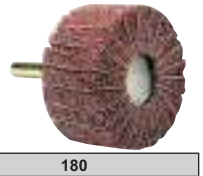
Expanding Rubber Drums



- Designed for use with abrasive and non-woven bands
- Fabricated from rubber for controlled expansion

Dia. (in.)	Length (in.)	Standard Shank (in.)	Order No.	Price
1	1	1/4	**MM54D16162**	Price
2	1	1/4	**MM54D32162**	Price
2	2	1/4	**MM54D32322**	Price

Non-Woven Abrasive Buff & Blend™ Combi-Wheels



- Wheels are constructed with alternating flaps of Buff & Blend and coated abrasive material
- High rate of cut, while providing a uniform scratch pattern
- Designed for use on small straight pneumatic and electric grinders

			60		80		120		180	
Dia. (in.)	Face Width (in.)	Shank Dia. (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
2	1	1/4	**MM75898000**	Price	**MM75898001**	Price	**MM75898002**	Price	**MM75898003**	Price
3	1	1/4	**MM75898004**	Price	**MM75898005**	Price	**MM75898006**	Price	**MM75898007**	Price
3	2	1/4	**MM75898008**	Price	**MM75898009**	Price	**MM75898010**	Price	**MM75898011**	Price

3M Scotch-Brite™ Bristle Discs for Angle Grinders



- 4-1/2" Diameter with 5/8" trim length and 5/8-11 arbor hole
- Flexible yet durable bristles conform the workpiece without damaging base material
- Continuous supply of mineral in abrasive-filled bristles provides a high cut rate and more uniform finish
- Discs are designed to resist loading, extending service life
- Available in 3 grades: 50 (green), 80 (yellow) and 120 (white)
- Use with angle grinders with 5/8-11 spindle

Size (in.)	Grit	Color	Max. RPM	Std. Pkg.	Order No.	Price Ea.
4.5	120	White	12000	2	**TM3124243**	Price
4.5	50	Green	12000	2	**TM3124241**	Price
4.5	80	Yellow	12000	2	**TM3124242**	Price

3M Scotch-Brite™ Roloc Bristle Discs



- Flexible yet durable bristles conform the workpiece without damaging base material
- Continuous supply of mineral in abrasive-filled bristles provides a high cut rate and more uniform finish
- Discs are designed to resist loading, extending service life
- Available in 3 grades: 50 (green), 80 (yellow) and 120 (white)
- Use with Roloc TR Disc Pads (available separately)

Dia. (in.)	Grit	Max. RPM	Std. Pkg.	Order No.	Price Ea.
2	120	25000	4	**TM3118733**	Price
2	50	25000	4	**TM3118730**	Price
2	80	25000	4	**TM3118732**	Price
3	120	15000	4	**TM3118737**	Price
3	50	15000	4	**TM3118734**	Price
3	80	15000	4	**TM3118736**	Price

MERIT PowerStrip Type 27 Wheels



- Material provides a unique combination of aggressive performance, long life and improved finish
- Ideal for removing coatings on a variety of substrates, such as wood, metal and plastics
- 7" Available

Size (in.)	Hole Size	Grit	Std. Pkg.	Order No.	Price
4-1/2	5/8-11	Extra Coarse	25	**MM5997038**	Price
4-1/2	7/8	Extra Coarse	25	**MM5992122**	Price

3M Scotch-Brite™ Clean & Strip Discs



- Silicon carbide – extra coarse
- Tough open web, ideal for weld cleaning and removing paint and coatings
- Use with mandrel 934

Dia. (in.)	Crt. Hole (in.)	Max. RPM	Std. Pkg.	Order No.	Price Ea.
4	1/2	6000	25	**TM2100941**	Price
6	1/2	4000	15	**TM2100948**	Price
8	1/2	3000	15	**TM2100957**	Price

3M Scotch-Brite™ Coating Removal Discs Hook and Loop



- Silicon Carbide – extra coarse
- Made for right-angle tools from aggressive clean & strip web
- Non-loading design ideal for removing rust and coatings
- Mount on hook-and-loop disc pad holders

Dia. (in.)	Max. RPM	Grade	Std. Pkg.	Order No.	Price Ea.
4.5	12000	XCS	4	**TM2118424**	Price
5	10000	XCS	4	**TM2118355**	Price
7	6000	XCS	5	**TM2118358**	Price

3M Scotch-Brite™ Radial Bristle Brushes for Bench Grinders



- Flexible yet durable bristles conform the workpiece without damaging base material
- Continuous supply of mineral in abrasive-filled bristles provides a high cut rate and more uniform finish
- Discs are designed to resist loading, extending service life
- Use on bench grinders

Size (in.)	Grit	Color	Max. RPM	Order No.	Price
6	36	Dark Brown	6000	**TM3027603**	Price
6	50	Green	6000	**TM3027605**	Price
6	80	Yellow	6000	**TM3027606**	Price
6	1 Micron	Light Green	6000	**TM3033217**	Price
6	120	White	6000	**TM3033212**	Price
6	220	Red	6000	**TM3033213**	Price
6	400	Blue	6000	**TM3033214**	Price
6	6 Micron	Peach	6000	**TM3033216**	Price
6	80	Yellow	6000	**TM3033215**	Price

Weiler Non Woven Aluminum Oxide Finishing Flap Wheels

New!



- Non aggressive nylon material provides a smooth surface finish
- Reorient scratch patterns for grain matching on stainless steel
- Remove burrs and micro burrs on threaded parts

			ACRS		AFINE		AMED		AVFN	
Dia. (in.)	Face Width (in.)	Shank Dia. (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1	1	1/4	**MJ69120090**	Price	**MJ69120092**	Price	**MJ69120091**	Price	**MJ69120093**	Price
2	1	1/4	**MJ69120260**	Price	**MJ69120262**	Price	**MJ69120261**	Price	**MJ69120263**	Price
2	2	1/4	**MJ69120290**	Price	**MJ69120292**	Price	**MJ69120291**	Price	**MJ69120293**	Price
3	1	1/4	**MJ69120400**	Price	**MJ69120402**	Price	**MJ69120401**	Price	**MJ69120403**	Price
3	2	1/4	**MJ69120430**	Price	**MJ69120432**	Price	**MJ69120431**	Price	**MJ69120433**	Price

Weiler Interleaf Aluminum Oxide Finishing Flap Wheels

New!



- Alternating flaps of abrasive cloth and nonwoven finishing material, provides some stock removal while leaving a brushed finish
- Good for deburring and finishing in one step

			A120/Med		A180/Fine		A60/Crs		A80/Med	
Dia. (in.)	Face Width (in.)	Shank Dia. (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1	1	1/4	**MJ69117187**	Price	**MJ69117189**	Price	**MJ69117184**	Price	**MJ69117185**	Price
2	1	1/4	**MJ69117527**	Price	**MJ69117529**	Price	**MJ69117524**	Price	**MJ69117525**	Price
2	2	1/4	**MJ69117587**	Price	**MJ69117589**	Price	**MJ69117584**	Price	**MJ69117585**	Price
3	1	1/4	**MJ69117807**	Price	**MJ69117809**	Price	**MJ69117804**	Price	**MJ69117805**	Price
3	2	1/4	**MJ69117867**	Price	**MJ69117869**	Price	**MJ69117864**	Price	**MJ69117865**	Price

Interleaf Flap Discs - Type 29

- Offers blending and finish required to get #4 scratch finish and used for stainless finishing
- Grind and finish with one disc
- Alternating flaps of non-woven and coated abrasive materials for uniform, consistent finishes with very little heat
- Light grinding and deburring



Dia. (in.)	Hole (in.)	Grit	RPM	Order No.	Price
4-1/2	7/8	Coarse	13300	**MG9049686**	Price
4-1/2	7/8	Medium	13300	**MG9049687**	Price
4-1/2	7/8	Very Fine	13300	**MG9049688**	Price
5	7/8	Coarse	12200	**MG9049692**	Price
5	7/8	Medium	12200	**MG9049693**	Price
5	7/8	Very Fine	12200	**MG9049694**	Price

Semi-Flex Discs

- Type 27 discs engineered for aggressive grinding applications

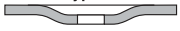
Silicon carbide grain for working on non-ferrous materials including:

- Removing epoxy, glue or urethane coatings, mastics
- Fiberglass
- Quartz, terrazzo, concrete
- Marble
- Enamels, porcelain, china clay

Carton quantity 25



Type 27





Right Angle Grinder

Size (in.)	Grit	RPM	Order No.	Price
4-1/2 x 7/8	16	13300	**MG9035833**	Price
4-1/2 x 7/8	24	13300	**MG9035834**	Price
4-1/2 x 7/8	36	13300	**MG9035835**	Price
7 x 7/8	16	8600	**MG9035842**	Price
7 x 7/8	24	8600	**MG9035843**	Price
7 x 7/8	36	8600	**MG9035844**	Price

Shur-Brite® Stripping Wheels - 1/4" Shank

- Tough open construction will not load, removing paint and rust
- Aggressive stripping and cleaning on metal surfaces
- Safer than a wire brush, ideal tool for maintenance departments



Size (in.)	Face Width (in.)	Grit	Order No.	Price
2	1	Extra Coarse	**MM6435806**	Price
2	1/2	Extra Coarse	**MM6435805**	Price
3	1	Extra Coarse	**MM6434360**	Price
3	1/2	Extra Coarse	**MM6434359**	Price
4	1	Extra Coarse	**MM6438447**	Price
4	1/2	Extra Coarse	**MM6438446**	Price

EZ Red Heavy Duty Strip Wheels

- Non-woven material for cleaning welds and fast removal of rust, scaling, oxidation, paints, sealants, and other clogging materials
- Can be used on stainless steel, steel, aluminum, titanium, non-ferrous metals, fibre glass, stone and wood
- Red rigid wheels for faster working on angled and irregular surfaces
- Black wheels clean surfaces and can provide a satin finish



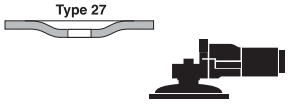
Size (in.)	Spec.	RPM	Std. Pkg.	Order No.	Price Ea.
4-1/2 x 7/8	Black	11000	10	**MG9059200**	Price
4-1/2 x 7/8	Red	11000	10	**MG9059204**	Price
4-1/2 x 5/8-11	Black	11000	10	**MG9059201**	Price
4-1/2 x 5/8-11	Red	11000	10	**MG9059205**	Price
7 x 7/8	Black	7000	10	**MG9059202**	Price
7 x 7/8	Red	7000	10	**MG9059206**	Price
7 x 5/8-11	Black	7000	10	**MG9059203**	Price
7 x 5/8-11	Red	7000	10	**MG9059207**	Price

Surface Conditioning Flap Discs

- Premier non-woven material for surface preparation
- Three different grits for blending, deburring and cleaning
- For steel and stainless steel
- Max RPM 13,000



Type 27



Size (in.)	Grit	Max RPM	Std. Pkg.	Order No.	Price
4-1/2	Coarse	13,000	10	**MG9070120**	Price
4-1/2	Coarse	13,000	10	**MG9070121**	Price
4-1/2	Medium	13,000	10	**MG9070122**	Price
4-1/2	Medium	13,000	10	**MG9070123**	Price
4-1/2	Very Fine	13,000	10	**MG9070124**	Price
4-1/2	Very Fine	13,000	10	**MG9070125**	Price

Shur-Brite® Stripping Discs

With Arbor Hole

- Tough open construction will not load, removing paint and rust
- Aggressive stripping and cleaning on metal surfaces
- Safer than a wire brush, ideal tool for maintenance departments





Dia. (in.)	Hole Size (in.)	Grit	Style	Feature	Order No.	Price
2	-	Extra Coarse	Roll-On	Cleaning	**MM6434364**	Price
3	-	Extra Coarse	Roll-On	Cleaning	**MM6434365**	Price
4	1/2	Extra Coarse	Type 1	Surface Conditioning	**MM6434361**	Price
4-1/2	7/8	Extra Coarse	Type 27	Surface Conditioning	**MM6434366**	Price
6	1/2	Extra Coarse	Type 1	Surface Conditioning	**MM6434362**	Price
8	1/2	Extra Coarse	Type 1	Surface Conditioning	**MM6434363**	Price

STANDARD ABRASIVES 4-1/2" & 5" Coated Abrasives Discs



Aluminum Oxide Discs:
- Used for general purpose grinding and blending on ferrous metals
- Ideal for flat and contoured surfaces

Zirconia Pro Discs:
- Ideal for rapid stock removal on stainless steel
- Utilizes a Y weight cloth backing with a fused Zirconium grain and lubricated super-size coating
- Cool running for extended stock removal and surface blending

Ceramic Pro Discs:
- Cool, rapid stock removal on all heat-sensitive metals, including stainless steel and high nickel alloys
- Offers the highest edge durability in the industry, plus the highest stock removal on flat surfaces. Ideal for prolonged edge work
- 5/8-11 Hub size
- Max RPM 10,000

Dia. (in.)	Grit	Material	Order No.	Price
4-1/2	36	Ceramic Pro	**MM30524881**	Price
4-1/2	36	Zirconia Pro	**MM30528822**	Price
4-1/2	60	Aluminum Oxide	**MM30522805**	Price
4-1/2	60	Ceramic Pro	**MM30524884**	Price
4-1/2	60	Zirconia Pro	**MM30528825**	Price
4-1/2	80	Aluminum Oxide	**MM30522806**	Price
4-1/2	80	Ceramic Pro	**MM30524885**	Price
4-1/2	80	Zirconia Pro	**MM30528826**	Price
5	36	Aluminum Oxide	**MM30522902**	Price
5	36	Ceramic Pro	**MM30524981**	Price
5	36	Zirconia Pro	**MM30528922**	Price
5	60	Aluminum Oxide	**MM30522905**	Price
5	60	Ceramic Pro	**MM30524984**	Price
5	60	Zirconia Pro	**MM30528925**	Price
5	80	Aluminum Oxide	**MM30522906**	Price
5	80	Ceramic Pro	**MM30524985**	Price
5	80	Zirconia Pro	**MM30528926**	Price

STANDARD ABRASIVES 4-1/2" & 5" Surface Conditioning Discs



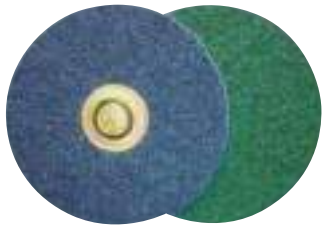
FE Discs:
- Most durable with highest edge durability
- Best when high contact pressure and stock removal are required on ferrous metals

GP Discs:
- Provides high initial and extended rate of cut on flat surfaces and edges, with light pressure
- Most efficient on aluminum and other soft metals where final finish is important
- Resists loading

RL Discs:
- Highest initial rate of cut with light pressure
- Best material for flat surface finishing on ferrous metals
- 5/8-11 Hub size
- Max RPM 10,000

Dia. (in.)	Grade	Material	Order No.	Price
4-1/2	Coarse	FE	**MM30843531**	Price
4-1/2	Coarse	GP	**MM30843537**	Price
4-1/2	Coarse	RC	**MM30843533**	Price
4-1/2	Medium	FE	**MM30843532**	Price
4-1/2	Medium	RC	**MM30843535**	Price
4-1/2	Very Fine	FE	**MM30843534**	Price
4-1/2	Very Fine	GP	**MM30843539**	Price
4-1/2	Very Fine	RC	**MM30843536**	Price
5	Coarse	FE	**MM30843731**	Price
5	Coarse	GP	**MM30843737**	Price
5	Coarse	RC	**MM30843733**	Price
5	Medium	FE	**MM30843732**	Price
5	Medium	GP	**MM30843738**	Price
5	Medium	RC	**MM30843735**	Price
5	Very Fine	FE	**MM30843734**	Price
5	Very Fine	GP	**MM30843739**	Price
5	Very Fine	RC	**MM30843736**	Price

STANDARD ABRASIVES 4-1/2" & 5" High Strength Buff & Blend® Discs



- Very durable material for flat and edge surface blending, finishing and cleaning
- Consistent finishing rate and non-loading
- Coarse Grade: Provides heavy stock removal without undercutting or gouging the work piece
- Medium Grade: Recommended as a starting point for surface preparation prior to surface coatings
- 5/8-11 Quick Change Hub size
- Max RPM 10,000

Dia. (in.)	Grade	Material	Order No.	Price
4-1/2	Medium	Aluminum Oxide	**MM30846822**	Price
4-1/2	Coarse	Aluminum Oxide	**MM30846821**	Price
5	Coarse	Aluminum Oxide	**MM30846921**	Price
5	Medium	Aluminum Oxide	**MM30846922**	Price

STANDARD ABRASIVES 4-1/2" and 5" Coating Removal Discs

- Very aggressive non-woven material used for cleaning welds, removing corrosion, rust, scale, paint and other surface contaminants
- Self dressing and non-loading
- 5/8-11 Hub size
- Max RPM 6,000



Dia. (in.)	Grade	Material	Order No.	Price
4-1/2	Extra Coarse	Cleaning	**MM30843890**	Price
5	Extra Coarse	Cleaning	**MM30843990**	Price

STANDARD ABRASIVES Holder Pads for 4-1/2" & 5" Quick Change Discs

- The 4-1/2″ disc system should be used on the 5″ Standard Abrasives holder pad
- Proper pad set-up is required
- SM45F works with Bosch, Dynabrade and Metabo and all other 5″ disc sanders
- BD45F works with Black & Decker disc sanders only

Standard Abrasive 5" quick change discs are used with these brands and model 5" disc sanders:
- Bosch: 1803EVS
- Dynabrade: 50320,52562,50304 & 50345
- Metabo: WE4-125
- They will also fit any 5" disc sander with Max RPM of 10,000 and 5/8-11 mount for holder pad



Dia. (in.)	Hub Size	Style	Max. RPM	Order No.	Price
4-1/2	5/8-11 Hub	BD45F	10,000	**MM30543629**	Price
4-1/2	5/8-11 Hub	SM45F	10,000	**MM30543630**	Price
5	5/8-11 Hub	BD55F	10,000	**MM30543628**	Price
5	5/8-11 Hub	SM55F	10,000	**MM30543632**	Price

Bear-Tex® Series 1000 Convolute Wheels

General Deburring, Blending & Finishing

Bear-Tex Series 1000:

- Wheels are unmatched in maintenance operations
- Use on power tools, lathes and hand machines for deburring, blending, cleaning, finishing and polishing

Features:

- Smear and heat resistant
- Polishing of stainless steel parts
- Deburring and finishing intricate or flat shapes
- Removes coated abrasive scratch patterns
- Edge Radiusing





Series 1000 Marking System:

- Bond System: 1 = Series 1000 Bond
- Abrasive: S = Silicon Carbide, A = Aluminum Oxide
- Density: 6-8 = Open/Conformable, 9 = Dense/Durable
- Grit Size: VF = Very Fine, F = Fine, M = Medium

Size (in.)	Spec	Std. Pkg.	Max. RPM	Order No.	Price
6 x 1/2 x 1	7SF	25	6,000	**MH62W18628**	Price
6 x 1/2 x 1	8SF	25	6,000	**MH62W0618773**	Price
6 x 1/2 x 1	9SF	25	6,000	**MH62W0655272**	Price
6 x 1 x 1	6AF	25	6,000	**MH62W0655204**	Price
6 x 1 x 1	6AM	25	6,000	**MH62W0655205**	Price
6 x 1 x 1	6SF	25	6,000	**MH62W0655201**	Price
6 x 1 x 1	6SM	25	6,000	**MH62W0655202**	Price
6 x 1 x 1	6SVF	25	6,000	**MH62W0655200**	Price
6 x 1 x 1	7AF	25	6,000	**MH62W0655225**	Price
6 x 1 x 1	7SF	25	6,000	**MH62W0655223**	Price
6 x 1 x 1	9SF	25	6,000	**MH62W0618632**	Price
6 x 1 x 1	8SF	25	4,500	**MH62W0655249**	Price
6 x 1 x 1	8SM	25	6,000	**MH62W0655250**	Price
6 x 1 x 1	9SM	25	6,000	**MH62W0655371**	Price
6 x 2 x 1	7AM	25	6,000	**MH62W0655229**	Price
6 x 2 x 1	7SF	25	6,000	**MH62W0655227**	Price
6 x 2 x 1	7SM	25	6,000	**MH62W0655228**	Price
6 x 2 x 1	9SF	25	6,000	**MH62W0655274**	Price
8 x 1 x 3	6AM	25	4,500	**MH62W0855209**	Price
8 x 1 x 3	6SF	25	3,600	**MH62W0855207**	Price
8 x 1 x 3	6SM	25	4,500	**MH62W0855208**	Price
8 x 1 x 3	7SF	25	4,500	**MH62W18639**	Price
8 x 1 x 3	8SM	25	4,500	**MH62W0818673**	Price
8 x 1 x 3	7AM	25	4,500	**MH62W97885**	Price
8 x 1 x 3	8AF	25	4,500	**MH62W0855257**	Price
8 x 2 x 3	7AM	25	4,500	**MH62W0855235**	Price
8 x 2 x 3	7SF	25	3,600	**MH62W0855233**	Price
8 x 2 x 3	7SM	25	4,500	**MH62W0855234**	Price
8 x 2 x 3	8AM	25	3,600	**MH62W0855259**	Price
8 x 2 x 3	8SF	25	4,500	**MH62W0855258**	Price
8 x 2 x 3	9SF	25	4,500	**MH62W0855276**	Price
10 x 1 x 5	7AM	25	3,600	**MH62W1001813**	Price
10 x 1 x 5	8SF	25	3,000	**MH62W1055260**	Price
10 x 1 x 5	9SF	25	3,600	**MH62W1055277**	Price
12 x 1 x 5	7SF	25	3,000	**MH62W1255237**	Price
12 x 1 x 5	8SF	25	2,550	**MH62W1255262**	Price
12 x 2 x 5	7SF	71	3,000	**MH62W1255240**	Price
12 x 2 x 5	8SF	71	3,000	**MH62W1255265**	Price
12 x 2 x 5	9SF	71	3,000	**MH62W1255279**	Price
12 x 2 x 5	9SM	71	3,000	**MH62W1255374**	Price
14 x 1 x 8	6SM	25	2,550	**MH62W1408722**	Price
14 x 1 x 8	9SM	25	2,550	**MH62W1402114**	Price
14 x 2 x 8	8SM	71	2,550	**MH62W1455270**	Price
14 x 2 x 8	9SF	71	2,550	**MH62W1455281**	Price

Bear-Tex® General Duty Unified Wheels

- Designed for maintenance operations needing an efficient and cost-effective method of deburring, polishing, cleaning or finishing of metals or composites

Features:

- Easily preformed
- Holds shape well
- Non-metallic
- Uniform construction



Benefits:

- Usable on a wide variety of shapes/ contours
- Less wheel dressing
- No contamination of workpiece
- Maintains part tolerance; prevents cutting or gouging

Size (in.)	Spec.	Density	Max. RPM	Order No.	Price
1 x 1 x 3/16	Coarse	Hard	15,000	**MH62UW0100938**	Price
2 x 1/2 x 1/4	Fine	Medium	11,000	**MH62UW0258764**	Price
2 x 1/4 x 1/4	Coarse	Hard	11,000	**MH62UW0252275**	Price
3 x 1/2 x 1/4	Fine	Medium	8,000	**MH62UW0354046**	Price
3 x 1/2 x 1/4	Fine	Medium	8,000	**MH62UW0354048**	Price
3 x 1/4 x 1/4	Fine	Medium	8,000	**MH62UW0358816**	Price
3 x 1/4 x 1/4	Fine	Medium	8,000	**MH62UW0300745**	Price
3 x 1/4 x 1/4	Coarse	Hard	8,000	**MH62UW0352276**	Price
3 x 3/4 x 1/4	Medium	Medium	8,000	**MH62UW0358773**	Price
3 x 3/4 x 1/4	Fine	Medium	8,000	**MH62UW0358769**	Price
3 x 3/4 x 1/4	Fine	Medium	8,000	**MH62UW0358771**	Price
6 x 1/2 x 1/2	Medium	Medium	4,800	**MH62UW0658779**	Price
6 x 1 x 1	220	Medium	4,800	**MH62UW0658814**	Price
6 x 1 x 1	Fine	Medium	4,800	**MH62UW0658797**	Price
6 x 1 x 1/2	Medium	Medium	4,800	**MH62UW0658792**	Price
6 x 1 x 1/2	Fine	Medium	4,800	**MH62UW0658790**	Price

Non-Woven Depressed Center & Quick Change Discs - SG Blaze Rapid Strip

- Heavy coating of ceramic alumina long-lasting grain and advanced resin bond
- Extremely versatile; use one disc for multiple operations



Style - Quick Change Disc		
Size (in.)	**Order No.**	**Price**
2 x 1/2	**MH62RS0203912**	Price
3 x 1/2	**MH62RS0396557**	Price
4 x 1/2	**MH62RS0403921**	Price

Style - Depressed Center Disc		
Size (in.)	**Order No.**	**Price**
4-1/2 x 5/8-11	**MH62RS0498101**	Price
4-1/2 x 7/8	**MH62RS0403783**	Price
5 x 5/8-11	**MH62RS0503915**	Price
5 x 7/8	**MH62RS0503916**	Price
7 x 5/8-11	**MH62RS0703919**	Price
7 x 7/8	**MH62RS0703920**	Price

Scotch-Brite™ Convolute Wheels

Scotch-Brite™ EXL Deburring Wheels

- Use to clean, finish, blend, deburr or polish all types of metals, composites and glass



Size (in.)	Width (in.)	Arbor Hole (in.)	Max RPM	Grit	Std. Pkg.	Order No.	Price
6	1/2	1	6,000	8AMED	4	**TM2313616**	Price
6	1/2	1	6,000	8SFIN	4	**TM2309548**	Price
6	1/2	1	6,000	9SFIN	4	**TM2305790**	Price
6	1	1	6,000	8AMED	3	**TM2313617**	Price
6	1	1	6,000	8SFIN	3	**TM2309549**	Price
6	1	1	6,000	9SFIN	3	**TM2305132**	Price
8	1/2	3	4,500	8AMED	4	**TM2317459**	Price
8	1/2	3	4,500	8SFIN	4	**TM2314629**	Price
8	1/2	3	4,500	9SFIN	4	**TM2305791**	Price
8	1	3	4,500	8AMED	3	**TM2313619**	Price
8	1	3	4,500	8SFIN	3	**TM2309551**	Price
8	1	3	4,500	9SFIN	3	**TM2305135**	Price
8	2	3	4,500	8AMED	2	**TM2313620**	Price
8	2	3	4,500	8SFIN	2	**TM2309552**	Price
8	2	3	4,500	9SFIN	2	**TM2305136**	Price

Scotch-Brite™ Unitized Wheels

Scotch-Brite™ EXL Unitized Deburring Wheels

- Excellent for deburring and polishing a wide range of metals, plastics and composites
- Cool running allows more pressure to be applies
- Cleaner than buffs and compounds



Size (in.)	Width (in.)	Arbor Hole (in.)	Max RPM	Grit	Std. Pkg.	Order No.	Price
1	1	3/16	35,100	2AMED	50	**TM2314063**	Price
1	1	3/16	30,100	2SFIN	50	**TM2313713**	Price
1	1	3/16	25,100	7AMED	50	**TM2315527**	Price
1	1	3/16	35,100	8ACRS	50	**TM2313752**	Price
1	1	3/16	35,100	8AMED	50	**TM2313753**	Price
2	1/4	1/4	22,100	6CMED+	60	**TM2365018**	Price
2	3/4	1/4	22,100	6CMED+	60	**TM2365020**	Price
2	1/8	1/4	22,100	6CMED+	60	**TM2365057**	Price
2	1	1/4	22,100	6CMED+	60	**TM2365058**	Price
2	1/2	1/4	22,100	6CMED+	60	**TM2365019**	Price
3	1/4	3/8	12,100	2AMED	40	**TM2316054**	Price
3	1/4	3/8	12,100	2SFIN	40	**TM2314750**	Price
3	1/4	3/8	18,100	6AMED	40	**TM2315118**	Price
3	1/4	1/4	18,100	6CMED+	40	**TM2365004**	Price
3	1/2	1/4	15,100	6CMED+	40	**TM2365007**	Price
3	1	1/4	15,100	6CMED+	40	**TM2365005**	Price
3	1/8	1/4	18,100	6CMED+	40	**TM2365021**	Price
3	3/4	1/4	15,100	6CMED+	40	**TM2365022**	Price
3	1/4	3/8	18,100	8ACRS	40	**TM2313766**	Price
3	1/4	3/8	18,100	8AMED	40	**TM2314753**	Price
6	1	1	4,500	2AMED	2	**TM2316544**	Price
6	1	1	5,000	2SFIN	2	**TM2313743**	Price
6	1/2	1	5,000	2SFIN	4	**TM2314379**	Price
6	1/2	1	4,500	6AMED	4	**TM2316545**	Price

For 1" use arbor Order No. MM75-850024, For 3" use arbor Order No. MM75-850034. 6" Does not require an arbor.

Scotch-Brite™ Roloc™ EXL Unitized Wheels

- Strong, efficient products for edge deburring and finishing
- Used with 3M™ Roloc™ or 3M™ Roloc™ + holder pads on a straight shaft or right-angle tool



Dia. (in.)	Max RPM	Grit	Std. Pkg.	Order No.	Price Ea.
2	22,100	2AMED	4	**TM2317185**	Price
2	22,100	2SFIN	4	**TM2317183**	Price
2	22,100	6AMED	4	**TM2317190**	Price
3	15,100	2AMED	4	**TM2317186**	Price
3	15,100	2SFIN	4	**TM2317184**	Price
3	15,100	6AMED	4	**TM2317191**	Price

Scotch-Brite™ SF Finishing & Deburring Wheels

- Use to finish and deburr all types of metals, composites and glass
- Fast, consistent and easy on operators



Size (in.)	Width (in.)	Arbor Hole (in.)	Std. Pkg.	Grit	Max RPM	Order No.	Price
6	1	1	3	10SFIN	6,000	**TM2394917**	Price
6	1	1	3	9SFIN	6,000	**TM2394905**	Price
6	1	1	5	9SFIN	6,000	**TM2364900**	Price
6	1/2	1	4	10SFIN	6,000	**TM2394926**	Price
6	1/2	1	4	9SFIN	6,000	**TM2394904**	Price
6	1/2	1	5	9SFIN	6,000	**TM2364899**	Price
8	1	3	3	9SFIN	4,500	**TM2394908**	Price
8	1	3	5	9SFIN	4,500	**TM2364902**	Price
8	1/2	3	4	10SFIN	4,500	**TM2394927**	Price
8	1/2	3	5	9SFIN	4,500	**TM2364901**	Price
6	1/2	1	4	8SFIN	6,000	**TM2333174**	Price
6	1/2	1	4	8SMED	6,000	**TM2333184**	Price
6	1	1	3	8SMED	6,000	**TM2333185**	Price
8	1/2	3	4	9SFIN	4,500	**TM2394907**	Price

Scotch-Brite™ Cut & Polish Wheels

- Heavy-duty wheels for aggressive blending and finishing
- Produce uniform results quickly and easily replace rubber bonded wheels, set-up wheels and flap wheels



Size (in.)	Width (in.)	Arbor Hole (in.)	Max RPM	Grit	Std. Pkg.	Order No.	Price
6	1	1	6,000	7AFIN	3	**TM2303270**	Price
6	1	1	6,000	7AMED	3	**TM2303262**	Price

Scotch-Brite™ Multi-Finishing Wheels

- Produces uniform grain finishes on stainless steel and other metals
- Highly conformable



Size (in.)	Face Width (in.)	Arbor Hole (in.)	Max RPM	Grit	Std. Pkg.	Order No.	Price
6	1	1	6,000	2SCRS	3	**TM2313170**	Price
6	1	1	6,000	2SFIN	3	**TM2313172**	Price
6	1	1	6,000	2SMED	3	**TM2313171**	Price
6	2	1	6,000	2SCRS	2	**TM2313176**	Price
6	2	1	6,000	2SFIN	2	**TM2313178**	Price
6	2	1	6,000	2SMED	2	**TM2313177**	Price
8	1	3	4,500	2SFIN	3	**TM2313184**	Price
8	2	3	4,500	2SCRS	2	**TM2313185**	Price
8	2	3	4,500	2SMED	2	**TM2313186**	Price

STANDARD ABRASIVES GP Plus™ Wheels

- Removes burrs and breaks edges faster and with less effort than competitive wheels
- Great for small parts – the fast cut rate reduces dwell time and eliminates severe heat generation
- Reduction in heat contributes to a perfect surface finish
- These wheels have lower attrition rates under normal and heavy loads



Size (in.)	Abrasive Type	Grade	Spec	Order No.	Price
6 x 1/2 x 1	Silicon Carbide	Fine	9	**MM75850373**	Price
6 x 1/2 x 1	Aluminum Oxide	Fine	10SF	**MM75855053**	Price
6 x 1/2 x 1	Aluminum Oxide	Medium	8AM	**MM75853042**	Price
6 x 1/2 x 1	GP Plus	Fine	11	**MM75850345**	Price
6 x 1/2 x 1	GP Plus	Medium	8	**MM75853052**	Price
6 x 1/2 x 1	Silcon Carbide	Fine	8SF	**MM75853053**	Price
6 x 1/2 x 1	Silcon Carbide	Fine	9SF	**MM75854053**	Price
6 x 1 x 1	Silicon Carbide	Fine	9	**MM75850374**	Price
6 x 1 x 1	Aluminum Oxide	Fine	10SF	**MM75855153**	Price
6 x 1 x 1	Aluminum Oxide	Medium	8AM	**MM75853142**	Price
6 x 1 x 1	GP Plus	Fine	11	**MM75850153**	Price
6 x 1 x 1	GP Plus	Medium	8	**MM75853152**	Price
6 x 1 x 1	S/O	Fine	8SF	**MM75853153**	Price
6 x 1 x 1	S/O	Fine	9SF	**MM75854153**	Price
6 x 2 x 1	GP Plus	Medium	8	**MM75853252**	Price
6 x 2 x 1	Silcon Carbide	Fine	9SF	**MM75854253**	Price
8 x 1/2 x 3	Aluminum Oxide	Fine	10SF	**MM75855753**	Price
8 x 1/2 x 3	Aluminum Oxide	Medium	8AM	**MM75853742**	Price
8 x 1 x 3	Silicon Carbide	Fine	9	**MM75850376**	Price
8 x 1/2 x 3	Silicon Carbide	Fine	9	**MM75850375**	Price
8 x 1/2 x 3	Silcon Carbide	Fine	8SF	**MM75853753**	Price
8 x 1/2 x 3	Silcon Carbide	Fine	9SF	**MM75854753**	Price
8 x 1 x 3	GP Plus	Fine	11	**MM75850353**	Price
8 x 1 x 3	Aluminum Oxide	Fine	10SF	**MM75855353**	Price
8 x 1 x 3	Aluminum Oxide	Medium	8SF	**MM75853342**	Price
8 x 1 x 3	GP Plus	Medium	8	**MM75853352**	Price
8 x 1 x 3	Silcon Carbide	Fine	8AM	**MM75853353**	Price
8 x 1 x 3	Silcon Carbide	9SF Fine	9SF	**MM75854353**	Price
8 x 2 x 3	GP Plus	Fine	9	**MM75854453**	Price
8 x 2 x 3	GP Plus	Medium	8	**MM75853452**	Price
8 x 2 x 3	S/O	Fine	8SF	**MM75853453**	Price
10 x 1/2	GP Plus	Fine	-	**MM75840109**	Price
10 x 1/2	GP Plus	Very Fine	-	**MM75840108**	Price
10 x 1/2	GP Plus	Medium	-	**MM75840110**	Price
12 x 1/2 x 5	Aluminum Oxide	Fine	10SF	**MM75850284**	Price
12 x 1/2 x 5	Aluminum Oxide	Medium	8AM	**MM75850286**	Price
12 x 1/2 x 5	Silcon Carbide	Fine	8SF	**MM75850256**	Price
12 x 1 x 5	Aluminum Oxide	Fine	10SF	**MM75855953**	Price
12 x 1 x 5	Aluminum Oxide	Medium	8AM	**MM75853942**	Price
12 x 1 x 5	GP Plus	Medium	8	**MM75853952**	Price
12 x 1 x 5	Silcon Carbide	Fine	8SF	**MM75853953**	Price
12 x 1 x 5	Silcon Carbide	Fine	9SF	**MM75854953**	Price
12 x 1-1/4	GP Plus	Very Fine	-	**MM75849128**	Price
12 x 1-1/4	GP Plus	Fine	-	**MM75849129**	Price
12 x 1-1/4	GP Plus	Medium	-	**MM75849130**	Price
12 x 2 x 5	Silcon Carbide	Fine	8SF	**MM75853853**	Price
12 x 2 x 5	Silcon Carbide	Fine	9SF	**MM75854853**	Price

14" Diameter Convolute Wheels are also available.

STANDARD ABRASIVES Multi-Finishing Wheels

- Blending coated abrasive scratches
- Blending surfaces to match #4 mil finishes
- Applying grain finish prior to anodizing
- Applying burr free satin finish to architectural hardware



Size (in.)	Abrasive Type	Grade	Spec	Order No.	Price
6 x 1 x 1	Silcon Carbide	Coarse	2SC	**MM75856191**	Price
6 x 1 x 1	Silcon Carbide	Medium	2SM	**MM75856192**	Price
6 x 2 x 1	Silcon Carbide	Coarse	2SC	**MM75856291**	Price
6 x 2 x 1	Silcon Carbide	Medium	2SM	**MM75856292**	Price
6 x 3 x 1	Silcon Carbide	Coarse	2SC	**MM75850307**	Price
6 x 3 x 1	Silcon Carbide	Medium	2SM	**MM75850306**	Price
8 x 1 x 3	Silcon Carbide	Coarse	2SC	**MM75856391**	Price
8 x 1 x 3	Silcon Carbide	Medium	2SM	**MM75856392**	Price
8 x 2 x 3	Silcon Carbide	Coarse	2SC	**MM75856491**	Price
8 x 2 x 3	Silcon Carbide	Medium	2SM	**MM75856492**	Price
12 x 1 x 5	Silcon Carbide	Coarse	2SC	**MM75856991**	Price
12 x 1 x 5	Silcon Carbide	Medium	2SM	**MM75856992**	Price
12 x 2 x 5	Silcon Carbide	Coarse	2SC	**MM75856891**	Price
12 x 2 x 5	Silcon Carbide	Medium	2SM	**MM75856892**	Price

STANDARD ABRASIVES Light Deburring Wheel (LDW)

- The LDW is used for light deburring, blending and finishing of small parts
- Conformability and feel of the softer wheel provides the customer with greater flexibility than competitive wheels



Size (in.)	Grit	Spec	Order No.	Price
6 x 1/2 x 1	Fine	6SF	**MM75851033**	Price
6 x 1/2 x 1	Fine	7SF	**MM75852033**	Price
6 x 1/2 x 1	Fine	8SF	**MM75853033**	Price
6 x 1 x 1	Fine	6SF	**MM75851133**	Price
6 x 1 x 1	Fine	7SF	**MM75852133**	Price
6 x 1 x 1	Fine	8SF	**MM75853133**	Price
8 x 1 x 3	Fine	6SF	**MM75851333**	Price
8 x 1 x 3	Fine	7SF	**MM75852333**	Price
8 x 1 x 3	Fine	8SF	**MM75853333**	Price
12 x 1 x 5	Fine	6SF	**MM75851933**	Price
12 x 1 x 5	Fine	7SF	**MM75852933**	Price
12 x 1 x 5	Fine	8SF	**MM75853933**	Price

Additional densities and sizes available upon request.

STANDARD ABRASIVES Metal Finishing Wheels

- Designed for final finishing on all types of metal and provide greater productivity, measurably longer life and consistent finishes
- Additional densities and sizes available upon request (Coarse discontinued)



Size (in.)	Grit	Spec	Order No.	Price
6 x 1/2 x 1	Medium	5AM	**MM75858082**	Price
6 x 1/2 x 1	Medium	6AM	**MM75859082**	Price
6 x 1 x 1	Medium	5AM	**MM75858182**	Price
6 x 1 x 1	Medium	6AM	**MM75859182**	Price
8 x 1 x 3	Medium	5AM	**MM75858382**	Price
8 x 1 x 3	Medium	6AM	**MM75859382**	Price
8 x 2 x 3	Medium	5AM	**MM75858482**	Price
8 x 2 x 3	Medium	6AM	**MM75859482**	Price
12 x 1 x 5	Medium	5AM	**MM75858982**	Price
12 x 2 x 5	Medium	5AM	**MM75858882**	Price

- For stock removal, Unitized Wheels are the “metal-eating” performers
- Unitized Wheels require only light to medium contact pressures
- For polishing and deburring, A/O emphasizes stock removal (deburring) and S/C emphasizes finishing
- The aggressiveness increases with the density
- 900 series is the hardest and 500 is the softest
- User friendly
- General purpose cleaning
- Removing rust
- Polishing soft metals
- Coating removal
- Cleaning prior to painting



BriteRite® Unitized Wheels - 500 Series

Light Deburring and Cleaning • Soft Density

Size (in.)	Order No.	Price
2 x 1/4 x 1/4	**MM75852110**	Price
2 x 1/4 x 1/4	**MM75853210**	Price
3 x 1/4 x 1/4	**MM75852135**	Price
3 x 1/4 x 1/4	**MM75853235**	Price
3 x 1/2 x 1/4	**MM75852140**	Price
3 x 1/2 x 1/4	**MM75853240**	Price
6 x 1 x 1	**MM75852178**	Price
6 x 1 x 1	**MM75853278**	Price

Unitized Wheels - 600 Series

Medium Cleaning, Blending and Finishing Medium Density • Fine Grade

Size (in.)	Order No.	Price
2 x 1/2 x 1/4	**MM75863115**	Price
2 x 1/2 x 1/4	**MM75863215**	Price
3 x 1/4 x 1/4	**MM75863135**	Price
3 x 1/4 x 1/4	**MM75863235**	Price
3 x 1/2 x 1/4	**MM75863140**	Price
3 x 1/2 x 1/4	**MM75863240**	Price
6 x 1/2 x 1	**MM75863175**	Price
6 x 1/2 x 1	**MM75863275**	Price
6 x 1 x 1	**MM75863178**	Price
6 x 1 x 1	**MM75863278**	Price

BriteRite® Unitized Wheels - 700 Series

Medium Deburring • Heavy Cleaning • Hard/Medium Density Aluminum Oxide • Fine Grade

Size (in.)	Order No.	Price
1 x 1 x 3/16	**MM75873105**	Price
3 x 1/4 x 1/4	**MM75873135**	Price
3 x 1/4 x 1/4	**MM75873235**	Price
6 x 1 x 1	**MM75873178**	Price
6 x 1 x 1	**MM75873278**	Price

BriteRite® Unitized Wheels - 800 Series

Heavy Deburring • Medium Polish • Hard Density Aluminum Oxide • Medium Grade

Size (in.)	Order No.	Price
1 x 1 x 3/16	**MM75882105**	Price
2 x 1/4 x 1/4	**MM75882110**	Price
2 x 1/2 x 1/4	**MM75882115**	Price
3 x 1/8 x 1/4	**MM75882133**	Price
3 x 1/4 x 1/4	**MM75882135**	Price
3 x 1/2 x 1/4	**MM75882140**	Price
6 x 1/2 x 1	**MM75882175**	Price
6 x 1 x 1	**MM75882178**	Price

Additional densities and sizes available upon request.

Unitized Discs, Quick Change

Best wheel for: Deburring, finishing, blending, and fast stock removal on ferrous and non-ferrous materials

- 500 Series: For tough cleaning, finishing and polishing jobs
- 600 Series: For tough blending and polishing applications
- 700 Series: For tough deburring and cleaning applications
- 800 Series: For tough deburring and polishing applications
- 900 Series: For tough deburring and polishing “harder” metals

Series - 500 Series - Rol-On					
Size (in.)	Density	Type	Grain	Order No.	Price
2 x 1/4	Soft	521	A/O	**MM30852199**	Price
2 x 1/4	Soft	524	S/C	**MM30852499**	Price
2 x 1/4	Soft	532	S/C	**MM30853299**	Price
3 x 1/4	Soft	521	A/O	**MM30852198**	Price
3 x 1/4	Soft	532	S/C	**MM30853298**	Price

Series - 600 Series - Rol-On					
Size (in.)	Density	Type	Grain	Order No.	Price
2 x 1/4	Soft / Medium	631	A/O	**MM30863199**	Price
2 x 1/4	Soft / Medium	632	S/C	**MM30863299**	Price
3 x 1/4	Soft / Medium	631	A/O	**MM30863198**	Price
3 x 1/4	Soft / Medium	632	S/C	**MM30863298**	Price

Series - 700 Series - Rol-On					
Size (in.)	Density	Type	Grain	Order No.	Price
3 x 1/4	Medium/Hard	731	A/O	**MM30873198**	Price

Series - 800 Series - Rol-On					
Size (in.)	Density	Type	Grain	Order No.	Price
3 x 1/8	Hard	811	A/O	**MM30881197**	Price
3 x 1/8	Hard	821	A/O	**MM30882197**	Price
3 x 1/4	Hard	821	A/O	**MM30882198**	Price

Series - 900 Series - Rol-On					
Size (in.)	Density	Type	Grain	Order No.	Price
3 x 1/4	Extra Hard	911	A/O	**MM30891198**	Price
3 x 1/4	Extra Hard	921	A/O	**MM30892198**	Price
3 x 1/8	Extra Hard	921	A/O	**MM30892197**	Price

Mandrels for Unitized Wheels





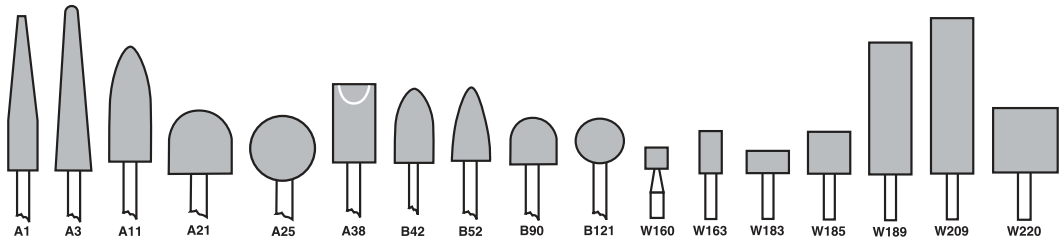


Style	Shank Length (in.)	Shank Dia. (in.)	Use With Wheel Dia.	Use With Wheel Thick	Order No.	Price
A	7/8	1/4	1"	1	**MM75850034**	Price
B	1-1/4	1/4	6"	1/2-1	**MM75850030**	Price
C	Various	1/4	1-1/4" to 4"	1/8-1	**MM75850029**	Price

Non-Woven Abrasives Unitized Mounted Points

- Made from the high durability Unitized material and are available in standard ANSI shapes for varying work piece dimensions and applications
- Deburring and blending requires high RPM
- Decorative finishing requires low RPM
- Polishing requires high speeds and low pressure
- 900 series is the hardest and 600 is the softest
- The aggressiveness increases with the hardness





Shape	Dia. (in.)	Length (in.)	Shank (in.)	Series	Order No.	Price
A1	3/4	2-1/2	1/4	732	**MM75877057**	Price
A1	3/4	2-1/2	1/4	821	**MM75877058**	Price
A11	7/8	2	1/4	732	**MM75877061**	Price
A11	7/8	2	1/4	821	**MM75877062**	Price
A21	1	1	1/4	632	**MM75877015**	Price
A21	1	1	1/4	731	**MM75877012**	Price
A21	1	1	1/4	732	**MM75877016**	Price
A21	1	1	1/4	811	**MM75877014**	Price
A21	1	1	1/4	821	**MM75877013**	Price
A25	1	1	1/4	811	**MM75877018**	Price
A25	1	1	1/4	821	**MM75877017**	Price
A3	1	2-3/4	1/4	732	**MM75877059**	Price
A38	1	1	1/8	732	**MM75877063**	Price
A38	1	1	1/8	821	**MM75877064**	Price
B121	1/2	1/2	1/8	632	**MM75877039**	Price
B121	1/2	1/2	1/8	731	**MM75877008**	Price
B121	1/2	1/2	1/8	811	**MM75877010**	Price
B121	1/2	1/2	1/8	821	**MM75877009**	Price
B42	1/2	3/4	1/8	732	**MM75877065**	Price
B42	1/2	3/4	1/8	821	**MM75877066**	Price
B52	3/8	3/4	1/8	631	**MM75877036**	Price
B52	3/8	3/4	1/8	731	**MM75877000**	Price
B52	3/8	3/4	1/8	732	**MM75877003**	Price
B52	3/8	3/4	1/8	811	**MM75877002**	Price
B52	3/8	3/4	1/8	821	**MM75877001**	Price
B90	1/2	1/2	1/8	631	**MM75877038**	Price
B90	1/2	1/2	1/8	731	**MM75877004**	Price
B90	1/2	1/2	1/8	732	**MM75877007**	Price
B90	1/2	1/2	1/8	811	**MM75877006**	Price
B90	1/2	1/2	1/8	821	**MM75877005**	Price
W160	1/4	1/4	1/8	732	**MM75877040**	Price
W160	1/4	1/4	1/8	811	**MM75877020**	Price
W160	1/4	1/4	1/8	821	**MM75877019**	Price
W163	1/4	1/2	1/8	731	**MM75877041**	Price
W163	1/4	1/2	1/8	732	**MM75877045**	Price
W163	1/4	1/2	1/8	811	**MM75877022**	Price
W163	1/4	1/2	1/8	821	**MM75877021**	Price
W183	1/2	1/4	1/8	632	**MM75877026**	Price
W183	1/2	1/4	1/8	731	**MM75877023**	Price
W183	1/2	1/4	1/8	732	**MM75877027**	Price
W183	1/2	1/4	1/8	811	**MM75877025**	Price
W183	1/2	1/4	1/8	821	**MM75877024**	Price
W185	1/2	1/2	1/8	631	**MM75877028**	Price
W185	1/2	1/2	1/8	632	**MM75877032**	Price
W185	1/2	1/2	1/8	731	**MM75877029**	Price
W185	1/2	1/2	1/8	732	**MM75877033**	Price
W185	1/2	1/2	1/8	811	**MM75877031**	Price
W185	1/2	1/2	1/8	821	**MM75877030**	Price
W189	1/2	2	1/4	732	**MM75877067**	Price
W189	1/2	2	1/4	821	**MM75877068**	Price
W209	3/4	2-1/2	1/4	821	**MM75877070**	Price
W220	1	1	1/4	811	**MM75877035**	Price
W220	1	1	1/4	821	**MM75877034**	Price

Additional sizes available upon request.

Non-Woven Abrasives Type 27 Unitized Discs

- Deburring, edge breaking, cleaning, blending, final finishing and polishing
- 800 series is the hardest and 500 is the softest
- The aggressiveness increases with the density
- User friendly



Size (in.)	Series	Grain	Density	Grade	Order No.	Price
4-1/2	532	Silicon Carbide	Soft	Fine	**MM75811532**	Price
4-1/2	632	Silicon Carbide	Medium	Fine	**MM75811632**	Price
4-1/2	732	Silicon Carbide	Medium	Fine	**MM75811732**	Price
4-1/2	811	Aluminum Oxide	Hard	Coarse	**MM75811811**	Price
4-1/2	821	Silicon Carbide	Hard	Medium	**MM75811821**	Price

Discs have 7/8" arbor hole.

Non-Woven Abrasives Unitized Mounted Points Kit

- A sampling of popular Unitized Mounted Points is available in this mini kit



Order No.	Price
MM75800031	Price

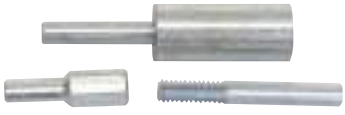
MERIT Aluminum Oxide Bore Polishers

- Fast — versatile polishing
- Aluminum oxide resin bond
- Smooth — vibration-free
- Spring action provides – self centering and consistent cutting as it wears
- Cleans, deburrs and polishes ID's of cylinders, deep tubes and hydraulic fittings



			60		80		120		180		240		320	
Model No.	Max. RPM	Size I.D. To Be Polished	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
B-305	25,000	-	**MM4554190**	Price	**MM4554191**	Price	**MM4554193**	Price	**MM4554195**	Price	**MM4554197**	Price	**-**	-
B-405	22,000	1 to 1-1/2	**MM4554091**	Price	**MM4554092**	Price	**MM4554093**	Price	**MM4554094**	Price	**MM4554095**	Price	**-**	-
B-410	20,000	1-1/2 to 2	**MM4554100**	Price	**MM4554101**	Price	**MM4554102**	Price	**MM4554103**	Price	**MM4554104**	Price	**-**	-
B-415	16,000	2-1/8 to 2-1/2	**MM4554109**	Price	**MM4554110**	Price	**MM4554111**	Price	**MM4554112**	Price	**MM4554113**	Price	**-**	-
B-420	15,000	2-1/2 to 3	**MM4554118**	Price	**MM4554119**	Price	**MM4554120**	Price	**MM4554121**	Price	**MM4554122**	Price	**-**	-
B-425	10,000	3-1/8 to 4	**MM4554127**	Price	**MM4554128**	Price	**MM4554129**	Price	**MM4554130**	Price	**MM4554131**	Price	**MM4554132**	Price
B-810	16,000	2 to 2-1/2	**MM4554136**	Price	**MM4554137**	Price	**MM4554138**	Price	**MM4554139**	Price	**MM4554140**	Price	**MM4554141**	Price
B-815	15,000	2-5/8 to 3	**MM4554145**	Price	**MM4554146**	Price	**MM4554147**	Price	**MM4554148**	Price	**MM4554149**	Price	**-**	-
B-820	10,000	3-1/8 to 4	**MM4554154**	Price	**MM4554155**	Price	**MM4554156**	Price	**MM4554157**	Price	**MM4554158**	Price	**MM4554159**	Price
B-825	8,000	4-1/4 to 5-1/4	**MM4554163**	Price	**MM4554164**	Price	**MM4554165**	Price	**MM4554166**	Price	**MM4554167**	Price	**-**	-
B-830	8,000	5-1/4 to 5-7/8	**MM4554172**	Price	**MM4554173**	Price	**MM4554174**	Price	**MM4554175**	Price	**MM4554176**	Price	**MM4554177**	Price

MERIT Mandrels for Bore Polishers



Size (in.)	Model No.	Order No.	Price
For B-3 Series	QC-5-5/16-18 THD	**MM4554182**	Price
For B-4 Series	BPM-4-1/2-13 THD	**MM4554183**	Price
For B-8 Series	BPM-8-1/4-20 THD	**MM4554184**	Price

MERIT Extension Mandrels for Bore Polishers—1/4-20 THD



Size (in.)	Model No.	Order No.	Price
1/4 x 4	EM-144	**MM4554185**	Price
1/4 x 6	EM-146	**MM4554186**	Price
1/4 x 8	EM-148	**MM4554187**	Price

SUPERIOR Rigid Kut® Ceramic Quick Change Discs

- Our most firm disc, as stiff as a fiber disc with better grain retention
- Grind high temp alloys such as cobalt chrome, hastalloy and inconel
- Extended life over all other quick change discs with tremendous edge wear



Diameter (in.) - 2				
	Roll-On		Turn-On	
Size	Order No.	Price	Order No.	Price
36	**MM6447813**	Price	**MM6447801**	Price
50	**MM6447814**	Price	**MM6447802**	Price
60	**MM6447815**	Price	**MM6447803**	Price
80	**MM6447816**	Price	**MM6447804**	Price
120	**MM6447818**	Price	**MM6447806**	Price

Diameter (in.) - 3				
	Roll-On		Turn-On	
Size	Order No.	Price	Order No.	Price
36	**MM6447819**	Price	**MM6447807**	Price
50	**MM6447820**	Price	**MM6447808**	Price
60	**MM6447821**	Price	**MM6447809**	Price
80	**MM6447822**	Price	**MM6447810**	Price
120	**MM6447824**	Price	**MM6447812**	Price

Standard package - 2"=100 pack / 3"=50/pack
2" Holder: Roll-On – MM59-64922 Turn-On – MM59-64198
3" Holder: Roll-On – MM59-64949 Turn-On – MM59-64113

SUPERIOR Shur-Brite® Stars

- Reinforced non-woven abrasive surface conditioning material
- Designed for cleaning and polishing the ID of tubing
- Provides a smooth, consistent finish
- Ideal for heavy rust and oxidation removal
- Blending machine tool marks and other surface imperfections



		Coarse		Medium		Very Fine	
Size (in.)	Stars per Box	Order No.	Price	Order No.	Price	Order No.	Price
2	100	**MM7528835**	Price	**MM7528836**	Price	**MM7528837**	Price
3	50	**MM7528838**	Price	**MM7528839**	Price	**MM7528840**	Price
4	50	**MM7528841**	Price	**MM7528842**	Price	**MM7528843**	Price
1-1/2	100	**MM7528832**	Price	**MM7528833**	Price	**MM7528834**	Price

Mandrel EM-4 (fits all sizes) 1/4" Shank Order No. MM75-12219

Standard Duty Brush Research Flex-Hone®

Resilient, Flexible Honing Tool For Small Internal Honing • 8” Overall Length

Features:
- Soft cutting action
- Self-centering aligning
- Self compensating for wear
- Silicon carbide abrasive

Applications:
- Hydraulic ram cylinders
- Pneumatic cylinders
- Hydraulic valve bodies & guides
- Brake and clutch cylinders
- Compressed air tool bodies
- Fine surface finishing of stainless tubing



		120		180		240		320	
Specification	Dia. (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
BC 1	25.4mm	**MJ731120**	Price	**MJ731180**	Price	**MJ731240**	Price	**MJ731320**	Price
BC 1/2	12.7mm	**MJ7350120**	Price	**MJ7350180**	Price	**MJ7350240**	Price	**MJ7350320**	Price
BC 10mm	.394	**MJ7310120**	Price	**MJ7310180**	Price	**MJ7310240**	Price	**MJ7310320**	Price
BC 1-1/2	38mm	**MJ73150120**	Price	**MJ73150180**	Price	**MJ73150240**	Price	**MJ73150320**	Price
BC 1-1/4	31.8mm	**MJ73125120**	Price	**MJ73125180**	Price	**MJ73125240**	Price	**MJ73125320**	Price
BC 11mm	.433	**MJ7311120**	Price	**MJ7311180**	Price	**MJ7311240**	Price	**MJ7311320**	Price
BC 1-3/4	45mm	**MJ73175120**	Price	**MJ73175180**	Price	**MJ73175240**	Price	**MJ73175320**	Price
BC 2	51mm	**MJ732120**	Price	**MJ732180**	Price	**MJ732240**	Price	**MJ732320**	Price
BC 2-1/2	64mm	**MJ73250120**	Price	**MJ73250180**	Price	**MJ73250240**	Price	**MJ73250320**	Price
BC 2-1/4	57mm	**MJ73225120**	Price	**MJ73225180**	Price	**MJ73225240**	Price	**MJ73225320**	Price
BC 2-3/4	70mm	**MJ73275120**	Price	**MJ73275180**	Price	**MJ73275240**	Price	**MJ73275320**	Price
BC 3	76mm	**MJ733120**	Price	**MJ733180**	Price	**MJ733240**	Price	**MJ733320**	Price
BC 3/4	19mm	**MJ7375120**	Price	**MJ7375180**	Price	**MJ7375240**	Price	**MJ7375320**	Price
BC 5/8	15.9mm	**MJ73625120**	Price	**MJ73625180**	Price	**MJ73625240**	Price	**MJ73625320**	Price
BC 7mm	.276	**MJ737120**	Price	**MJ737180**	Price	**MJ737240**	Price	**MJ737320**	Price
BC 8mm	.315	**MJ738120**	Price	**MJ738180**	Price	**MJ738240**	Price	**MJ738320**	Price
BC 9mm	.354	**MJ739120**	Price	**MJ739180**	Price	**MJ739240**	Price	**MJ739320**	Price

Heavy Duty Brush Research Flex-Hone®

3” – 4-1/2” Dia. = 13-1/2” Overall Length • 5” and Over = 17-1/2” Overall Length
For Large Internal Honing • Block Cylinders or Liners

		120		180		240	
Specification (in./mm)	For Bore Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price
GBD 3 / 76	3 to 2-3/4	**MJ73300120**	Price	**MJ73300180**	Price	**MJ73300240**	Price
GBD 3-1/2 / 89	3-1/2 to 3	**MJ73350120**	Price	**MJ73350180**	Price	**MJ73350240**	Price
GBD 3-1/4 / 83	3-1/4 to 3	**MJ73325120**	Price	**MJ73325180**	Price	**MJ73325240**	Price
GBD 3-3/4 / 95	3-3/4 to 3-1/4	**MJ73375120**	Price	**MJ73375180**	Price	**MJ73375240**	Price
GBD 4 / 101	4 to 3-1/2	**MJ73400120**	Price	**MJ73400180**	Price	**MJ73400240**	Price
GBD 4-1/2 / 114	4-1/2 to 4	**MJ73450120**	Price	**MJ73450180**	Price	**MJ73450240**	Price
GBD 4-1/4 / 108	4-1/4 to 4	**MJ73425120**	Price	**MJ73425180**	Price	**MJ73425240**	Price
GBD 5 / 127	5 to 4-1/2	**MJ73500120**	Price	**MJ73500180**	Price	**MJ73500240**	Price
GBD 5-1/2 / 140	5-1/2 to 5	**MJ73550120**	Price	**MJ73550180**	Price	**MJ73550240**	Price
GBD 6 / 152	6 to 5-1/2	**MJ73600120**	Price	**MJ73600180**	Price	**MJ73600240**	Price
GBD 6-1/2 / 165	6-1/2 to 6	**MJ73650120**	Price	**MJ73650180**	Price	**MJ73650240**	Price
GBD 7 / 178	7 to 6-1/2	**MJ73700120**	Price	**MJ73700180**	Price	**MJ73700240**	Price
GBD 7-1/2 / 190	7-1/2 to 7	**MJ73750120**	Price	**MJ73750180**	Price	**MJ73750240**	Price
GBD 8 / 203	8 to 7-1/2	**MJ73800120**	Price	**MJ73800180**	Price	**MJ73800240**	Price

Brush Research Flex-Honing® Oil

1/2 Pint

- For use with all metal honing applications except hydraulic cylinders – use hydraulic brake fluid
- Hazard Code: 58



Order No.	Price
MJ7308	Price

Suggested RPM

The Flex-Hone tool is a low RPM tool. Specific RPM is dependent on the diameter of the tool and the application. General speed ranges are given but, again, machine trials are required to verify the parameters. Hone Dia. RPM

19“ to 36“ 60-120 RPM
12“ to 18“ 80 to 350 RPM
8“ to 12“ 300 to 500 RPM
4“ to 8“ 400 to 600 RPM
2“ to 4“ 600 to 800 RPM
1/2“ to 2“ 700 to 900 RPM
4mm to 1/2“ 800-1200 RPM

Remember:
The Smaller the hone, the faster the speed.
The larger the hone, the slower the speed

Also availible in Diamond from 4mm (0.157“) to 20mm (0.787“)

Nylon Diamond Abrasive Deburring Brushes - Thru Hole Type



- Constructed with 800 grit diamond impregnated nylon filaments for extra cutting and cleaning action in a variety of applications
- Used for cross hole deburring, micro burr removal, internal cleaning, removal of small imperfections and surface preparation
- Specifically designed for thru-hole applications

Dia. (in./mm)	Brush Length	Shank Dia.	Order No.	Price
.032	.035	.016	**MJ73MBT032800D**	Price
.047	.052	.026	**MJ73MBT047800D**	Price
.054	.059	.026	**MJ73MBT054800D**	Price
.063	.069	.034	**MJ73MBT063800D**	Price
.079	.087	.034	**MJ73MBT079800D**	Price
.094	.103	.043	**MJ73MBT094800D**	Price
.109	.120	.055	**MJ73MBT109800D**	Price
.125	.138	.055	**MJ73MBT125800D**	Price
.142	.142	.072	**MJ73MBT142800D**	Price
.156	.172	.072	**MJ73MBT156800D**	Price
.172	.189	.083	**MJ73MBT172800D**	Price
.189	.208	.083	**MJ73MBT189800D**	Price
.219	.241	.097	**MJ73MBT219800D**	Price

Dia. (in./mm)	Brush Length	Shank Dia.	Order No.	Price
.250	.271	.110	**MJ73MBT250800D**	Price
1mm	.043	.016	**MJ73MBT1P00800D**	Price
1.5mm	.065	.026	**MJ73MBT1P50800D**	Price
2mm	.087	.034	**MJ73MBT2P00800D**	Price
2.5mm	.108	.043	**MJ73MBT2P50800D**	Price
3mm	.130	.055	**MJ73MBT3P00800D**	Price
3.5mm	.152	.055	**MJ73MBT3P50800D**	Price
4mm	.173	.072	**MJ73MBT04P0800D**	Price
4.5mm	.195	.072	**MJ73MBT4P50800D**	Price
5mm	.217	.072	**MJ73MBT5P00800D**	Price
5.5mm	.024	.110	**MJ73MBT5P50800D**	Price
6mm	.260	.110	**MJ73MBT6P00800D**	Price
6.5mm	.281	.110	**MJ73MBT6P50800D**	Price

Bottoming Type Available

Nylon Abrasive Deburring Brushes - Bottoming Type



- Constructed with abrasive filled nylon filaments for extra cutting and cleaning action in a variety of applications
- Used for cross hole deburring, micro burr removal, internal cleaning, removal of small imperfections and surface preparation
- Available abrasives include silicon carbide and aluminum oxide in grits from 80 to 800
- Specifically designed for thru-hole applications

					Aluminum Oxide		Diamond		Silicon Carbide	
Dia.	Brush Length	Grit	OAL	Shank Dia.	Order No.	Price	Order No.	Price	Order No.	Price
.125	1	120	4	.073	-	-	-	-	**MJ73MBB125120S**	Price
.125	1	180	4	.073	-	-	-	-	**MJ73MBB125180S**	Price
.125	1	320	4	.073	**MJ73MBB125320AC**	Price	-	-	**MJ73MBB125320S**	Price
.125	1	500	4	.073	**MJ73MBB125500AC**	Price	-	-	**MJ73MBB125500S**	Price
.125	1	600	4	.073	**MJ73MBB125600AO**	Price	-	-	-	-
.125	1	800	4	.073	-	-	**MJ73MBB125800D**	Price	-	-
.156	1	80	4	.097	-	-	-	-	**MJ73MBB156080S**	Price
.156	1	120	4	.097	-	-	-	-	**MJ73MBB156120S**	Price
.156	1	180	4	.097	**MJ73MBB156180AO**	Price	-	-	**MJ73MBB156180S**	Price
.156	1	320	4	.097	**MJ73MBB156320AO**	Price	-	-	**MJ73MBB156320S**	Price
.156	1	500	4	.097	**MJ73MBB156500AO**	Price	-	-	**MJ73MBB156500S**	Price
.156	1	600	4	.097	**MJ73MBB156600AO**	Price	-	-	-	-
.156	1	800	4	.097	-	-	**MJ73MBB156800D**	Price	-	-
.187	1	120	4	.097	**MJ73MBB187120AO**	Price	-	-	**MJ73MBB187120S**	Price
.187	1	180	4	.097	**MJ73MBB187180AO**	Price	-	-	**MJ73MBB187180S**	Price
.187	1	320	4	.097	**MJ73MBB187320AO**	Price	-	-	**MJ73MBB187320S**	Price
.187	1	500	4	.097	**MJ73MBB187500AO**	Price	-	-	**MJ73MBB187500S**	Price
.187	1	600	4	.097	-	-	-	-	**MJ73MBB187600S**	Price
.187	1	800	4	.097	-	-	**MJ73MBB187800D**	Price	-	-
.219	1-1/4	80	4-1/2	.112	-	-	-	-	**MJ73MBB219500S**	Price
.219	1-1/4	120	4-1/2	.112	-	-	-	-	**MJ73MBB219120S**	Price
.219	1-1/4	180	4-1/2	.112	**MJ73MBB219180AO**	Price	-	-	**MJ73MBB219180S**	Price
.219	1-1/4	320	4-1/2	.112	**MJ73MBB219320AO**	Price	-	-	**MJ73MBB219320S**	Price
.219	1-1/4	500	4-1/2	.112	**MJ73MBB219500AO**	Price	-	-	-	-
.219	1-1/4	800	4-1/2	.112	-	-	**MJ73MBB219800D**	Price	-	-
.250	1-1/4	80	4-1/2	.112	**MJ73MBB250080AO**	Price	-	-	**MJ73MBB250080S**	Price
.250	1-1/4	120	4-1/2	.112	-	-	-	-	**MJ73MBB250120S**	Price
.250	1-1/4	180	4-1/2	.112	**MJ73MBB250180AO**	Price	-	-	**MJ73MBB250180S**	Price
.250	1-1/4	320	4-1/2	.112	**MJ73MBB250320AO**	Price	-	-	**MJ73MBB250320S**	Price
.250	1-1/4	500	4-1/2	.112	**MJ73MBB250500AO**	Price	-	-	**MJ73MBB250500S**	Price
.250	1-1/4	600	4-1/2	.112	**MJ73MBB250600AO**	Price	-	-	-	-
.250	1-1/4	800	4-1/2	.112	-	-	**MJ73MBB250800D**	Price	-	-
.281	1-1/4	80	4-1/2	.125	**MJ73MBB281080AO**	Price	-	-	**MJ73MBB281080S**	Price
.281	1-1/4	120	4-1/2	.125	**MJ73MBB281120AO**	Price	-	-	**MJ73MBB281120S**	Price
.281	1-1/4	180	4-1/2	.125	**MJ73MBB281180AO**	Price	-	-	**MJ73MBB281180S**	Price
.281	1-1/4	320	4-1/2	.125	**MJ73MBB281320AO**	Price	-	-	**MJ73MBB281320S**	Price
.281	1-1/4	500	4-1/2	.125	**MJ73MBB281500AO**	Price	-	-	**MJ73MBB281500S**	Price
.281	1-1/4	600	4-1/2	.125	**MJ73MBB281600AO**	Price	-	-	-	-
.281	1-1/4	800	4-1/2	.125	-	-	**MJ73MBB281800D**	Price	-	-
.312	1-1/4	80	4-1/2	.140	-	-	-	-	**MJ73MBB312080S**	Price
.312	1-1/4	120	4-1/2	.140	-	-	-	-	**MJ73MBB312120S**	Price
.312	1-1/4	180	4-1/2	.140	**MJ73MBB312180AO**	Price	-	-	**MJ73MBB312180S**	Price
.312	1-1/4	320	4-1/2	.140	**MJ73MBB312320AO**	Price	-	-	**MJ73MBB312321S**	Price
.312	1-1/4	500	4-1/2	.140	**MJ73MBB312500AO**	Price	-	-	**MJ73MBB312500S**	Price
.312	1-1/4	600	4-1/2	.140	**MJ73MBB312600AO**	Price	-	-	-	-
.312	1-1/4	800	4-1/2	.140	-	-	**MJ73MBB312800D**	Price	-	-
.344	1-1/4	80	4-1/2	.140	-	-	-	-	**MJ73MBB344080S**	Price
.344	1-1/4	120	4-1/2	.140	-	-	-	-	**MJ73MBB344120S**	Price
.344	1-1/4	180	4-1/2	.140	**MJ73MBB344180AO**	Price	-	-	**MJ73MBB344180S**	Price
.344	1-1/4	320	4-1/2	.140	**MJ73MBB344320AO**	Price	-	-	**MJ73MBB344320S**	Price
.344	1-1/4	500	4-1/2	.140	**MJ73MBB344500AO**	Price	-	-	**MJ73MBB344501S**	Price
.344	1-1/4	600	4-1/2	.140	**MJ73MBB344600AO**	Price	-	-	-	-
.344	1-1/4	800	4-1/2	.140	-	-	**MJ73MBB344800D**	Price	-	-
.375	1-1/4	80	4-1/2	.140	**MJ73MBB375080AO**	Price	-	-	**MJ73MBB375080S**	Price
.375	1-1/4	120	4-1/2	.140	**MJ73MBB375120AO**	Price	-	-	**MJ73MBB375120S**	Price
.375	1-1/4	180	4-1/2	.140	**MJ73MBB375180AO**	Price	-	-	**MJ73MBB375180S**	Price
.375	1-1/4	320	4-1/2	.140	**MJ73MBB375320AO**	Price	-	-	**MJ73MBB375320S**	Price
.375	1-1/4	500	4-1/2	.140	**MJ73MBB375500AO**	Price	-	-	**MJ73MBB375500S**	Price
.375	1-1/4	600	4-1/2	.140	**MJ73MBB375600AO**	Price	-	-	-	-
.375	1-1/4	800	4-1/2	.140	-	-	**MJ73MBB375800D**	Price	-	-
.437	1-1/4	800	4-1/2	.140	-	-	**MJ73MBB437800D**	Price	-	-
.469	1-1/4	800	4-1/2	.140	-	-	**MJ73MBB469800D**	Price	-	-
.500	1-1/4	800	4-1/2	.140	-	-	**MJ73MBB500800D**	Price	-	-

Nylon Abrasive Deburring Brushes - Thru Hole Type



- Constructed with abrasive filled nylon filaments for extra cutting and cleaning action in a variety of applications
- Used for cross hole deburring, micro burr removal, internal cleaning, removal of small imperfections and surface preparation
- Available abrasives include silicon carbide, aluminum oxide in grits from 80 to 600, silicate and stainless steel wire
- Specifically designed for thru-hole applications
- 3” Overall length

Material - Aluminum Oxide					
Dia. (in./mm)	Brush Length	Shank Dia.	Grit	Order No.	Price
.032	1/4	.016	600	**MJ73MBC032600AO**	Price
.047	3/4	.026	500	**MJ73MBC047500AO**	Price
.047	3/4	.026	600	**MJ73MBC047600AO**	Price
.054	3/4	.026	500	**MJ73MBC054500AO**	Price
.054	3/4	.028	600	**MJ73MBC054600AO**	Price
.063	3/4	.034	320	**MJ73MBC063320AO**	Price
.063	3/4	.034	500	**MJ73MBC063500AO**	Price
.063	3/4	.034	600	**MJ73MBC063600AO**	Price
.079	3/4	.034	320	**MJ73MBC079320AO**	Price
.079	3/4	.034	500	**MJ73MBC079500AO**	Price
.079	3/4	.034	600	**MJ73MBC079600AO**	Price
.094	3/4	.043	320	**MJ73MBC094320AO**	Price
.094	3/4	.043	500	**MJ73MBC094500AO**	Price
.094	3/4	.043	600	**MJ73MBC094600AO**	Price
.109	3/4	.055	180	**MJ73MBC109180AO**	Price
.109	3/4	.055	320	**MJ73MBC109320AO**	Price
.109	3/4	.055	500	**MJ73MBC109500AO**	Price
.109	3/4	.055	600	**MJ73MBC109600AO**	Price
.125	1	.055	180	**MJ73MBC125180AO**	Price
.125	1	.055	320	**MJ73MBC125320AO**	Price
.125	1	.055	500	**MJ73MBC125500AO**	Price
.125	1	.055	600	**MJ73MBC125600AO**	Price
.142	1	.072	180	**MJ73MBC142180AO**	Price
.142	1	.072	320	**MJ73MBC142320AO**	Price
.142	1	.072	500	**MJ73MBC142500AO**	Price
.142	1	.072	600	**MJ73MBC142600AO**	Price
.156	1	.072	180	**MJ73MBC156180AO**	Price
.156	1	.072	320	**MJ73MBC156320AO**	Price
.156	1	.072	500	**MJ73MBC156500AO**	Price
.156	1	.072	600	**MJ73MBC156600AO**	Price
.172	1	.083	180	**MJ73MBC172180AO**	Price
.172	1	.083	320	**MJ73MBC172320AO**	Price
.172	1	.083	500	**MJ73MBC172500AO**	Price
.172	1	.083	600	**MJ73MBC172600AO**	Price
.189	1	.083	120	**MJ73MBC189120AO**	Price
.189	1	.083	180	**MJ73MBC189180AO**	Price
.189	1	.083	320	**MJ73MBC189320AO**	Price
.189	1	.083	500	**MJ73MBC189500AO**	Price
.189	1	.083	600	**MJ73MBC189600AO**	Price
.189	1	.083	80	**MJ73MBC189080AO**	Price
7/32	1-1/2	.097	120	**MJ73MBC218120AO**	Price
7/32	1-1/2	.097	180	**MJ73MBC218180AO**	Price
7/32	1-1/2	.097	320	**MJ73MBC218320AO**	Price
7/32	1-1/2	.097	500	**MJ73MBC218500AO**	Price
7/32	1-1/2	.097	600	**MJ73MBC218600AO**	Price
7/32	1-1/2	.097	80	**MJ73MBC218080AO**	Price
1/4	1-1/2	.097	120	**MJ73MBC250120AO**	Price
1/4	1-1/2	.097	180	**MJ73MBC250180AO**	Price
1/4	1-1/2	.097	320	**MJ73MBC250320AO**	Price
1/4	1-1/2	.097	500	**MJ73MBC250500AO**	Price
1/4	1-1/2	.097	600	**MJ73MBC250600AO**	Price
1/4	1-1/2	.097	80	**MJ73MBC250080AO**	Price
5/16	1-1/2	.125	120	**MJ73MBC312120AO**	Price
5/16	1-1/2	.125	180	**MJ73MBC312180AO**	Price
5/16	1-1/2	.125	320	**MJ73MBC312320AO**	Price
5/16	1-1/2	.125	500	**MJ73MBC312500AO**	Price
5/16	1-1/2	.125	600	**MJ73MBC312600AO**	Price
5/16	1-1/2	.125	80	**MJ73MBC312080AO**	Price
3/8	1-1/2	.140	120	**MJ73MBC375120AO**	Price
3/8	1-1/2	.140	180	**MJ73MBC375180AO**	Price
3/8	1-1/2	.140	320	**MJ73MBC375320AO**	Price
3/8	1-1/2	.140	500	**MJ73MBC375500AO**	Price
3/8	1-1/2	.140	600	**MJ73MBC375600AO**	Price
3/8	1-1/2	.140	80	**MJ73MBC375080AO**	Price
7/16	1-1/2	.140	120	**MJ73MBC437120AO**	Price
7/16	1-1/2	.140	180	**MJ73MBC437180AO**	Price
7/16	1-1/2	.140	320	**MJ73MBC437320AO**	Price
7/16	1-1/2	.140	500	**MJ73MBC437500AO**	Price
7/16	1-1/2	.140	600	**MJ73MBC437600AO**	Price
7/16	1-1/2	.140	80	**MJ73MBC437080AO**	Price
1/2	1-1/2	.168	120	**MJ73MBC500120AO**	Price
1/2	1-1/2	.168	180	**MJ73MBC500180AO**	Price

Material - Aluminum Oxide					
Dia. (in./mm)	Brush Length	Shank Dia.	Grit	Order No.	Price
1/2	1-1/2	.168	320	**MJ73MBC500320AO**	Price
1/2	1-1/2	.168	500	**MJ73MBC500500AO**	Price
1/2	1-1/2	.168	600	**MJ73MBC500600AO**	Price
1/2	1-1/2	.168	80	**MJ73MBC500080AO**	Price

Material - Silicate					
Dia. (in./mm)	Brush Length	Shank Dia.	Grit	Order No.	Price
.032	1/4	.016	Silicate	**MJ73MBC032SILIC**	Price
.047	3/4	.026	Silicate	**MJ73MBC047SILIC**	Price
.054	3/4	.026	Silicate	**MJ73MBC054SILIC**	Price
.063	3/4	.034	Silicate	**MJ73MBC063SILIC**	Price
.079	3/4	.034	Silicate	**MJ73MBC079SILIC**	Price
.094	3/4	.043	Silicate	**MJ73MBC094SILIC**	Price
.109	3/4	.055	Silicate	**MJ73MBC109SILIC**	Price
.125	1	.055	Silicate	**MJ73MBC125SILIC**	Price
.156	1	.072	Silicate	**MJ73MBC156SILIC**	Price
1mm	5/8	.016	Silicate	**MJ73MBC1P0SILIC**	Price
1.5mm	5/8	.026	Silicate	**MJ73MBC1P5SILIC**	Price
2mm	3/4	.034	Silicate	**MJ73MBC2P0SILIC**	Price
2.5mm	3/4	.043	Silicate	**MJ73MBC2P5SILIC**	Price
3mm	1	.055	Silicate	**MJ73MBC3P0SILIC**	Price
4mm	1	.072	Silicate	**MJ73MBC4P0SILIC**	Price

Material - Silicon Carbide					
Dia. (in./mm)	Brush Length	Shank Dia.	Grit	Order No.	Price
.047	3/4	.026	500	**MJ73MBC047500S**	Price
.054	3/4	.026	500	**MJ73MBC054500S**	Price
.063	3/4	.034	320	**MJ73MBC063320S**	Price
.063	3/4	.034	500	**MJ73MBC063500S**	Price
.079	3/4	.034	320	**MJ73MBC079320S**	Price
.079	3/4	.034	500	**MJ73MBC079500S**	Price
.094	3/4	.043	320	**MJ73MBC094320S**	Price
.094	3/4	.043	500	**MJ73MBC094500S**	Price
.109	3/4	.055	180	**MJ73MBC109180S**	Price
.109	3/4	.055	320	**MJ73MBC109320S**	Price
.109	3/4	.055	500	**MJ73MBC109500S**	Price
.125	1	.055	180	**MJ73MBC125180S**	Price
.125	1	.055	320	**MJ73MBC125320S**	Price
.125	1	.055	500	**MJ73MBC125500S**	Price
.142	1	.072	180	**MJ73MBC142180S**	Price
.142	1	.072	320	**MJ73MBC142320S**	Price
.142	1	.072	500	**MJ73MBC142500S**	Price
.156	1	.072	180	**MJ73MBC156180S**	Price
.156	1	.072	320	**MJ73MBC156320S**	Price
.156	1	.072	500	**MJ73MBC156500S**	Price
.172	1	.083	180	**MJ73MBC172180S**	Price
.172	1	.083	320	**MJ73MBC172320S**	Price
.172	1	.083	500	**MJ73MBC172500S**	Price
.189	1	.083	120	**MJ73MBC189120S**	Price
.189	1	.083	180	**MJ73MBC189180S**	Price
.189	1	.083	320	**MJ73MBC189320S**	Price
.189	1	.083	500	**MJ73MBC189500S**	Price
.189	1	.083	80	**MJ73MBC189080S**	Price
7/32	1-1/2	.097	120	**MJ73MBC218120S**	Price
7/32	1-1/2	.097	180	**MJ73MBC218180S**	Price
7/32	1-1/2	.097	320	**MJ73MBC218320S**	Price
7/32	1-1/2	.097	500	**MJ73MBC218500S**	Price
7/32	1-1/2	.097	80	**MJ73MBC218080S**	Price
1/4	1-1/2	.097	120	**MJ73MBC250120S**	Price
1/4	1-1/2	.097	180	**MJ73MBC250180S**	Price
1/4	1-1/2	.097	320	**MJ73MBC250320S**	Price
1/4	1-1/2	.097	500	**MJ73MBC250500S**	Price
1/4	1-1/2	.097	80	**MJ73MBC250080S**	Price
5/16	1-1/2	.125	120	**MJ73MBC312120S**	Price
5/16	1-1/2	.125	180	**MJ73MBC312180S**	Price
5/16	1-1/2	.125	320	**MJ73MBC312320S**	Price
5/16	1-1/2	.125	500	**MJ73MBC312500S**	Price
5/16	1-1/2	.125	80	**MJ73MBC312080S**	Price
3/8	1-1/2	.140	120	**MJ73MBC375120S**	Price
3/8	1-1/2	.140	180	**MJ73MBC375180S**	Price
3/8	1-1/2	.140	320	**MJ73MBC375320S**	Price
3/8	1-1/2	.140	500	**MJ73MBC375500S**	Price
3/8	1-1/2	.140	80	**MJ73MBC375080S**	Price

Nylon Abrasive Deburring Brushes - Thru Hole Type (cont.)

Material - Silicon Carbide					
Dia. (in./mm)	Brush Length	Shank Dia.	Grit	Order No.	Price
7/16	1-1/2	.140	120	**MJ73MBC437120S**	Price
7/16	1-1/2	.140	180	**MJ73MBC437180S**	Price
7/16	1-1/2	.140	320	**MJ73MBC437320S**	Price
7/16	1-1/2	.140	500	**MJ73MBC437500S**	Price
7/16	1-1/2	.140	80	**MJ73MBC437080S**	Price
1/2	1-1/2	.168	120	**MJ73MBC500120S**	Price
1/2	1-1/2	.168	180	**MJ73MBC500180S**	Price
1/2	1-1/2	.168	320	**MJ73MBC500320S**	Price
1/2	1-1/2	.168	500	**MJ73MBC500500S**	Price
1/2	1-1/2	.168	80	**MJ73MBC500080S**	Price
1.5mm	5/8	.026	500	**MJ73MBC1P5500S**	Price
2mm	3/4	.034	320	**MJ73MBC2P0320S**	Price
2mm	3/4	.034	500	**MJ73MBC2P0500S**	Price
2.5mm	3/4	.043	320	**MJ73MBC2P5320S**	Price
2.5mm	3/4	.043	500	**MJ73MBC2P5500S**	Price
3mm	1	.055	180	**MJ73MBC3P0180S**	Price
3mm	1	.055	320	**MJ73MBC3P0320S**	Price
3mm	1	.055	500	**MJ73MBC3P0500S**	Price
3.5mm	1	.055	180	**MJ73MBC3P5180S**	Price
3.5mm	1	.055	320	**MJ73MBC3P5320S**	Price
3.5mm	1	.055	500	**MJ73MBC3P5500S**	Price
4mm	1	.072	180	**MJ73MBC4P0180S**	Price
4mm	1	.072	320	**MJ73MBC4P0320S**	Price
4mm	1	.072	500	**MJ73MBC4P0500S**	Price
4.5mm	1	.072	120	**MJ73MBC4P5120S**	Price
4.5mm	1	.072	180	**MJ73MBC4P5180S**	Price
4.5mm	1	.072	320	**MJ73MBC4P5320S**	Price
4.5mm	1	.072	500	**MJ73MBC4P5500S**	Price
4.5mm	1	.072	80	**MJ73MBC4P5080S**	Price
5mm	1	.072	120	**MJ73MBC5P0120S**	Price
5mm	1	.072	180	**MJ73MBC5P0180S**	Price
5mm	1	.072	320	**MJ73MBC5P0320S**	Price
5mm	1	.072	500	**MJ73MBC5P0500S**	Price
5mm	1	.072	80	**MJ73MBC5P0080S**	Price
5.5mm	1	.110	120	**MJ73MBC5P5120S**	Price
5.5mm	1	.110	180	**MJ73MBC5P5180S**	Price
5.5mm	1	.110	320	**MJ73MBC5P5320S**	Price
5.5mm	1	.110	500	**MJ73MBC5P5500S**	Price
5.5mm	1	.110	80	**MJ73MBC5P5080S**	Price
6mm	1	.110	120	**MJ73MBC6P0120S**	Price
6mm	1	.110	180	**MJ73MBC6P0180S**	Price

Material - Silicon Carbide					
Dia. (in./mm)	Brush Length	Shank Dia.	Grit	Order No.	Price
6mm	1	.110	320	**MJ73MBC6P0320S**	Price
6mm	1	.110	500	**MJ73MBC6P0500S**	Price
6mm	1	.110	80	**MJ73MBC6P0080S**	Price
6.5mm	1	.110	120	**MJ73MBC6P5120S**	Price
6.5mm	1	.110	180	**MJ73MBC6P5180S**	Price
6.5mm	1	.110	320	**MJ73MBC6P5320S**	Price
6.5mm	1	.110	500	**MJ73MBC6P5500S**	Price
6.5mm	1	.110	80	**MJ73MBC6P5080S**	Price

Material - Stainless Wire					
Dia. (in./mm)	Brush Length	Shank Dia.	Grit	Order No.	Price
.024	1/4	.015	.003SS	**MJ73MBC024003S**	Price
.032	1/4	.016	.002SS	**MJ73MBC032002S**	Price
.047	3/4	.026	.002SS	**MJ73MBC047002S**	Price
.054	3/4	.026	.002SS	**MJ73MBC054002S**	Price
.063	3/4	.034	.003SS	**MJ73MBC063003S**	Price
.079	3/4	.034	.003SS	**MJ73MBC079003S**	Price
.094	3/4	.043	.003SS	**MJ73MBC094003S**	Price
.109	3/4	.055	.003SS	**MJ73MBC109003S**	Price
.125	1	.055	.003SS	**MJ73MBC125003S**	Price
.142	1	.072	.003SS	**MJ73MBC142003S**	Price
.156	1	.072	.003SS	**MJ73MBC156003S**	Price
.172	1	.083	.003SS	**MJ73MBC172003S**	Price
.189	1	.083	.003SS	**MJ73MBC189003S**	Price
7/32	1-1/2	.097	.003SS	**MJ73MBC218003S**	Price
1/4	1-1/2	.097	.003SS	**MJ73MBC250003S**	Price
5/16	1-1/2	.125	.004SS	**MJ73MBC312004S**	Price
3/8	1-1/2	.140	.004SS	**MJ73MBC375004S**	Price
7/16	1-1/2	.140	.004SS	**MJ73MBC437004S**	Price
1/2	1-1/2	.168	.005SS	**MJ73MBC500005S**	Price
1mm	5/8	.016	.002SS	**MJ73MBC1P00002S**	Price
1.5mm	5/8	.026	.002SS	**MJ73MBC1P50003S**	Price
2mm	3/4	.034	.003SS	**MJ73MBC2P00003S**	Price
2.5mm	3/4	.043	.003SS	**MJ73MBC2P50003S**	Price
3mm	1	.055	.003SS	**MJ73MBC3P00003S**	Price
3.5mm	1	.055	.003SS	**MJ73MBC3P50003S**	Price
4mm	1	.072	.003SS	**MJ73MBC04P0003S**	Price
4.5mm	1	.072	.003SS	**MJ73MBC4P50003S**	Price
5mm	1	.072	.003SS	**MJ73MBC5P00003S**	Price
5.5mm	1	.110	.003SS	**MJ73MBC5P50003S**	Price
6mm	1	.110	.003SS	**MJ73MBC6P00003S**	Price
6.5mm	1	.110	.003SS	**MJ73MBC6P50003S**	Price

Metric sizes and other material types available - call for pricing

SURF PRO® Radial & Cup Wire Wheels

- Easily reaches into narrow or recessed areas for quick material removal
- For scale removal, deburring, weld cleaning and flat surfaces
- For general use including cleaning and rust removal





Type - Cup Brush						
Size (in.)	Wire Size (in.)	Style	RPM	Material	Order No.	Price
2-3/4 x 5/8-11	.014	Crimped	12,500	Carbon Steel	**SP25CB2345114CC**	Price
2-3/4 x 5/8-11	.014	Knot	12,500	Carbon Steel	**SP25CB2345114CK**	Price
2-3/4 x 5/8-11	.020	Knot	12,500	Carbon Steel	**SP25CB2345120CK**	Price
4 x 5/8-11	.020	Knot	8,500	Carbon Steel	**SP25CB4005120CK**	Price

Type - Knotted Wheel						
Size (in.)	Wire Size (in.)	Style	RPM	Material	Order No.	Price
4 x 5/8-11	.014	Radial	20,000	Carbon Steel	**SP25RK401451CCR**	Price
4 x 5/8-11	.020	Standard	20,000	Carbon Steel	**SP25RK402051CCT**	Price
4 x 5/8-11	.020	Standard	20,000	Carbon Steel	**SP25RK402051CST**	Price
4 x 5/8-11	.020	Standard	20,000	Stainless Steel	**SP25RK402051SCT**	Price
4 x 5/8-11	.020	Standard	20,000	Stainless Steel	**SP25RK402051SST**	Price
4 x 5/8-11	.020	Stringer Bead	20,000	Carbons Steel	**SP25RK402051CSB**	Price
4 x 5/8-11	.020	Stringer Bead	20,000	Stainless Steel	**SP25RK402051SSB**	Price
6 x 5/8-11	.020	Stringer Bead	12,000	Carbon Steel	**SP25RK602051CSB**	Price

SURF PRO® Stem Mount End Brushes & Wheels

- Carbon steel wire
- Uniform brush design for use on drill presses or offhand for internal and external cleaning and deburring
- Can be used at higher brushing speeds
- For general use including blending, cleaning and polishing



Dia. (in.)	Shank Dia. (in.)	Wire Size (in.)	Material	RPM	Order No.	Price
3/4	1/4	.014	Carbon Steel	20,000	**SP25EB3406S14CK**	Price
3/4	1/4	.010	Carbon Steel	22,000	**SP25EB3410S14SC**	Price
1	1/4	.006	Carbon Steel	22,000	**SP25EB1006S14CK**	Price
1	1/4	.020	Carbon Steel	20,000	**SP25EB1020S14CK**	Price
2	1/4	.014	Carbon Steel	25,000	**SP25CW2014S14C**	Price
3	1/4	.014	Carbon Steel	25,000	**SP25CW3014S14C**	Price

WEILER Double Stem, Double Spiral Power Tube Brushes



- Most effectively used with power tools, drills and drill presses for heavy duty cleaning and deburring
- Some sizes availabe in stainless steel – P.O.A.

Dia. (in.)	Wire Size (in.)	Brush Length (in.)	Shank Dia. (in.)	OAL (in.)	Order No.	Price
3/8	.003	2	1/8	6	**MK5521342**	Price
3/8	.006	2	5/32	6	**MK5521232**	Price
1/2	.004	2	5/32	5	**MK5521106**	Price
1/2	.006	2	5/32	5	**MK5521107**	Price
5/8	.005	2	7/32	5	**MK5521108**	Price
5/8	.008	2	7/32	5	**MK5521109**	Price
3/4	.006	2-1/2	1/4	5-1/2	**MK5521110**	Price
3/4	.008	2-1/2	1/4	5-1/2	**MK5521247**	Price
7/8	.006	2-1/2	1/4	5-1/2	**MK5521112**	Price
7/8	.008	1	7/32	3-1/2	**MK5521267**	Price
7/8	.0104	2-1/2	1/4	5-1/2	**MK5521113**	Price
1	.006	2-1/2	1/4	5-1/2	**MK5521114**	Price
1	.0104	2-1/2	1/4	5-1/2	**MK5521115**	Price
1-1/4	.006	2-1/2	1/4	5-1/2	**MK5521164**	Price

Some sizes availabe in stainless steel – P.O.A.

WEILER High Tensile Steel Single Stem Wire Tube Brushes



- Loop handle
- Some sizes available in stainless steel – P.O.A.

Dia. (in.)	Wire Size (in.)	Brush Length (in.)	Shank Dia. (in.)	OAL (in.)	Order No.	Price
1/8	.003	1	3/32	6	**MK5521246**	Price
3/16	.003	1-1/2	3/32	7	**MK5521090**	Price
3/16	.005	1-1/2	3/32	7	**MK5521091**	Price
1/4	.003	1-1/2	3/32	7	**MK5521092**	Price
1/4	.005	1-1/2	3/32	7	**MK5521093**	Price
3/8	.004	2	1/8	8	**MK5521094**	Price
3/8	.006	2	1/8	8	**MK5521095**	Price
1/2	.004	2	1/8	8	**MK5521096**	Price
1/2	.006	2	1/8	8	**MK5521097**	Price
1/2	.008	2	1/8	8	**MK5521162**	Price
9/16	.005	2-1/2	5/32	9	**MK5521233**	Price

Some sizes available in stainless steel – P.O.A.

WEILER Round Type Power Tube Brushes

- Most effectively used fully chucked on smooth or threaded blind holes



					Stainless		Steel Wire	
Dia. (in.)	Wire Size (in.)	Brush Length (in.)	Shank Dia. (in.)	OAL (in.)	Order No.	Price	Order No.	Price
1/4	.004	1	1/8	3-1/2	**MK5521081**	Price	**MK5521072**	Price
5/16	.005	1	1/8	3-1/2	-	-	**MK5521175**	Price
3/8	.004	1	1/8	3-1/2	**MK5521082**	Price	**MK5521073**	Price
3/8	.006	1	1/8	3-1/2	-	-	**MK5521282**	Price
3/8	.008	1	1/8	3-1/2	-	-	**MK5521264**	Price
7/16	.005	1	1/8	3-1/2	-	-	**MK5521142**	Price
1/2	.005	1	3/16	3-1/2	**MK5521083**	Price	**MK5521074**	Price
9/16	.005	1	3/16	3-1/2	-	-	**MK5521143**	Price
5/8	.005	1	3/16	3-1/2	**MK5521084**	Price	**MK5521075**	Price
5/8	.008	1	3/16	3-1/2	-	-	**MK5521265**	Price
11/16	.005	1	3/16	3-1/2	-	-	**MK5521144**	Price
3/4	.006	1	7/32	3-1/2	**MK5521085**	Price	**MK5521076**	Price
3/4	.008	1	7/32	3-1/2	-	-	**MK5521266**	Price
13/16	.005	1	7/32	3-1/2	-	-	**MK5521146**	Price
7/8	.006	1	7/32	3-1/2	**MK5521086**	Price	**MK5521077**	Price
7/8	.008	1	7/32	3-1/2	-	-	**MK5521267**	Price
15/16	.005	1	7/32	3-1/2	-	-	**MK5521148**	Price
1	.005	1	1/4	3-1/2	-	-	**MK5521149**	Price
1	.008	1	1/4	3-1/2	**MK5521087**	Price	**MK5521078**	Price
1-1/2	.008	1	1/4	3-1/2	-	-	**MK5521203**	Price
1-1/4	.008	1	1/4	3-1/2	-	-	**MK5521080**	Price
1-1/8	.005	1	1/4	3-1/2	-	-	**MK5521150**	Price
1-1/8	.008	1	1/4	3-1/2	-	-	**MK5521079**	Price
2-1/4	.008	1	1/4	3-1/2	-	-	**MK5521322**	Price

WEILER Nylon Tube Brushes

- Black nylon fill
- Loop handle



Dia. (in.)	Fill Dia. (in.)	Brush Length (in.)	OAL (in.)	Order No.	Price
1/4	.005	2	6-1/4	**MK5544110**	Price
3/8	.005	2	6-1/4	**MK5544213**	Price
1/2	.010	3	8-1/2	**MK5544111**	Price
3/4	.012	3	8-1/2	**MK5544112**	Price
1	.014	4	12-1/4	**MK5544113**	Price
2	.014	5	16-3/4	**MK5544115**	Price
1-1/4	.014	4	13	**MK5544114**	Price

WEILER Miniature Brushes

For use with Electronic Miniature Instruments
High RPM Electric and Pneumatic Tools

- Light deburring
- Blending of surface junctures
- Wide usage in tool and die work



Brush Material - Brass Wire							
Dia. (in.)	Wire Size (in.)	Shank Dia. (in.)	Trim Length (in.)	RPM	Type	Order No.	Price
5/8	.005	1/8	1/4	37,000	Cup Brush	**MK5526075**	Price

Brush Material - Soft Hair							
Dia. (in.)	Wire Size (in.)	Shank Dia. (in.)	Trim Length (in.)	RPM	Type	Order No.	Price
9/16	-	1/8	1/4	37,000	Cup Brush	**MK5526094**	Price
3/4	-	3/32	3/16	37,000	Wheel	**MK5526042**	Price

Brush Material - Stainless							
Dia. (in.)	Wire Size (in.)	Shank Dia. (in.)	Trim Length (in.)	RPM	Type	Order No.	Price
5/8	.005	1/8	1/4	37,000	Cup Brush	**MK5526076**	Price

Brush Material - Steel Wire							
Dia. (in.)	Wire Size (in.)	Shank Dia. (in.)	Trim Length (in.)	RPM	Type	Order No.	Price
3/16	.003	1/8	1/4	37,000	End Brush	**MK5526098**	Price
1/4	.005	1/8	7/16	37,000	End Brush	**MK5526107**	Price
5/16	.005	1/8	9/16	25,000	End Brush	**MK5526113**	Price
5/8	.005	1/8	1/4	37,000	Cup Brush	**MK5526074**	Price
3/4	.003	1/8	3/16	37,000	Wheel	**MK5526000**	Price
3/4	.005	1/8	3/16	37,000	Wheel	**MK5526003**	Price
1	.005	1/8	5/16	37,000	Wheel	**MK5526015**	Price
1-1/4	.005	1/8	3/8	37,000	Wheel	**MK5526021**	Price

Brush Material - Stiff Hair							
Dia. (in.)	Wire Size (in.)	Shank Dia. (in.)	Trim Length (in.)	RPM	Type	Order No.	Price
3/16	-	1/8	1/4	37,000	End Brush	**MK5526115**	Price
3/16	-	1/8	1/4	37,000	End Brush	**MK5526128†**	Price
1/4	-	1/8	3/8	37,000	End Brush	**MK5526119**	Price
1/4	-	1/8	3/8	37,000	End Brush	**MK5526131†**	Price
5/16	-	1/8	9/16	25,000	End Brush	**MK5526133†**	Price
5/16	-	1/8	9/16	37,000	End Brush	**MK5526121**	Price
9/16	-	1/8	1/4	37,000	Cup Brush	**MK5526093**	Price
3/4	-	1/8	3/16	37,000	Wheel	**MK5526059**	Price
3/4	-	3/32	3/16	37,000	Wheel	**MK5526041**	Price

Scuf-Gard® End Brushes

Stainless Steel Wire



- Made with a rugged, durable elastomer layer on the cup to help prevent accidental scratches or marring on the work surface during operation

Brush Dia. (in.)	Brush Length (in.)	OAL (in.)	Wire Size	Order No.	Price
1/2	1-1/8	2-3/4	.006SV	**MK6030026**	Price
1/2	1-1/8	2-3/4	.0104SV	**MK6030028**	Price
1/2	1-1/8	2-3/4	.014SV	**MK6030029**	Price
3/4	1-1/8	2-3/4	.006SV	**MK6030032**	Price
3/4	1-1/8	2-3/4	.0104SV	**MK6030034**	Price
3/4	1-1/8	2-3/4	.014SV	**MK6030035**	Price
1	1	2-5/8	.006SV	**MK6030038**	Price
1	1	2-5/8	.0104SV	**MK6030040**	Price
1	1	2-5/8	.014SV	**MK6030041**	Price

***SV denotes Stainless Steel**

Circular End Brushes



- Made in four brush diameters, in both steel and stainless steel wire

Brush Dia. (in.)	O.D. Shank (in.)	Wire Size (in.)	Order No.	Price
1-1/2	1/4	.020	**MK6030255**	Price
1-1/4	1/4	.005	**MK6030250**	Price
1-1/4	1/4	.006	**MK6030251**	Price
2	1/4	.010	**MK6030276**	Price
2	1/4	.010SV	**MK6030277**	Price
3	1/4	.005SV	**MK6030278**	Price
3	1/4	.006	**MK6030279**	Price
3	1/4	.010SV	**MK6030280**	Price
3	1/4	.020	**MK6030258**	Price

***SV denotes Stainless Steel**

Ruftuf® End Brushes

- Rugged, knot-type brushing tools
- Excellent for cleaning pipe ID, and removing rust, weld scale and spatter from external surfaces

Applications:



- Rubber and plastic mold cleaning
- Removing rust and paint
- Weld cleaning
- Cleaning castings
- Burr removal
- Removing rubber flash
- ID pipe cleaning
- Cleaning and finishing recessed areas
- Carbon removal
- Spot facing

Brush Dia. (in.)	Brush Length (in.)	OAL (in.)	Wire Size (in.)	Order No.	Price
1/2	1-1/8	2-3/4	.006	**MK6030002**	Price
1/2	1-1/8	2-3/4	.0104	**MK6030004**	Price
1/2	1-1/8	2-3/4	.014	**MK6030005**	Price
3/4	1-1/8	2-3/4	.006	**MK6030008**	Price
3/4	1-1/8	2-3/4	.0104	**MK6030010**	Price
3/4	1-1/8	2-3/4	.014	**MK6030011**	Price
3/4	1-1/8	2-3/4	.020	**MK6030012**	Price
1	1	2-3/4	.006	**MK6030014**	Price
1	1	2-3/4	.0104	**MK6030016**	Price
1	1	2-3/4	.014	**MK6030017**	Price
1	1	2-3/4	.020	**MK6030018**	Price

General Purpose End Brushes



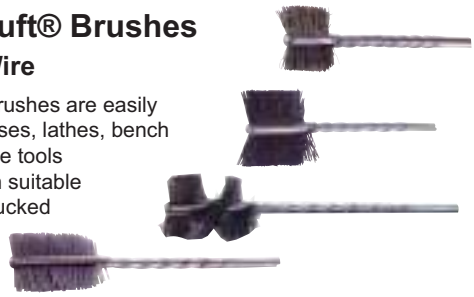
- Ideal for a variety of general uses, including surface blending, cleaning and polishing
- Can be used on CNC equipment
- Available with 3 types of wire - steel, stainless steel and brass
- Engineered to operate at high speeds

Brush Dia. (in.)	Brush Length (in.)	OAL (in.)	Wire Size (in.)	Order No.	Price
1/2	1	2-3/4	.006	**MK6030051†**	Price
1/2	1	2-3/4	.0104	**MK6030053**	Price
1/2	1	2-3/4	.020	**MK6030055**	Price
3/4	1	2-3/4	.006	**MK6030057**	Price
3/4	1	2-3/4	.0104	**MK6030059†**	Price
3/4	1	2-3/4	.020	**MK6030061**	Price
1	1	2-7/8	.006	**MK6030063†**	Price
1	1	2-7/8	.0104	**MK6030065†**	Price
1	1	2-7/8	.020	**MK6030067**	Price

†Also Available in Stainless Steel

Situft® Brushes

Crimped Steel Wire



- These side-action brushes are easily adapted to drill presses, lathes, bench grinders and portable tools
- Should be used with suitable holders and fully chucked

Brush Dia. (in.)	Brush Length (in.)	Stem Dia. (in.)	OAL (in.)	Wire Size (in.)	Order No.	Price
1/4	9/16	3/32	2-1/8	.004	**MK6035022**	Price
1/4	9/16	3/32	2-1/8	.005	**MK6035023**	Price
5/16	9/16	3/32	2-1/8	.005	**MK6035032**	Price
3/8	9/16	3/32	2-1/8	.008	**MK6035043**	Price
1/2	5/8	1/8	2-1/4	.005	**MK6035077**	Price
1/2	9/16	3/32	2-1/8	.005	**MK6035062**	Price
1/2	9/16	3/32	2-1/8	.008	**MK6035063**	Price
9/16	5/8	1/8	2-1/4	.005	**MK6035082**	Price
5/8	5/8	1/8	2-1/4	.005	**MK6035087**	Price
3/4	5/8	1/8	2-1/4	.005	**MK6035097**	Price
1	5/8	1/8	2-1/4	.005	**MK6035117**	Price
1-1/4	5/8	1/8	2-1/4	.005	**MK6035137**	Price
1-1/8	5/8	1/8	2-1/4	.005	**MK6035127**	Price

Helituf® Crimped Wire Internal Brushes



- Heavily filled, rugged brushing tools suitable for use by hand or in power tools
- Used only with suitable holders and fully chucked

Brush Working Dia. (in.)	Wire Size (in.)	Brush Length (in.)	Stem Dia. (in.)	OAL (in.)	Order No.	Price
1/4	.005	1	1/8	3-1/2	**MK6036012**	Price
3/8	.005	1	1/8	3-1/2	**MK6036022**	Price
3/8	.008	1	1/8	3-1/2	**MK6036023**	Price
1/2	.005	1	1/8	3-1/2	**MK6036032**	Price
1/2	.008	1	1/8	3-1/2	**MK6036033**	Price
9/16	.005	1	1/8	3-1/2	**MK6036037**	Price
5/8	.005	1	1/8	3-1/2	**MK6036042**	Price
5/8	.008	1	1/8	3-1/2	**MK6036043**	Price
11/16	.005	1	1/8	3-1/2	**MK6036047**	Price
3/4	.005	1	1/8	3-1/2	**MK6036052**	Price
3/4	.008	1	1/8	3-1/2	**MK6036053**	Price
13/16	.005	1	1/8	3-1/2	**MK6036057**	Price
7/8	.005	1	1/8	3-1/2	**MK6036062**	Price
7/8	.008	1	1/8	3-1/2	**MK6036063**	Price
1	.005	1	1/8	3-1/2	**MK6036072**	Price
1-1/4	.008	1	1/8	3-1/2	**MK6036093**	Price
1-1/8	.005	1	1/8	3-1/2	**MK6036082**	Price

General Purpose Crimped Wire Wheel Brushes



					.008		.0118	
Dia. (in.)	Face Width (in.)	Trim Length (in.)	Max. RPM	Arbor Hole (in.)	Order No.	Price	Order No.	Price
3	3/8	5/8	4,500	1/2-3/8	**MK5036477**	Price	**MK5036478**	Price
4	7/16	7/8	4,500	1/2-3/8	-	-	**MK5036480**	Price
6	5/8	1-1/4	3,750	5/8-1/2	**MK5036483**	Price	**MK5036484**	Price
8	3/4	1-1/2	3,750	5/8	**MK5036486**	Price	**MK5036487**	Price

WEILER Conflex Brushes

Narrow Face Crimped Wire Wheels



- Small diameter copper center wheels mounted onto a 1/4" stem

Material - Crimped Stainless						
Dia. (in.)	Wire Size (in.)	Trim Length (in.)	Face Width (in.)	Max. Safe Free Speed (RPM)	Order No.	Price
2	.0118	1/2	3/8	20,000	**MK5117611**	Price
3	.014	3/8	3/8	20,000	**MK5117618**	Price

Material - Crimped Steel Wire						
Dia. (in.)	Wire Size (in.)	Trim Length (in.)	Face Width (in.)	Max. Safe Free Speed (RPM)	Order No.	Price
2	.006	1/2	3/8	20,000	**MK5117609**	Price
2	.0118	1/2	3/8	20,000	**MK5117610**	Price
3	.008	1/2	1/2	20,000	**MK5117615**	Price
3	.0118	1/2	1/2	20,000	**MK5117616**	Price
3	.014	1/2	1/2	20,000	**MK5117617**	Price

General Purpose Crimped Wire Cup Brushes

1/4" Stem

- For use on portable drills

Brush Dia. (in.)	Wire Size (in.)	Order No.	Price
1-3/4	.008	**MK5036494**	Price
1-3/4	.014	**MK5036495**	Price
2-3/4	.008	**MK5036496**	Price
2-3/4	.014	**MK5036497**	Price



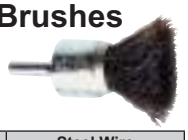
General Purpose 1/4" Stem-Mounted Crimped Wire Wheel Brushes

Dia. (in.)	Wire Size (in.)	Order No.	Price
2-1/2	.014	**MK5036476**	Price
3	.008	**MK5036490**	Price
3	.014	**MK5036491**	Price
4	.008	**MK5036492**	Price
4	.014	**MK5036493**	Price



WEILER 1/4" Stem-Mounted End Brushes

Solid End • Carbon Cleaning



- ID pipe cleaning
- Flash removal

				Stainless		Steel Wire	
Dia. (in.)	Wire Size (in.)	Trim Length (in.)	Max. Safe Free Speed (RPM)	Order No.	Price	Order No.	Price
1/2	.006	7/8	25,000	**MK5110013**	Price	**MK5110001**	Price
1/2	.0104	7/8	25,000	**MK5110014**	Price	**MK5110002**	Price
1/2	.014	7/8	25,000	**MK5110015**	Price	**MK5110003**	Price
1/2	.020	7/8	25,000	**MK5110016**	Price	**MK5110004**	Price
3/4	.006	7/8	22,000	**MK5110017**	Price	**MK5110005**	Price
3/4	.0104	7/8	22,000	**MK5110018**	Price	**MK5110006**	Price
3/4	.014	7/8	22,000	**MK5110019**	Price	**MK5110007**	Price
3/4	.020	7/8	22,000	**MK5110020**	Price	**MK5110008**	Price
1	.006	7/8	22,000	**MK5110021**	Price	**MK5110009**	Price
1	.0104	7/8	22,000	**MK5110022**	Price	**MK5110010**	Price
1	.014	7/8	22,000	**MK5110023**	Price	**MK5110011**	Price
1	.020	7/8	22,000	**MK5110024**	Price	**MK5110012**	Price

WEILER 1/4" Stem-Mounted End Brushes

Hollow Center — Polyflex® Encapsulated Orange Elastomer Heavy Duty



Dia. (in.)	Wire Size (in.)	Trim Length (in.)	Max. Safe Free Speed (RPM)	Order No.	Price
3/4	.0104	7/8	16,000	**MK5135540**	Price
1	.0104	7/8	14,000	**MK5135545**	Price

WEILER Circular Flared End Brushes

Die, Mold, Tool Cleaning and Polishing

Dia. (in.)	Wire Size (in.)	Max. Safe Free Speed (RPM)	Order No.	Price
1-1/2	.008	20,000	**MK5110037**	Price
1-1/2	.020	20,000	**MK5110038**	Price
1-1/4	.006	20,000	**MK5110076**	Price
1-1/4	.008	20,000	**MK5110035**	Price
2-3/4	.008	16,000	**MK5110039**	Price
2-3/4	.020	16,000	**MK5110040**	Price
3	.008	16,000	**MK5110041**	Price
3	.020	16,000	**MK5110073**	Price



WEILER Encapsulated Conflex Brushes

Burgundy Elastomer Standard



Dia. (in.)	Wire Size (in.)	Trim Length (in.)	Face Width (in.)	Max. Safe Free Speed (RPM)	Order No.	Price
3	.008	1/4	1/4	20,000	**MK5135310**	Price
2	.0118	1/2	1/4	20,000	**MK5135305**	Price
3	.0118	1/4	1/4	20,000	**MK5135315**	Price

WEILER Controlled Flare End Brushes

- Increased durability when cleaning right angles, corners and fillet welds



Dia. (in.)	Wire Size (in.)	Trim Length (in.)	Max. Safe Free Speed (RPM)	Order No.	Price
3/4	.014	7/8	22,000	**MK5110306**	Price
3/4	.020	7/8	22,000	**MK5110307**	Price
1	.014	1	22,000	**MK5110310**	Price
1	.020	1-1/8	22,000	**MK5110311**	Price

WEILER 1/4" Stem-Mounted End Brushes

Knot Type • ID Pipe Cleaning



- Deburring
- Cleaning recessed areas
- Spot facing
- Weld cleaning

				Knot Type Stainless		Knot Type Steel Wire		Stainless	
Dia. (in.)	Size (in.)	Length (in.)	Max Safe Free Speed (RPM)	Order No.	Price	Order No.	Price	Order No.	Price
1/2	.014	1-1/8	20,000	**MK5110218**	Price	**MK5110217**	Price	-	-
3/4	.0104	1-1/8	22,000	**MK5110211**	Price	**MK5110210**	Price	-	-
3/4	.014	7/8	22,000	**MK5110029**	Price	**MK5110025**	Price	-	-
3/4	.020	7/8	22,000	**MK5110030**	Price	**MK5110026**	Price	**MK5110020**	Price
1-1/8	.0104	1-1/8	20,000	**MK5110213**	Price	**MK5110212**	Price	-	-
1-1/8	.014	7/8	22,000	**MK5110031**	Price	**MK5110027**	Price	-	-
1-1/8	.020	7/8	22,000	**MK5110032**	Price	**MK5110028**	Price	-	-

WEILER Single Row Knot Cup Brushes

- For heavy duty cleaning of large metal surfaces
- Knotted type is an aggressive cleaning tool
- Weld scale and corrosion removal



					Knot Stainless		Knot Steel Wire	
Dia. (in.)	Wire Size (in.)	Threaded Arbor Hole (in.)	Trim Length (in.)	Max. Safe Free Speed (RPM)	Order No.	Price	Order No.	Price
2-3/4	.014	3/8-24	1	14,000	-	-	**MK5113021**	Price
2-3/4	.014	5/8-11	1	14,000	-	-	**MK5113025**	Price
2-3/4	.014	M10 x 1.25	1	14,000	-	-	**MK5113015**	Price
2-3/4	.014	M10 x 1.50	1	14,000	-	-	**MK5113016**	Price
2-3/4	.020	5/8-11	1	14,000	**MK5113258**	Price	-	-
3-1/2	.014	5/8-11	1-1/4	9,000	-	-	**MK5112736**	Price
3-1/2	.020	5/8-11	1-1/4	9,000	-	-	**MK5112746**	Price
3-1/2	.023	1/2-13	7/8	13,000	-	-	**MK5113155**	Price
3-1/2	.023	3/8-24	7/8	13,000	-	-	**MK5113153**	Price
3-1/2	.023	5/8-11	7/8	13,000	**MK5113163**	Price	**MK5113156**	Price
3-1/2	.023	M10 x 1.25	7/8	13,000	-	-	**MK5113150**	Price
3-1/2	.023	M10 x 1.50	7/8	13,000	-	-	**MK5113151**	Price
4	.014	5/8-11	1-1/4	9,000	**MK5112406**	Price	**MK5112306**	Price
4	.023	5/8-11	1-1/4	9,000	**MK5112416**	Price	**MK5112316**	Price
6	.014	5/8-11	1-3/8	6,600	**MK5112456**	Price	**MK5112356**	Price
6	.023	5/8-11	1-3/8	6,600	**MK5112476**	Price	**MK5112376**	Price

WEILER Crimped Wire Cup Brushes

- Light to medium duty, general purpose applications



					Crimped Stainless		Crimped Steel Wire	
Dia. (in.)	Wire Size (in.)	Threaded Arbor Hole (in.)	Trim Length (in.)	Max. Safe Free Speed (RPM)	Order No.	Price	Order No.	Price
3	.014	1/2-13	1	14,000	-	-	**MK5113244**	Price
3	.014	5/8-11	1	14,000	-	-	**MK5113245**	Price
3	.014	M10 x 1.25	1	14,000	-	-	**MK5113240**	Price
3	.014	M10 x 1.50	1	14,000	-	-	**MK5113241**	Price
3-1/2	.014	5/8-11	7/8	12,000	**MK5113188**	Price	-	-
4	.0118	5/8-11	1-3/8	9,000	-	-	**MK5114016**	Price
4	.014	5/8-11	1-3/8	9,000	-	-	**MK5114026**	Price
4	.020	5/8-11	1-3/8	9,000	**MK5114126**	Price	**MK5114036**	Price
5	.014	5/8-11	1-1/4	8,000	-	-	**MK5114206**	Price
5	.020	5/8-11	1-1/4	8,000	**MK5114256**	Price	**MK5114216**	Price
6	.014	5/8-11†	1-1/4	6,600	-	-	**MK5114066**	Price
6	.020	5/8-11†	1-1/4	6,600	**MK5114166**	Price	**MK5114076**	Price

† Internal nut

WEILER Banded Knot Wire Cup Brushes

- For heavy-duty applications requiring maximum aggression
- Steel band design controls flaring
- Steel band can be removed to expose more wire and extending brush life



				Banded Knot Stainless		Banded Knot Steel Wire	
Dia. (in.)	Wire Size (in.)	Arbor Hole (in.)	Max. (RPM)	Order No.	Price	Order No.	Price
2-3/4	.014	5/8-11	12,500	-	-	**MK5113300**	Price
2-3/4	.020	5/8-11	12,500	**MK5113302**	Price	**MK5113301**	Price
4	.023	5/8-11	9,000	-	-	**MK5112301**	Price

WEILER Encapsulated Cup Brushes

- Elastomer gradually wears exposing consistent short trim for maximum aggression and long life



Dia. (in.)	Wire Size (in.)	Threaded Arbor Hole (in.)	Max. Safe Free Speed (RPM)	Order No.	Price
3-1/2	.014	5/8-11	12,000	**MK5135406**	Price

WEILER Cable Twist Knot Wheel Brushes

- Maximum impact for extremely severe applications



Material - Knot Cable Twist Stainless							
Dia. (in.)	Wire Size (in.)	Threaded Arbor Hole (in.)	Trim Length (in.)	Face Width (in.)	Max. Safe Free Speed (RPM)	Order No.	Price
4	.020	5/8-11	7/8	1/4	20,000	**MK5113276**	Price

Material - Knot Cable Twist Steel Wire							
Dia. (in.)	Wire Size (in.)	Threaded Arbor Hole (in.)	Trim Length (in.)	Face Width (in.)	Max. Safe Free Speed (RPM)	Order No.	Price
4	.020	5/8-11	7/8	1/4	20,000	**MK5113266**	Price
4	.020	M10 x 1.25	7/8	1/4	20,000	**MK5113261**	Price
4	.020	M10 x 1.50	7/8	1/4	20,000	**MK5113262**	Price

WEILER Standard Twist Knot Wheel Brushes

- Rugged knot-type construction provides aggressive, high-impact action for severe applications



Material - Knot Twist Stainless							
Dia. (in.)	Wire Size (in.)	Threaded Arbor Hole (in.)	Trim Length (in.)	Face Width (in.)	Max. Safe Free Speed (RPM)	Order No.	Price
4	.014	5/8-11	7/8	1/2	20,000	**MK5113113**	Price

Material - Knot Twist Steel Wire							
Dia. (in.)	Wire Size (in.)	Threaded Arbor Hole (in.)	Trim Length (in.)	Face Width (in.)	Max. Safe Free Speed (RPM)	Order No.	Price
4	.014	1/2-13	7/8	1/2	20,000	**MK5113105**	Price
4	.014	5/8-11	7/8	1/2	20,000	**MK5113106**	Price
4	.014	M10 x 1.25	7/8	1/2	20,000	**MK5113100**	Price
4	.014	M10 x 1.50	7/8	1/2	20,000	**MK5113101**	Price
4	.020	1/2-13	7/8	1/2	20,000	**MK5113119**	Price
4	.020	5/8-11	7/8	1/2	20,000	**MK5113120**	Price
4	.020	M10 x 1.25	7/8	1/2	20,000	**MK5113114**	Price
4	.020	M10 x 1.50	7/8	1/2	20,000	**MK5113115**	Price

WEILER Crimped Wire Wheel Brushes

- Narrow face
- Flexible brushing action



Dia. (in.)	Wire Size (in.)	Threaded Arbor Hole (in.)	Trim Length (in.)	Face Width (in.)	Max. Safe Freed Speed (RPM)	Order No.	Price
4	.014	5/8-11	7/8	1/2	14,000	**MK5113081**	Price

WEILER Angle Grinder Adapters

- Reusable adapters convert brush thread to fit your grinder



Adapter Size	Order No.	Price
5/8-11 to M10 x 1.25	**MK5107771**	Price
5/8-11 to M10 x 1.50	**MK5107772**	Price

WEILER Wire Wheels



- Designed to operate at 20,000 RPM
- Deburring
- Rust scale & carbon removal
- Clean and polish ID & OD surfaces
- Cleaning internal surfaces and hard to reach areas
- Fast aggressive cutting with minimum pressure

						Copper Center Stainless		Copper Center Steel Wire	
Dia. (in.)	Wire Size (in.)	Std. Arbor Hole (in.)	Trim Length (in.)	Face Width (in.)	Max. Safe Free Speed (RPM)	Order No.	Price	Order No.	Price
1-1/2	.0104	3/8	7/16	1/4	20,000	-	-	**MK5115322**	Price
1-1/2	.014	3/8	7/16	1/4	20,000	-	-	**MK5115762**	Price
1-3/8	.008	1/4	3/8	1/4	20,000	-	-	**MK5115141**	Price
2	.008	1/2	1/2	3/8	20,000	**MK5116843**	Price	**MK5115443**	Price
2	.0104	1/2	1/2	3/8	20,000	**MK5116853**	Price	**MK5115453**	Price
2	.014	1/2-3/8	1/2	3/8	20,000	**MK5116873**	Price	**MK5115473**	Price
3	.008	1/2	1	5/8	20,000	**MK5116943**	Price	**MK5115543**	Price
3	.0118	1/2-3/8	1	5/8	20,000	**MK5116963**	Price	**MK5115563**	Price
3	.014	1/2-3/8	1	5/8	20,000	-	-	**MK5115573**	Price

WEILER Narrow Face Crimped Wire Wheels



- Cleaning of rust, scale & dirt
- Light deburring
- Edge blending
- Finishing for appearance
- Finish preparation prior to painting or plating

							Crimped Stainless		Crimped Steel Wire	
Dia. (in.)	Wire Size (in.)	Std. Arbor Hole (in.)	Trim Length (in.)	Face Width (in.)	Thickness at Face Plates (±1/32) (in.)	Max. Safe Free Speed (RPM)	Order No.	Price	Order No.	Price
3	.006	3/8-1/2	1/2	7/16	7/16	12,500	-	-	**MK5100204**	Price
3	.0118	3/8-1/2	1/2	7/16	7/16	12,500	-	-	**MK5100234**	Price
3	.014	3/8-1/2	1/2	7/16	7/16	12,500	-	-	**MK5100274**	Price
4	.006	3/8-1/2	7/8	1/2	7/16	12,500	**MK5100154**	Price	**MK5100104**	Price
4	.0118	3/8-1/2	7/8	1/2	7/16	12,500	**MK5100184**	Price	**MK5100134**	Price
4	.014	3/8-1/2	7/8	1/2	7/16	12,500	-	-	**MK5100144**	Price
6	.006	1/2-5/8	1-7/16	3/4	7/16	6,000	**MK5101675**	Price	**MK5101035**	Price
6	.0118	1/2-5/8	1-7/16	3/4	7/16	6,000	**MK5101705**	Price	**MK5101065**	Price
6	.014	1/2-5/8	1-7/16	3/4	7/16	6,000	-	-	**MK5101075**	Price
8	.006	5/8	2-1/16	3/4	1/2	6,000	**MK5101775**	Price	**MK5101135**	Price
8	.0118	5/8	2-1/16	3/4	1/2	6,000	**MK5101805**	Price	**MK5101165**	Price
8	.014	5/8	2-1/16	3/4	1/2	6,000	-	-	**MK5101175**	Price
10	.006	3/4	2-1/2	3/4	5/8	4,000	-	-	**MK5101228**	Price
10	.0118	3/4	2-1/2	3/4	5/8	4,000	-	-	**MK5101248**	Price
10	.014	3/4	2-1/2	3/4	5/8	4,000	-	-	**MK5101258**	Price
12	.006	1-1/4	2-15/16	3/4	1/2	3,000	-	-	**MK5101299†**	Price
12	.0118	1-1/4	2-15/16	3/4	1/2	3,000	-	-	**MK5101319†**	Price
12	.014	1-1/4	2-15/16	3/4	1/2	3,000	-	-	**MK5101329†**	Price

† 5/16" x 5/32" Double Keyway

WEILER Heavy Duty Medium Face Crimped Wire Wheels



- Flash removal, plastic and rubber parts
- Edge blending
- Deburring
- Surface preparation
- Cleaning of paint, rust, dirt and scale
- Wider face wheels minimize brush changeover due to wear

Dia. (in.)	Wire Size (in.)	Std. Arbor Hole (in.)	Trim Length (in.)	Face Width (in.)	Thickness at Face Plates (±1/32) (in.)	Max. Safe Free Speed (RPM)	Order No.	Price
4-1/2	.0118	2	3/4	15/16	7/8	6,000	**MK5106020**	Price
6	.006	2	1-1/8	1	15/16	6,000	**MK5106040**	Price
6	.0118	2	1-1/8	1	15/16	6,000	**MK5106070**	Price
6	.014	2	1-1/8	1	15/16	6,000	**MK5106080**	Price
8	.006	2	1-3/8	1	1	4,500	**MK5106090**	Price
8	.0118	2	1-3/8	1	1	4,500	**MK5106110**	Price
8	.014	2	1-3/8	1	1	4,500	**MK5106120**	Price
10	.0118	2	2	1-1/8	1	3,600	**MK5106150†**	Price
10	.014	2	2	1-1/8	1	3,600	**MK5106160†**	Price
12	.0118	2	3	1-1/4	1	3,600	**MK5106180†**	Price
12	.014	2	3	1-1/4	1	3,600	**MK5106190†**	Price
12	.020	2	3	1-1/4	1	3,600	**MK5106200†**	Price

† 1/2" x 1/4" Double Keyway

WEILER Heavy Duty Wide Face Crimped Wire Wheels



- Flash removal, plastic and rubber parts
- Edge blending
- Deburring
- Surface preparation
- Cleaning of paint, rust, dirt and scale
- Wider face wheels minimize brush change over due to wear

Dia. (in.)	Wire Size (in.)	Std. Arbor Hole (in.)	Trim Length (in.)	Face Width (in.)	Thickness at Face Plates (±1/32) (in.)	Max. Safe Free Speed (RPM)	Order No.	Price
4-1/2	.0118	2	3/4	1-1/4	7/8	6,000	**MK5103010**	Price
6	.0118	2	1-1/8	1-1/4	1	6,000	**MK5103060**	Price
6	.014	2	1-1/8	1-1/4	1	6,000	**MK5103070**	Price
7	.0118	2	1-5/8	1-1/4	1	6,000	**MK5103090**	Price
7	.014	2	1-5/8	1-1/4	1	6,000	**MK5103100**	Price
8	.0118	2	1-3/8	1-1/2	1-3/8	4,500	**MK5103140**	Price
8	.014	2	1-3/8	1-1/2	1-3/8	4,500	**MK5103150**	Price
10	.0118	2	1-7/8	1-5/8	1-5/8	4,000	**MK5103190**	Price
10	.014	2	1-7/8	1-5/8	1-5/8	4,000	**MK5103200**	Price
12	.0118	2	2-7/8	1-5/8	1-9/16	3,000	**MK5103220**	Price
12	.014	2	2-7/8	1-5/8	1-9/16	3,000	**MK5103230**	Price

Wheel adapters must be purchased separately.

WEILER Adapters for Narrow Face Wheels



Adapter for Arbor Hole Size (in.)	Order No.	Price
2 to 1	**MK5103812**	Price
2 to 1/2	**MK5103809**	Price
2 to 1-1/2	**MK5103814**	Price
2 to 1-1/4	**MK5103813**	Price

Adapter for Arbor Hole Size (in.)	Order No.	Price
2 to 3/4	**MK5103811**	Price
2 to 5/8	**MK5103810**	Price
2 to 7/8	**MK5103824**	Price

Knot Type Wire Wheel Brushes Standard Twist

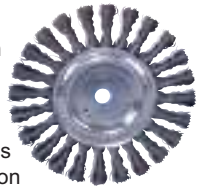


- Removal of rust scale, weld splatter and oxidation
- Heavy burr removal
- Weld cleaning
- High impact action
- Aggressive, high-impact action for severe applications
- For removing rust, scale, weld spatter and oxidation
- Heavy burr removal, weld cleaning & surface conditioning

						Knot Twist Stainless		Knot Twist Steel Wire	
Dia. (in.)	Wire Size (in.)	Std. Arbor Hole (in.)	Trim Length (in.)	Face Width (in.)	Max. Safe Free Speed (RPM)	Order No.	Price	Order No.	Price
3	.0118	1/2-3/8	5/8	3/8	25,000	**MK5108254**	Price	**MK5108004**	Price
3	.014	1/2-3/8	5/8	3/8	25,000	**MK5108264**	Price	**MK5108014**	Price
4	.0118	1/2-3/8	7/8	1/2	20,000	**MK5108284**	Price	**MK5108034**	Price
4	.020	1/2-3/8	7/8	1/2	20,000	**MK5108314**	Price	-	-
6	.0118	1/2-5/8	1-3/8	1/2	9,000	**MK5108325**	Price	**MK5108075**	Price
6	.016	1/2-5/8	1-3/8	1/2	9,000	**MK5108345**	Price	**MK5108095**	Price
8	.014	5/8	1-5/8	5/8	6,000	-	-	**MK5108135**	Price
8	.016	5/8	1-5/8	5/8	6,000	**MK5108395**	Price	**MK5108145**	Price
10	.014	1-1/4 † w/keyway	1-3/4	3/4	4,500	-	-	**MK5108179**	Price
10	.016	1-1/4 † w/keyway	1-3/4	3/4	4,500	-	-	**MK5108189**	Price
12	.014	1-1/4 † w/keyway	2-3/4	3/4	3,600	-	-	**MK5108209**	Price
12	.016	1-1/4 † w/keyway	2-3/4	3/4	3,600	-	-	**MK5108219**	Price

† 5/16" x 5/32" Double Keyway

Knot Type Wire Wheel Brushes Cable Twist



- Removal of rust scale, weld splatter and oxidation
- Heavy burr removal
- Weld cleaning
- High impact action
- Maximum impact for extremely severe applications
- For removing rust, scale, weld spatter and oxidation
- Heavy burr removal, weld cleaning & surface conditioning

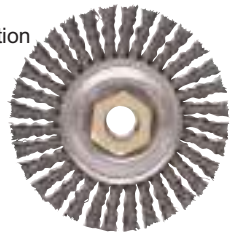
Dia. (in.)	Wire Size (in.)	Std. Arbor Hole (in.)	Trim Length (in.)	Face Width (in.)	Max. Safe Free Speed (RPM)	Order No.	Price
4	.020	1/2-3/8	7/8	1/4	20,000	**MK5108534**	Price
6	.023	5/8-1/2	1-3/8	3/8	9,000	**MK5108565**	Price
8	.023	5/8	1-5/8	1/2	6,000	**MK5108615**	Price
10	.023	1-1/4 †	1-3/4	1/2	4,500	**MK5108879†**	Price

† 5/16" x 5/32" Double Keyway

Roughneck Max Wire Wheels

MADE IN THE USA

- Stronger, sharper wire lessens wire breakage
- Removal of rust scale, weld splatter and oxidation
- Heavy burr removal
- Weld cleaning
- High impact action
- Max. safe free speed (RPM): 20,000



New!

					Stainless		Steel	
Dia. (in.)	Wire Size (in.)	Arbor Hole	Face Width (in.)	Trim Length (in.)	Order No.	Price	Order No.	Price
4	.020	5/8-11	3/16	7/8	**MK5113138**	Price	**MK5113131**	Price

18 Pc. Mounted Cup & Wheel Wire Brush Assortment

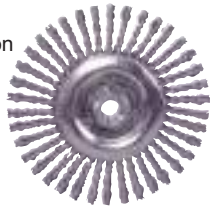
Made with Oil-Treated Steel Wire Bristles

- Ideal for removing surface contamination
- Most sizes available in coarse grade – .012″ wire, & fine – .008″ wire
- Coarse grade, 1/4" shank,, Max. RPM 4,500
- Assortment consists of: (9) 1-1/2" Cups, (2) 3" Cups, (7) 4" Wheels



Order No.	Price
MK504580	Price

Roughneck Knot Type Wire Wheel Brushes Stringer Bead Twist



- Removal of rust scale, weld splatter and oxidation
- Heavy burr removal
- Weld cleaning
- High impact action
- Very narrow face
- For hard-to-reach areas
- Primarily used for weld cleaning

Dia. (in.)	Wire Size (in.)	Std. Arbor Hole (in.)	Trim Length (in.)	Face Width (in.)	Max. Safe Free Speed (RPM)	Order No.	Price
4	.020	M10 x 1.25	7/8	3/16	20,000	**MK5113125**	Price
4	.020	M10 x 1.50	7/8	3/16	20,000	**MK5113126**	Price
5	.020	5/8-11	7/8	3/16	12,500	**MK5108756**	Price
6	.020	5/8-11	1-1/8	3/16	12,500	**MK5109400**	Price
6	.020	5/8-11	1-3/8	3/16	12,500	**MK5108766**	Price
6	.023	5/8-11	1-1/4	1/2	12,500	**MK5108916**	Price
6	.023	5/8-11	1-3/8	1/2	12,500	**MK5108776**	Price
6-7/8	.020	5/8-11	1-1/8	3/16	9,000	**MK5109000**	Price

Adapters for MI0 x 1.25 & MI0 x 1.5 are available

Unmounted Wire Wheel Brushes



Dia. (in.)	Arbor Hole (in.)	Grade	Max. RPM	Order No.	Price
8	5/8	Coarse	4,500	**MK508267**	Price

Encapsulated Stringer Bead Twist



- Extra heavy-duty elastomer gradually wears exposing consistent short trim for maximum aggression and long life
- For hot pass through cap pass weld cleaning
- Removal of rust scale, weld splatter and oxidation
- Heavy burr removal
- Weld cleaning
- High impact action

Dia. (in.)	Wire Size (in.)	Std. Arbor Hole	Trim Length (in.)	Face Width (in.)	Order No.	Price
4	.020	5/8-11	7/8	3/16	**MK5135800**	Price
7	.014	5/8-11	1-15/16	3/16	**MK5135216†**	Price

† Crimped Wire

Knot-Type Cup Brushes

- Heavy Duty
- †Stainless Steel Wire
- For removal of weld scale, rust, old paint and corrosion, cleaning and surface prep of metals



Material - Knot Type Steel Wire					
Brush Dia. (in.)	Arbor Hole (in.)	Trim Length (in.)	Wire Size (in.)	Order No.	Price
3-1/2	5/8-11	1-3/8	.014SV	**MK6033045•†**	Price
3-1/2	5/8-11	1-3/8	.020	**MK6033005•**	Price
3-1/2	5/8-11	1-3/8	.020	**MK6033126**	Price
4	5/8-11	1-1/4	.025	**MK6033138**	Price
6	5/8-11	1-3/4	.014	**MK6033011**	Price
6	5/8-11	1-3/4	.014	**MK6033026**	Price
6	5/8-11	1-3/4	.020	**MK6033015**	Price
6	5/8-11	1-3/4	.020	**MK6033028•**	Price
6	5/8-11	1-3/4	.020	**MK6033030•**	Price
6	5/8-11	1-3/4	.020	**MK6033127**	Price
6	5/8-11	1-3/4	.020SV	**MK6033134†**	Price
6	5/8-11	1-3/4	.035	**MK6033021**	Price
6	5/8-11	1-3/4	.035	**MK6033032•**	Price
6	5/8-11	1-3/4	.035	**MK6033034•**	Price

Material - Staggered Knot Type Steel Wire					
Brush Dia. (in.)	Arbor Hole (in.)	Trim Length (in.)	Wire Size (in.)	Order No.	Price
5-3/4	5/8-11	1-3/4	.035	**MK6033204**	Price

Small Diameter Wire Wheel Brush

- Ringlock Brushes are effectively doing hundreds of brushing operations on jobs where burrs, scale, carbon, rust and corrosion must be removed from internal surfaces and other hard to reach areas



Brush Dia. (in.)	Arbor Hole (in.)	Trim Length (in.)	Wire Size (in.)	Order No.	Price
2	1/2	9/16	.005	**MK6016119**	Price
3	1/2	1	.005	**MK6016139**	Price
1-1/2	3/8	3/8	.008	**MK6011017**	Price
1-1/2	3/8	3/8	.0104	**MK6011018**	Price
1-1/2	3/8	3/8	.014	**MK6011019**	Price
1-3/8	1/4	25/64	.006	**MK6011013**	Price
1-3/8	1/4	25/64	.008	**MK6011014**	Price
1-3/8	1/4	25/64	.0104	**MK6011015**	Price
2	1/2	1/2	.008	**MK6011032**	Price
2	1/2	1/2	.0118	**MK6011033**	Price
2	1/2	1/2	.014	**MK6011034**	Price
2	1/2	9/16	.006	**MK6011031**	Price
2	3/8	7/16	.014	**MK6011028**	Price
2-1/2	1/2	3/4	.008	**MK6011046**	Price
2-1/2	5/8	11/16	.0118	**MK6011051**	Price
2-1/2	5/8	11/16	.014	**MK6011052**	Price
3	1/2	1	.008	**MK6011058**	Price
3	1/2	1	.014	**MK6011060**	Price
3	5/8	15/16	.006	**MK6011061**	Price
3	5/8	15/16	.014	**MK6011063**	Price
4	5/8	1-1/2	.014	**MK6011066**	Price

Ultra-Grit Abrasive Nylon Wheel Brushes Wide Face

- Wide-face construction which is highly effective on both metallic and non-metallic materials
- Used singly or mounted in multiple for a wider face



Brush Dia. (in.)	Grit Size	Arbor Hole (in.)	Face Width (in.)	Trim Length (in.)	MSFS RPM	Order No.	Price
3	180 SC	5/8	1/2	5/8	20,000	**MK6022250**	Price
4	80 SC	5/8	7/8	1-1/8	18,000	**MK6022244**	Price
6	120 SC	2	7/8	1-1/16	6,000	**MK6022286**	Price
6	180 SC	2	7/8	1-1/16	6,000	**MK6022287**	Price
6	500 SC	2	7/8	1-1/16	6,000	**MK6022289**	Price
8	120 SC	2	7/8	1-1/2	4,500	**MK6022297**	Price
8	320 SC	2	7/8	1-1/2	4,500	**MK6022299**	Price
10	80 SC	2	1	2-1/16	3,600	**MK6022312**	Price
12	80 SC	2	1	2-1/8	3,000	**MK6022325**	Price
14	320 SC	2	1	2-1/8	2,400	**MK6022336**	Price

Brush Drive Arbors

- For brushes up to 3" diameter only
- Designed for use with a single brush only
- Not for use with grinding wheels, abrasive discs, buffs, buffing pads, or other non-brush perishable tools



Arbor Size (in.)	Shank Size (in.)	OAL (in.)	Order No.	Price
1/4	3/16	1-1/2	**MK6075007**	Price
3/8	1/4	1-3/4	**MK6075008**	Price
1/2	1/4	1-3/4	**MK6075009**	Price
5/8	1/4	1-3/4	**MK6075010**	Price

Adapters/Centering Bushings

- Use only one

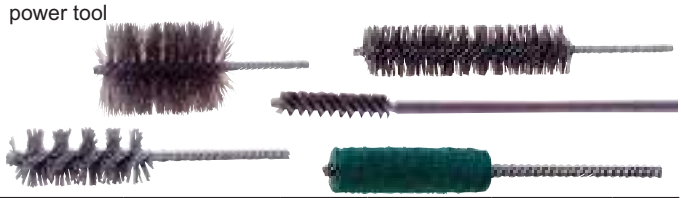


Adapter for Arbor Hole Size (in.)	Order No.	Price
1/2 to 1/4	**MK6075059**	Price
1/2 to 3/8	**MK6075060**	Price
5/8 to 1/2	**MK6075061**	Price
5/8 to 3/8	**MK6075062**	Price

Tube Brushes

Double Stem, Double Spiral

- Can be used as a hand tool, mounted in a drill press, or on a portable power tool



Brush Dia. (in.)	Brush Length (in.)	OAL (in.)	Wire Size (in.)	Order No.	Price
1/2	2	5	.004	**MK6051020**	Price
1/2	2	5	.006	**MK6051021**	Price
5/8	2	5	.006	**MK6051022**	Price
5/8	2	5	.008	**MK6051023**	Price
5/8	2	5	.0104	**MK6051024**	Price
3/4	2-1/2	5	.006	**MK6051025**	Price
3/4	2-1/2	5	.0104	**MK6051027**	Price
7/8	2-1/2	5	.0104	**MK6051030**	Price
1	2-1/2	5	.006	**MK6051031**	Price
1	2-1/2	5	.0104	**MK6051033**	Price
1-1/2	2-1/2	5	.0104	**MK6051038**	Price

osborn Crimped Wire Wideface Wheel Brush



- Filled with the highest quality steel wire
- Provides fast, efficient brushing on production work and general maintenance jobs
- Fits directly onto 2" diameter arbors, without adapters

Brush Dia. (in.)	Wire Size (in.)	Arbor Hole (in.)	Width Thru Face Width (in.)	Trim Length (in.)	MSFS RPM	Order No.	Price
4-1/4	.0118	2	1	3/4	6,000	**MK6022003**	Price
6	.008	2	1-1/4	1	6,000	**MK6022006**	Price
6	.0118	2	1-1/4	1	6,000	**MK6022007**	Price
6	.014	2	1-1/4	1	6,000	**MK6022008**	Price
8	.006	2	1-1/2	1-1/2	4,500	**MK6022010**	Price
8	.010	2	1-1/2	1-1/2	4,500	**MK6022080**	Price
8	.0118	2	1-1/2	1-1/2	4,500	**MK6022026**	Price
8	.014	2	1-1/2	1-1/2	4,500	**MK6022012**	Price
8	.020	2	1-1/2	1-1/2	4,500	**MK6022013**	Price
10	.010	2	2	2-1/8	3,600	**MK6022014**	Price
10	.020	2	2	2-1/8	3,600	**MK6022015**	Price
12	.0118	2	2	3-1/4	3,600	**MK6022016**	Price
12	.020	2	2	1-7/8	3,000	**MK6022225**	Price

osborn Crimped Wire Narrow Face Wheel Brush



- For wider surfaces where flexibility is required
- More flexible than the wide and medium duty styles

Material - Stainless Steel								
Brush Dia. (in.)	Wire Size (in.)	Arbor Hole (in.)	Face Width (in.)	Width at Face Plates (in.)	Trim Length (in.)	MSFS RPM	Order No.	Price
6	.005	1-1/4	5/8	13/32	1-1/8	6,000	**MK6021056**	Price
6	.0104	1/2-5/8	5/8	13/32	1-1/8	6,000	**MK6021588**	Price
6	.0104	1-1/4	5/8	13/32	1-1/8	6,000	**MK6021059**	Price
8	.005	1-1/4	3/4	1/2	1-1/2	4,500	**MK6021195**	Price
12	.0104	2	1	17/32	3	3,000	**MK6021063**	Price

Material - Steel								
Brush Dia. (in.)	Wire Size (in.)	Arbor Hole (in.)	Face Width (in.)	Width at Face Plates (in.)	Trim Length (in.)	MSFS RPM	Order No.	Price
4	.0104	1/2-5/8	3/8	3/8	13/16	6,000	**MK6021597**	Price
4	.0104	1/2-5/8	5/8	13/32	13/16	6,000	**MK6021592**	Price
6	.006	1/2-5/8	5/8	13/32	1-1/8	6,000	**MK6021583**	Price
6	.006	1-1/4	5/8	13/32	1-1/8	6,000	**MK6021009**	Price
6	.008	1/2-5/8	5/8	13/32	1-1/8	6,000	**MK6021584**	Price
6	.0104	1/2-5/8	5/8	13/32	1-1/8	6,000	**MK6021585**	Price
6	.0104	1-1/4	5/8	13/32	1-1/8	6,000	**MK6021016**	Price
6	.0118	1/2-5/8	5/8	13/32	1-1/8	6,000	**MK6021586**	Price
6	.014	1/2-5/8	5/8	13/32	1-1/8	6,000	**MK6021587**	Price
6	.014	1-1/4	5/8	13/32	1-1/8	6,000	**MK6021020**	Price
8	.006	1-1/4	5/8	35/64	1-1/2	4,500	**MK6021182**	Price
10	.0104	1-1/4	5/8	15/32	2-1/2	3,600	**MK6021201**	Price
12	.005	1-1/4	1	9/16	3	3,000	**MK6021047**	Price
12	.0104	1-1/4	1/2	29/64	3	3,000	**MK6021044**	Price
12	.0104	2	1	9/16	3	3,000	**MK6021052**	Price

osborn Crimped Wire Cup Brushes



- Designed for light and medium duty applications on a variety of highspeed air and electric tools

Brush Dia. (in.)	Arbor Hole (in.)	Trim Length (in.)	Wire Size (in.)	MSFS RPM	Order No.	Price
3-1/2	5/8-11NC	1	.0118	7,500	**MK6032048**	Price
3-1/2	5/8-11NC	1	.020	7,500	**MK6032056**	Price
4	5/8-11NC	1-1/8	.020	9,000	**MK6032134**	Price
5	5/8-11NC	1-1/2	.020	8,000	**MK6032135**	Price
6	5/8-11NC	1-1/2	.020	7,000	**MK6032136**	Price

osborn Crimped Wire Medium Face Wheel Brush



- Adaptable to a wide range of equipment and multiple mounting for brushing wide areas
- Combine excellent brushing characteristics with exceptionally long life

Brush Dia. (in.)	Wire Size (in.)	Arbor Hole (in.)	Face Width (in.)	Width at Face Plates (in.)	Trim Length (in.)	MSFS RPM	Order No.	Price
6	.006	2	7/8	.670	1	6,000	**MK6022061**	Price
6	.0104	2	7/8	.670	1	6,000	**MK6022064**	Price
6	.0118	2	7/8	.670	1	6,000	**MK6022065**	Price
6	.014	2	7/8	.670	1	6,000	**MK6022066**	Price
7	.0104	2	3/4	.650	1-1/2	6,000	**MK6022074**	Price
7	.014	2	3/4	.650	1-1/2	6,000	**MK6022076**	Price
8	.006	2	5/8	.635	1-1/2	4,500	**MK6022081**	Price
8	.008	2	5/8	.635	1-1/2	4,500	**MK6022082**	Price
8	.0118	1-1/4	5/8	.635	1-1/2	4,500	**MK6022094**	Price
8	.0118	2	5/8	.635	1-1/2	4,500	**MK6022085**	Price
8	.014	1-1/4	5/8	.635	1-1/2	4,500	**MK6022095**	Price
8	.014	2	5/8	.635	1-1/2	4,500	**MK6022086**	Price

osborn Knot Wire Wheel Brushes



- Provides high brush flexibility, maximum safety and efficient operation at high speeds
- Brushes larger than 6" should be mounted on stationary tables
- Brushes smaller than 6" can be mounted to stationary installations or attached to portable tools

Material - Knot Type Stainless								
Brush Dia. (in.)	Wire Size (in.)	Arbor Hole (in.)	Face Width (in.)	Width at Face Plates (in.)	Trim Length (in.)	MSFS RPM	Order No.	Price
3	.014	3/8	3/8	7/16	5/8	25,000	**MK6026206**	Price
4	.014	3/8	5/16	3/8	7/8	20,000	**MK6026209**	Price
6	.016	1/2-5/8	1/2	9/16	1-1/2	9,000	**MK6026225**	Price
6	.016	5/8-11	1/2	9/16	1-1/2	9,000	**MK6026038**	Price
6-1/2	.020	5/8-11	1/4	9/16	1-7/32	12,000	**MK6026226**	Price

Material - Knot Type Steel Wire								
Brush Dia. (in.)	Wire Size (in.)	Arbor Hole (in.)	Face Width (in.)	Width at Face Plates (in.)	Trim Length (in.)	MSFS RPM	Order No.	Price
3	.020	3/8	3/8	7/16	5/8	20,000	**MK6026928**	Price
4	.0118	1/2-5/8	5/16	3/8	7/8	20,000	**MK6026028**	Price
4	.014	1/2-5/8	5/16	3/8	7/8	20,000	**MK6026029**	Price
4	.014	3/8	5/16	3/8	7/8	20,000	**MK6026017**	Price
4	.020	1/2-5/8	5/16	3/8	7/8	20,000	**MK6026030**	Price
6	.0118	1/2-5/8	1/2	9/16	1-1/2	9,000	**MK6026041**	Price
6	.014	1/2-5/8	1/2	9/16	1-1/2	9,000	**MK6026042**	Price
6	.016	1/2-5/8	1/2	9/16	1-1/2	9,000	**MK6026043**	Price
6	.025	1/2-5/8	1/2	9/16	1-1/2	9,000	**MK6026046**	Price
6	.025	5/8-11	1/2	9/16	1-1/2	9,000	**MK6026047**	Price
6-1/2	.020	5/8-11	1/4	9/16	1-7/32	12,000	**MK6026048**	Price
8	.0118	1-1/4	5/8	9/16	1-11/16	8,500	**MK6026064**	Price
8	.0118	5/8	5/8	9/16	1-11/16	8,500	**MK6026058**	Price
8	.014	1-1/4†	5/8	9/16	1-11/16	8,500	**MK6026065**	Price
8	.014	5/8	5/8	9/16	2-7/16	8,500	**MK6026059**	Price
8	.016	5/8	5/8	9/16	1-11/16	8,500	**MK6026060**	Price
8	.025	5/8	5/8	9/16	1-11/16	8,500	**MK6026061**	Price
8	.025	5/8-11	5/8	9/16	1-11/16	8,500	**MK6026062**	Price
10	.0118	1-1/4†	5/8	5/8	2-1/4	4,500	**MK6026070**	Price

†The 1-1/4" arbor hole brushes have two 1/4" x 1/8" keyways

Weiler Dually Stringer Bead Wheels - "Flip 'N Fast" Dual-Hex Nut Design



- Simplifies periodic flipping of the wheels for maximum cutting, long life, and safer use
- Featuring a knot twist with the most aggressive cutting action, the new dual-hex nut makes it easier for the user to regularly switch mounting position and keep the brush running at peak performance
- Highest quality heat-treated steel wire and construction that delivers smooth operation and long life
- Hex nut design provides adequate tool clearance
- No need to remove the guard from the right-angle grinder

Dia. (in.)	Wire Size	Trim Length	RPM	Order No.	Price
4	.020	13/16	12,500	**MK5179801**	Price
5	.020	7/8	12,500	**MK5179802**	Price
5	.023	7/8	12,500	**MK5179803**	Price
6	.020	1-1/8	12,500	**MK5179805**	Price
6	.023	1-1/4	12,500	**MK5179804**	Price
7	.020	1-1/8	12,500	**MK5179800**	Price

WEILER 4-1/2" Stringer Bead Weld Cleaning Brush



- Up to 20% less wire loss than comparable 4" stringer bead wheels and 50% longer brush life
- Superior cleaning action and longer product life than other currently available 4-1/2" stringer bead wheels

				Carbon Steel		Stainless Steel	
Dia. (in.)	Wire Size	Arbor Hole	RPM	Order No.	Price	Order No.	Price
4-1/2	.020	5/8-11	12,500	**MK5113232**	Price	**MK5113238**	Price
4-1/2	.020	7/8	12,500	**MK5113234**	Price	**MK5113249**	Price
4-1/2	.020	M14 x 2.0	12,500	**MK5113233**	Price	**MK5113239**	Price

CGW Aluminum Oxide Flap Wheel Drums with Keyhole Arbor



- Flexible, quality flaps easily conform to work pieces
- Cool finishing for ferrous and non-ferrous metals
- Standard Package – 5 Pc.

Face Width (in.)	Dia. (in.)	Grit Size	Hole Size (in.)	Order No.	Price
4	4	120	3/4	**MG9072103**	Price
4	4	40	3/4	**MG9072100**	Price
4	4	60	3/4	**MG9072101**	Price
4	4	80	3/4	**MG9072102**	Price

CGW Brass Wire Flap Wheel Drums with 3/4" Keyhole Arbor



- For use on parts machined from soft non-ferrous metals
- Perfect for blending or decorative finishing

Dia. (in.)	Wire Size	Order No.	Price
4 x 2-3/4	.020	**MG9072134**	Price
4 x 2-3/4	.030	**MG9072133**	Price

CGW Non-Woven Flap Wheel Drums with 3/4" Keyhole Arbor



- Quality, non-woven material impregnated with aluminum oxide grain for consistent finishes
- Designed for polishing, blending, deburring, cleaning and brightening on stainless steel, aluminum, brass, copper and other alloys

Face Width (in.)	Dia. (in.)	Grade	Hole Size (in.)	Order No.	Price
4	4	A/O Coarse	3/4	**MG9072116**	Price
4	4	A/O Fine	3/4	**MG9072118**	Price
4	4	A/O Medium	3/4	**MG9072117**	Price
4	4	A/O Very Fine	3/4	**MG9072119**	Price

CGW Interleaf Flap Wheel Drums with 3/4" Keyhole Arbor



- Alternating flaps of non-woven and aluminum oxide coated abrasive materials for fast, uniform finishes
- Medium grade drums provide consistent satin finishes

Face Width (in.)	Dia. (in.)	Grade	Hole Size (in.)	Order No.	Price
4	4	A/O 120G + S-Medium	3/4	**MG9072113**	Price
4	4	A/O 180G + S-Medium	3/4	**MG9072114**	Price
4	4	A/O 240G + S-Medium	3/4	**MG9072115**	Price
4	4	A/O 40G + S-Medium	3/4	**MG9072110**	Price
4	4	A/O 60G + S-Medium	3/4	**MG9072111**	Price
4	4	A/O 80G + S-Medium	3/4	**MG9072112**	Price

CGW Nylon Brush Flap Wheel Drums with 3/4" Keyhole Arbor



- Abrasive Grit is impregnated throughout each bristle
- Removing paints, corrosion, weld scale, surface rust & burns from metals.
- Use on steel, aluminum, copper, brass, stainless steel, super alloys, plastics, composites, ceramics, wood, leather

Face Width (in.)	Dia. (in.)	Grit	Order No.	Price
2-3/4	4	46	**MG9072131**	Price
2-3/4	4	80	**MG9072132**	Price

Non-sparking bushes are made with high quality brass or bronze wire for non-sparking and metal finishing applications.
- Cleaning molds and dies for extrusion and injection-molding equipment
- Maintenance and fabrication in areas where flammable substances are present
- Deburring component parts machined from soft non-ferrous metals
- Used in petroleum production and refining: chemical production and processing; manufacturing of plastics, synthetics and rubber
- Decorative finishing

WEILER 6" Narrow Face Wheels - Crimped Brass Wire



Wire Size	Face Width	Arbor Hole	RPM	Order No.	Price
.005	1/2	5/8-1/2	6,000	**MK5101415**	Price
.0118	1/2	5/8-1/2	6,000	**MK5101475**	Price

WEILER Small Diameter Wheels - Brass Wire



Dia. (in.)	Wire Size	Face Width	Arbor Hole	RPM	Order No.	Price
1-1/2	.005	7/16	3/8	20,000	**MK5129178**	Price
2	.005	1/2	1/2	20,000	**MK5129059**	Price
2	.0118	1/2	1/2	20,000	**MK5129086**	Price
3	.014	1	1/2	20,000	**MK5129078**	Price

WEILER Standard Knot Twist Wheel - Bronze Wire



Dia. (in.)	Face Width	Wire Size	Arbor Hole	RPM	Order No.	Price
3	3/8	.020	1/2-3/8	25,000	**MK5108271**	Price
4	1/2	.020	5/8-11	20,000	**MK5113121**	Price

WEILER 3" Stem Mounted Wire Wheel



Dia. (in.)	Wire Size	Face Width	Arbor Hole	RPM	Order No.	Price
3	.0118	1	1/4 Stem	20,000	**MK5117641**	Price

WEILER Cup Wheels, 5/8-11 Mount - Crimped Bronze & Brass Brushes



Dia. (in.)	Brush Length	Wire Size	Order No.	Price
3	7/8	.020	**MK5113231**	Price
4	1-3/8	.020	**MK5114616**	Price
5	1-1/4	.014	**MK5114606**	Price
6	1-1/4	.020	**MK5114316**	Price

WEILER Single Row Knot Cup Brushes - Bronze Wire



Dia. (in.)	Wire Size	Brush Length	RPM	Order No.	Price
2-3/4	.020	1	14,000	**MK5113299**	Price
4	.020	1-1/4	9,000	**MK5112776**	Price

WEILER 1/4" Stem Cup Brushes - Crimped Brass Wire



Dia. (in.)	Wire Size	Order No.	Price
1-3/4	.006	**MK5114310**	Price
1-3/4	.0118	**MK5114314**	Price
2-3/4	.0118	**MK5114311**	Price

WEILER 1/4" Stem Wire End Brush - Crimped Brass Wire



Dia. (in.)	Wire Size	Order No.	Price
1/2	.005	**MK5110158**	Price
1	.005	**MK5110128**	Price
1	.0118	**MK5110091**	Price

WEILER 1/4" Stem Knot End Brush - Bronze Wire



Dia. (in.)	Wire Size	Order No.	Price
1-1/8	.020	**MK5110067**	Price

WEILER Round Power Tube Brush - Stainless Steel Stem - Brass Wire



Dia. (in.)	Wire Size	Brush Length	Overall Length	Shank Diameter	RPM	Order No.	Price
1/4	.004	1	3-1/2	1/8	2,000	**MK5121332**	Price
1/2	.005	1	3-1/2	3/16	2,000	**MK5121182**	Price
1-1/2	.008	1	3-1/2	1/4	2,000	**MK5121152**	Price

WEILER Double Stem, Double Spiral Power Tube Brush - Brass Wire



Dia. (in.)	Wire Size	Brush Length	Shank Diameter	Overall Length	Order No.	Price
1/2	.006	2	5/32	5	**MK5121178**	Price
3/4	.006	2-1/2	1/4	5-1/2	**MK5121179**	Price
5/8	.0008	2	7/32	5	**MK5121219**	Price
1	.006	2-1/2	1/4	5-1/2	**MK5121218**	Price

WEILER Single Stem, Single Spiral Hand Tube Brush - Brass Wire



OAL	Wire Size	Brush Dia.	Brush Length	Shank Dia.	Order No.	Price
7	.003	1/4	1-1/2	3/32	**MK5121270**	Price
7	.003	3/16	1-1/2	3/32	**MK5121221**	Price
7	.005	1/4	1-1/2	3/32	**MK5121139**	Price
8	.004	1/2	2	1/8	**MK5121165**	Price
8	.004	3/8	2	1/8	**MK5121191**	Price

Composite Hub Nylon Abrasive Wheels



- Composite hub radial wheels offer a safe, durable alternative to wire and non-woven abrasive wheels
- Their construction and flexibility provide a long lasting wheel, less filament breakage and superior performance
- Maximum recommended RPM 3600

Dia.	Face Width	Trim Length	Filament Dia./Grit	Order No.	Price
6	1/2	1-1/2	.040/80	**MJ73GD6524080SN**	Price
6	1	1-1/2	.040/80	**MJ73GD6124080SN**	Price
6	1/2	1-1/2	.040/120	**MJ73GD6124120SN**	Price
6	1/2	1-1/2	.040/120	**MJ73GD6524120SN**	Price
6	1/2	1-1/2	.035/180	**MJ73GD6523180SN**	Price
6	1	1-1/2	.035/180	**MJ73GD6123180SN**	Price
6	1/2	1-1/2	.022/120	**MJ73GD6522120SN**	Price
6	1	1-1/2	.022/120	**MJ73GD6122120SN**	Price
6	1/2	1-1/2	.022/320	**MJ73GD6522320SN**	Price
6	1	1-1/2	.022/320	**MJ73GD6122320SN**	Price
6	1/2	1-1/2	.018/500	**MJ73GD6521500SN**	Price
6	1	1-1/2	.018/500	**MJ73GD6121500SN**	Price
8	1/2	2-1/2	.040/80	**MJ73GD8524080SN**	Price
8	1	2-1/2	.040/80	**MJ73GD8124080SN**	Price
8	1/2	2-1/2	.022/120	**MJ73GD8522120SN**	Price
8	1	2-1/2	.022/120	**MJ73GD8122120SN**	Price
8	1/2	2-1/2	.040/120	**MJ73GD8524120SN**	Price
8	1	2-1/2	.040/120	**MJ73GD8124120SN**	Price
8	1/2	2-1/2	.035/180	**MJ73GD8523180SN**	Price
8	1/2	2-1/2	.035/180	**MJ73GD8123180SN**	Price
8	1/2	2-1/2	.022/320	**MJ73GD8522320SN**	Price
8	1	2-1/2	.022/320	**MJ73GD8122320SN**	Price
8	1/2	2-1/2	.018/500	**MJ73GD8521500SN**	Price
8	1	2-1/2	.018/500	**MJ73GD8121500SN**	Price

Hex-Drive Abrasive Disc Brushes



- Designed for use in semi and fully automatic machinery, including NC, CNC and robotic machine tools
- Unique Hex-Drive™ system allows the tools to be turned in both directions for 360 finishing
- Applications include deburring, edge radiusing and general surface finishing

Dia.	Trim Length	Filament Dia./Grit	Max. RPM	Order No.	Price
2	1	.028/120	10,000	**MJ73GD21120SN**	Price
2	1	.035/180	10,000	**MJ73GD21180SN**	Price
2	1	.040/80	10,000	**MJ73GD21080SN**	Price
2	1	.045/60	10,000	**MJ73GD21060SN**	Price
2	3/4	.060/46	10,000	**MJ73GD21046SN**	Price
3	1	.028/120	10,000	**MJ73GD31120SN**	Price
3	1	.035/180	10,000	**MJ73GD31180SN**	Price
3	1	.040/80	10,000	**MJ73GD3180SN**	Price
3	1	.045/60	10,000	**MJ73GD3160SN**	Price
3	3/4	.060/46	10,000	**MJ73GD375046SN**	Price
4	1	.028/120	10,000	**MJ73GD41120SN**	Price
4	1	.035/180	10,000	**MJ73GD41180SN**	Price
4	1	.040/80	10,000	**MJ73GD41080SN**	Price
4	1	.045/60	10,000	**MJ73GD41060SN**	Price
5	1	.028/120	6,000	**MJ73GD51120SN**	Price
5	1	.035/180	6,000	**MJ73GD51180SN**	Price
5	1	.040/80	6,000	**MJ73GD51080SN**	Price
5	1	.045/60	6,000	**MJ73GD51060SN**	Price

Holders for Dot and Turbine Nampower™ Brushes



- This reusable holder allows coolant to flow through from the brush center resulting in better lubricant dispersion
- Holders are heat treated and precision ground and have a PVD coating for improved corrosion resistance

Shank Dia.	Holder Type	Order No.	Price
25mm	Standard Collet	**MJ73ADHSMP**	Price
25mm	Standard Side Lock	**MJ73ADHSMSL**	Price

Nampower™ Nylon Abrasive Turbine Style Brushes



- Ideal for medium and heavy deburring applications
- Unique combination of Silicon Carbide and Ceramic filaments cut faster and last longer
- Turbine style filament is a high density fill that is ideal for short cycle times and long tool life

Dia. (mm)	Trim Length (mm)	Grit	MSFS	Order No.	Price
100	18	80	2,200	**MJ73HD1018080SN**	Price
100	38	80	2,200	**MJ73HD1038080SN**	Price
100	18	120	2,200	**MJ73HD1018120SN**	Price
100	38	120	2,200	**MJ73HD1038120SN**	Price
100	18	180	2,200	**MJ73HD1018180SN**	Price
100	38	180	2,200	**MJ73HD1038180SN**	Price
100	18	320	2,200	**MJ73HD1018320SN**	Price
100	38	320	2,200	**MJ73HD1038320SN**	Price
125	18	80	2,200	**MJ73HD1218080SN**	Price
125	38	80	2,200	**MJ73HD1238080SN**	Price
125	18	120	2,200	**MJ73HD1218120SN**	Price
125	38	120	2,200	**MJ73HD1238120SN**	Price
125	18	180	2,200	**MJ73HD1218180SN**	Price
125	38	180	2,200	**MJ73HD1238180SN**	Price
125	18	320	2,200	**MJ73HD1218320SN**	Price
125	38	320	2,200	**MJ73HD1238320SN**	Price
150	18	80	1,800	**MJ73HD1518080SN**	Price
150	38	80	1,800	**MJ73HD1538080SN**	Price
150	18	120	1,800	**MJ73HD1518120SN**	Price
150	38	120	1,800	**MJ73HD1538120SN**	Price
150	18	180	1,800	**MJ73HD1518180SN**	Price
150	38	180	1,800	**MJ73HD1538180SN**	Price
150	18	320	1,800	**MJ73HD1518320SN**	Price
150	38	320	1,800	**MJ73HD1538320SN**	Price

Nampower™ Nylon Abrasive Dot Style Brushes



- Used for general purpose edge deburring and surface finishing applications
- The Dot style is an economical choice for light deburring applications when short cycle times are important

Dia. (mm)	Trim Length (mm)	Grit	Order No.	Price
100	18	80	**MJ73ED1018080SN**	Price
100	38	80	**MJ73ED1038080SN**	Price
100	18	120	**MJ73ED1018120SN**	Price
100	38	120	**MJ73ED1038120SN**	Price
100	18	180	**MJ73ED1018180SN**	Price
100	38	180	**MJ73ED1038180SN**	Price
100	18	320	**MJ73ED1018320SN**	Price
100	38	320	**MJ73ED1038320SN**	Price
125	18	80	**MJ73ED1218080SN**	Price
125	38	80	**MJ73ED1238080SN**	Price
125	18	120	**MJ73ED1218120SN**	Price
125	38	120	**MJ73ED1238120SN**	Price
125	18	180	**MJ73ED1218180SN**	Price
125	38	180	**MJ73ED1238180SN**	Price
125	18	320	**MJ73ED1218320SN**	Price
125	38	320	**MJ73ED1238320SN**	Price
150	18	80	**MJ73ED1518080SN**	Price
150	38	80	**MJ73ED1538080SN**	Price
150	18	120	**MJ73ED1518120SN**	Price
150	38	120	**MJ73ED1538120SN**	Price
150	18	180	**MJ73ED1518180SN**	Price
150	38	180	**MJ73ED1538180SN**	Price
150	18	320	**MJ73ED1518320SN**	Price
150	38	320	**MJ73ED1538320SN**	Price

WEILER Nylox® Abrasive Nylon Filament Brushes

Wheel Brushes

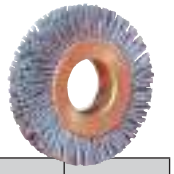


- Nylon filament is uniformly impregnated with silicon carbide thoughout
- As filament wears, new, sharp abrasive grain is constantly exposed to the work surface, providing a consistent brushing action and longer brush life
- Deburr edges on aluminum extrusions, machined and powdered metal components
- Edge blending of ferrous and non-ferrous parts
- Decorative finishing on stainless steel, aluminum and brass
- Use off-hand or in automated deburring processes
- †1/2" x 1/4" Double Keyway

O.D. (in.)	I.D. (in.)	Filament Dia. (in.)	Grit	Face Width (in.)	Trim Length (in.)	Thickness Through Arbor (in.)	Max. RPM	Order No.	Price
6	2	.022	120	1	1-1/4	1-1/16	3,600	**MK5183011**	Price
6	2	.022	320	1	1-1/4	1-1/16	3,600	**MK5183010**	Price
6	2	.035	180	1	1-1/4	1-1/4	3,600	**MK5183030**	Price
6	2	.040	120	1	1-1/4	1-1/4	3,600	**MK5183040**	Price
6	2	.040	80	1	1-1/4	1-1/16	3,600	**MK5183050**	Price
8	2	.022	120	1	2-1/4	3/4	3,600	**MK5183111**	Price
8	2	.022	320	1	2-1/4	3/4	3,600	**MK5183110**	Price
8	2	.035	180	1	2-1/4	3/4	3,600	**MK5183130**	Price
8	2	.040	120	1	2-1/4	3/4	3,600	**MK5183140**	Price
8	2	.040	80	1	2-1/4	3/4	3,600	**MK5183150**	Price
10	2	.035	120	1-1/8	2	7/8	1,800	**MK5183515†**	Price
10	2	.040	80	1-1/8	2	7/8	1,800	**MK5183516†**	Price
10	2	.035	180	1-1/8	2	7/8	1,800	**MK5183514†**	Price
12	2	.040	120	1-1/4	3	7/8	1,800	**MK5183717†**	Price
12	2	.040	80	1-1/4	3	7/8	1,800	**MK5183718†**	Price
12	2	.035	180	1-1/4	3	7/8	1,800	**MK5183716†**	Price

WEILER Nylox® Small Diameter Wheels

Silicon Carbide



- 10,000 RPM

Dia. (in.)	Filament Dia. (in.)	Grit	Arbor Hole (in.)	Face Width (in.)	Order No.	Price
1-1/2	.035	180	1/2	3/8	**MK5129353**	Price
1-3/8	.018	500†	1/4	5/16	**MK5116310**	Price
2	.018	500	1/2	3/8	**MK5117533**	Price
2	.022	320	1/2	3/8	**MK5117543**	Price
2	.040	120	1/2	3/8	**MK5117633**	Price
2-1/2	.022	320	5/8	1/2	**MK5129356**	Price
3	.035	180	1/2	1/2	**MK5129088**	Price
3	.040	120	1/2	1/2	**MK5116263**	Price

WEILER Nylox® Narrow Face Wheels

Silicon Carbide - Steel Hub



Dia. (in.)	Filament Dia. (in.)	Grit	Arbor Hole (in.)	Trim Length (in.)	Max. RPM	Thickness Through Arbor	Order No.	Price
3	.040	120	1/2-3/8	1/2	6,000	7/16	**MK5131094**	Price
4	.040	120	1/2-3/8	7/8	6,000	7/16	**MK5131124**	Price

WEILER End Brushes

Silicon Carbide-1/4" Stem



Dia. (in.)	Wire Size (in.)	Grit	Trim Length (in.)	Max. RPM	Order No.	Price
3/4	.022	320	7/8	10,000	**MK5110152**	Price
3/4	.035	180	7/8	10,000	**MK5110153**	Price
3/4	.040	120	7/8	10,000	**MK5110154**	Price
1	.022	320	7/8	10,000	**MK5110155**	Price
1	.035	180	7/8	10,000	**MK5110156**	Price
1	.040	120	7/8	10,000	**MK5110157**	Price

WEILER Nylox® Disc Brushes



- Tufted construction offers increased aggression due to added filament density
- Specially designed for automated equipment and CNC Milling Machines
- Deburring and surface finishing gears, and transmissions, aluminum extrusions
- Silicon carbide composite hub

Dia. (in.)	Grit	Filament Dia. (in.)	Arbor Hole (in.)	Trim Length (in.)	Max. RPM	Order No.	Price
6	180	.035	7/8	1-1/2	2,000	**MK5185850**	Price
6	80	.040	7/8	1-1/2	2,000	**MK5185854**	Price
6	120	.040	7/8	1-1/2	2,000	**MK5185852**	Price

WEILER Nylox® Flow-Through Drive Arbor



- Mounts disc brushes to any type of milling or CNC machine
- For 6" diameter disc brushes with 3" diameter bolt circle

Order No.	Price
MK5107701	Price

WEILER Nylox® Tube Brushes

Silicon Carbide, Double Stem, Single Spiral



Dia. (in.)	Wire Size (in.)	Grit	Length of Brush Part	Stem Dia. (in.)	OAL (in.)	Order No.	Price
1/4	.022	320	2	5/32	5	**MK5121126**	Price
3/8	.022	320	2	5/32	5	**MK5121128**	Price
1/2	.022	320	2	3/16	5	**MK5121130**	Price
5/8	.022	320	2	7/32	5	**MK5121132**	Price
11/16	.022	320	2	7/32	5	**MK5121133**	Price
3/4	.022	320	2-1/2	1/4	5-1/2	**MK5121134**	Price
7/8	.022	320	2-1/2	1/4	5-1/2	**MK5121136**	Price
1	.022	320	2-1/2	1/4	5-1/2	**MK5121138**	Price
1-1/2	.022	320	2-1/2	1/4	5-1/2	**MK5121309**	Price
1-1/2	.035	180	2-1/2	1/4	5-1/2	**MK5121308**	Price
1-1/2	.040	80	2-1/2	1/4	5-1/2	**MK5121330**	Price
1-1/4	.022	120	2-1/2	1/4	5-1/2	**MK5121304**	Price
1-1/4	.022	320	2-1/2	1/4	5-1/2	**MK5121306**	Price
1-1/4	.035	180	2-1/2	1/4	5-1/2	**MK5121305**	Price
1-3/4	.035	180	2-1/2	1/4	5-1/2	**MK5121312**	Price
1-3/4	.040	80	2-1/2	1/4	5-1/2	**MK5121311**	Price
1-3/4	.060	46	2-1/2	1/4	5-1/2	**MK5121348**	Price
2	.022	320	2-1/2	1/4	5-1/2	**MK5121473**	Price
2	.040	80	2-1/2	1/4	5-1/2	**MK5121345**	Price

WEILER Burr-Rx Tube Brushes - 1/4" Cadmium Plated Stem - Crimped Round Black Ceramic Filiment

Advantage of Burr-Rx Brushes Over Traditional NAF Brushes



- 400% Faster Cut Rate
- Benefits of Burr-Rx Aggression
- Reduce Cycle Time
- Reduce Deburring Cost- Per-Part
- Remove heavy burrs
- Deburr tough materials

Size (in.)	Dia. (in.)	Grit	Arbor Dia. (in.)	Trim Length (in.)	OAL (in.)	Order No.	Price
1	.026	120	1/4	1	3-1/2	**MK5121764**	Price
1/2	.026	120	1/4	1	3-1/2	**MK5121759**	Price
3/4	.026	120	1/4	1	3-1/2	**MK5121763**	Price
3/8	.026	120	1/4	1	3-1/2	**MK5121758**	Price
7/8	.026	120	1/4	1	3-1/2	**MK5121762**	Price

WEILER Burr-Rx Small Diameter Wheels - Metal Hub - Crimped Round Black Ceramic Filaments



Advantage of Burr-Rx Brushes Over Traditional NAF Brushes

- 400% Faster Cut Rate
- Benefits of Burr-Rx Aggression
- Reduce Cycle Time
- Reduce Deburring Cost-Per-Part
- Remove heavy burrs
- Deburr tough materials

Size (in.)	Dia. (in.)	Face Width (in.)	Grit	Arbor Dia. (in.)	Trim Length (in.)	RPM	Order No.	Price
1-1/2	.026	3/8	120	1/2	1/4	10,000	**MK5117541**	Price
1-1/4	.026	5/16	120	1/4	5/16	10,000	**MK5117551**	Price
2	.026	3/8	120	1/2	1/2	10,000	**MK5117548**	Price
2	.035	3/8	80	1/2	1/2	10,000	**MK5117555**	Price
2	.055	3/8	80	1/2	1/2	10,000	**MK5117542**	Price
2-1/2	.035	1/2	80	5/8	11/16	10,000	**MK5117557**	Price
3	.026	1/2	120	1/2	1	10,000	**MK5117565**	Price
3	.035	1/2	80	1/2	1	10,000	**MK5117567**	Price
3	.043	1/2	120	1/2	1	10,000	**MK5117568**	Price

WEILER Burr-Rx Heavy-Duty Narrow Face Wheels - Metal Hub - Crimped Round Black Ceramic Filament



Advantage of Burr-Rx Brushes Over Traditional NAF Brushes

- 400% Faster cut rate
- Benefits of Burr-Rx aggression
- Reduce cycle time
- Reduce deburring cost-per-part
- Remove heavy burrs
- Deburr tough materials

Size (in.)	Dia. (in.)	Face Width (in.)	Grit	Arbor Dia. (in.)	Trim Length (in.)	RPM	Order No.	Price
3	.026	9/16	120	5/8-1/2	1/2	6,000	**MK5131240**	Price
3	.035	9/16	80	5/8-1/2	1/2	6,000	**MK5131241**	Price
4	.026	5/8	120	5/8-1/2	1	6,000	**MK5131110**	Price
4	.035	5/8	80	5/8-1/2	1	6,000	**MK5131270**	Price
4	.043	5/8	120	5/8-1/2	1	6,000	**MK5131280**	Price
4	.055	5/8	80	5/8-1/2	1	6,000	**MK5131290**	Price

WEILER Burr-Rx Narrow Face Wheels - Metal Hub - Crimped Round Black Ceramic Filiment



Advantage of Burr-Rx Brushes Over Traditional NAF Brushes

- 400% Faster Cut Rate
- Benefits of Burr-Rx Aggression
- Reduce Cycle Time
- Reduce Deburring Cost-Per-Part
- Remove heavy burrs
- Deburr tough materials

Size (in.)	Dia. (in.)	Face Width (in.)	Grit	Arbor Hole (in.)	Trim Length (in.)	RPM	Order No.	Price
3	.035	3/8	80	1/2-3/8	1/2	6,000	**MK5131102**	Price
3	.043	3/8	120	1/2-3/8	1/2	6,000	**MK5131101**	Price
4	.026	1/2	120	1/2-3/8	7/8	6,000	**MK5186165**	Price
4	.035	1/2	80	1/2-3/8	7/8	6,000	**MK5131103**	Price
4	.043	1/2	120	1/2-3/8	7/8	6,000	**MK5131100**	Price
4	.055	1/2	80	1/2-3/8	7/8	6,000	**MK5131105**	Price
6	.026	5/8	120	5/8-1/2	7/8	4,500	**MK5131134**	Price
6	.035	5/8	80	5/8-1/2	7/8	4,500	**MK5131136**	Price
6	.043	5/8	120	5/8-1/2	7/8	4,500	**MK5131135**	Price
6	.055	5/8	80	5/8-1/2	7/8	4,500	**MK5131137**	Price

WEILER Composite Metal Hub Wheels



- 50% Higher filament density than traditional metal hub brushes - the highest in the marketplace
- Constructed with a steel shell,
- Brushes provide increased accuracy and dimensional stability to ensure consistent, efficient performance with minimal vibration during use.
- Produced with a 2" arbor hole, which allows for direct mounting on various equipment without any need for adapters

Size (in.)	Dia. (in.)	Grit	Face Width (in.)	Arbor Hole (in.)	Trim Length (in.)	RPM	Order No.	Price
6	.035	80	3/4	2	1	4,500	**MK5186181**	Price
6	.055	80	3/4	1-1/4	1-1/2	4,000	**MK5186120**	Price
6	.026	120	3/4	2	1	4,000	**MK5186123**	Price
6	.043	120	3/4	2	1	4,000	**MK5186124**	Price
8	.026	120	7/8	2	2	4,000	**MK5186126**	Price
8	.043	120	7/8	2	2	4,000	**MK5186127**	Price
8	.055	120	7/8	2	2	4,000	**MK5186128**	Price
10	.035	80	1-1/8	2 w/ 1/2x1/4 double key	2	1,800	**MK5186182**	Price
10	.055	80	1-1/8	2	2	4,000	**MK5186131**	Price
10	.026	120	1-1/8	2	2	4,000	**MK5186129**	Price
10	.043	120	1-1/8	2	2	4,000	**MK5186130**	Price

WEILER Mini Disc Brushes



- Maximum density
- Crimped rectangular black ceramic filiment

Size (in.)	Grit	Trim Length (in.)	RPM	Order No.	Price
2	80	1-1/4	4,500	**MK5185736**	Price
2	80	1-1/4	4,500	**MK5185738**	Price
3	80	1-1/4	4,500	**MK5186013**	Price
3	80	1-1/4	4,500	**MK5186014**	Price
2	80	1-1/4	4,500	**MK5185733**	Price
2	120	1-1/4	4,500	**MK5186106**	Price
2	120	1-1/4	4,500	**MK5186107**	Price
3	120	1-1/4	4,500	**MK5186109**	Price
3	120	1-1/4	4,500	**MK5186110**	Price
3	120	1-1/4	4,500	**MK5186111**	Price

WEILER Shell Mill Holder Disc Brushes



- Maxinum density
- Crimped rectangular black ceramic filiment
- Brushes are designed with a 1-1/4" arbor hole and 1/2" wide keyways which should be compatible with most 3" dia. shell mill holders

Size (in.)	Dia. (in.)	Grit	Arbor Dia. (in.)	Trim Length (in.)	RPM	Order No.	Price
4	0	80	1-1/4	1-1/2	2,500	**MK5186167**	Price
6	0	80	1-1/4	1-1/2	2,500	**MK5186198**	Price
8	0	80	1-1/4	1-1/2	2,000	**MK5186199**	Price
4	.055	80	1-1/4	1-1/2	1,800	**MK5186114**	Price
4	.026	120	1-1/4	1-1/2	2,500	**MK5186112**	Price
4	.043	120	1-1/4	1-1/2	2,500	**MK5186113**	Price
6	.055	80	1-1/4	1-1/2	1,800	**MK5186117**	Price
6	.026	120	1-1/4	1-1/2	1,800	**MK5186115**	Price
6	.043	120	1-1/4	1-1/2	1,800	**MK5186116**	Price
8	.055	80	1-1/4	1-1/2	2,000	**MK5186143**	Price
8	.026	120	1-1/4	1-1/2	1,800	**MK5186141**	Price
8	.043	120	1-1/4	1-1/2	1,800	**MK5186142**	Price

WEILER Miniature Disc Brush Drive Arbor

- Supplied with set screw and wrench for mounting
- Recommended for operations in which brush rotation alternates between forward and reverse



89033



89029

Type	Stem Dia. (in.)	Stem Length (in.)	RPM	Order No.	Price
Mandrel	1/2	1-3/4	6,000	**MK5189029**	Price
Drive Arbor	1/2	1-3/4	6,000	**MK5189033**	Price

osborn ATB™ Composite Wheel Brush — Flexible



- These brushes, with a long trim and moderate density, are ideal for applications requiring a high degree of conformability
- Applications: turbine blades, indexable cutting tool inserts, cam shafts, gears, machined parts, edge radiusing

Brush Dia. (in.)	Grit	Filament Dia. (in.)	Arbor Hole (in.)	Face Width (in.)	Trim Length (in.)	Max. RPM	Order No.	Price
6	80	.040	2	1	1-1/4	3,600	**MK6040621**	Price
6	120	.028	2	1	1-1/4	3,600	**MK6040622**	Price
6	120	.040	2	1	1-1/4	3,600	**MK6040623**	Price
6	320	.022	2	1	1-1/4	3,600	**MK6040625**	Price
8	80	.040	1-1/4	1	2-1/4	3,600	**MK6040594**	Price
8	120	.040	1-1/4	1	2-1/4	3,600	**MK6040595**	Price
8	180	.035	1-1/4	1	2-1/4	3,600	**MK6040596**	Price
8	320	.022	1-1/4	1	2-1/4	3,600	**MK6040597**	Price
10	80	.040	2	1	2-1/16	3,600	**MK6040540**	Price
10	120	.040	2	1	2-1/16	3,600	**MK6040541**	Price
10	180	.035	2	1	2-1/16	3,600	**MK6040542**	Price
10	320	.022	2	1	2-1/16	3,600	**MK6040543**	Price
12	80	.040	4-1/4	1	3	1,800	**MK6040651**	Price
12	120	.040	4-1/4	1	3	1,800	**MK6040652**	Price
12	180	.035	4-1/4	1	3	1,800	**MK6040653**	Price
12	320	.022	4-1/4	1	3	1,800	**MK6040654**	Price
14	80	.040	5-1/4	1	3-5/8	1,800	**MK6040195**	Price
14	120	.040	5-1/4	1	3-5/8	1,800	**MK6040192**	Price
14	180	.035	5-1/4	1	3-5/8	1,800	**MK6040197**	Price
14	320	.022	5-1/4	1	3-5/8	1,800	**MK6040194**	Price

osborn ATB™ Wheel Brush — Small Diameter



- For cleaning and polishing both ID and OD surfaces
- Can be used with portable tools and drill presses
- Applications: cleaning and polishing ID and OD surfaces

Brush Dia. (in.)	Grit	Arbor Hole (in.)	Face Width (in.)	Trim Length (in.)	RPM	Order No.	Price
1-1/2	120	1/2	1/4	1/4	20,000	**MK6011146**	Price
1-1/2	180	1/2	1/4	1/4	20,000	**MK6011147**	Price
1-1/2	320	1/2	1/4	1/4	20,000	**MK6011148**	Price
2	120	5/8	3/8	7/16	15,000	**MK6011149**	Price
2	180	5/8	3/8	7/16	15,000	**MK6011150**	Price
2	320	5/8	3/8	7/16	15,000	**MK6011151**	Price
2-1/2	120	5/8	3/8	11/16	15,000	**MK6011153**	Price
2-1/2	180	5/8	3/8	11/16	15,000	**MK6011154**	Price
2-1/2	320	5/8	3/8	11/16	15,000	**MK6011155**	Price
4	80	5/8	5/8	3/4	12,000	**MK6022256**	Price

osborn Adapters

Center Plates



- Used in Pairs
- †† Double Keyway 1/2" x 1/4"

Arbor Hole (in.)	Order No.	Price
4-1/4 to 2	**MK6075344**	Price
4-1/4 to 3/4	**MK6075339**	Price
5-1/4 to 1-1/4	**MK6075347**	Price
5-1/4 to 2	**MK6075350††**	Price

osborn ATB™ End Brush With Bridle



- Removable plastic bridle keeps filaments from flaring
- Applications: cleaning & finishing ID, spot facing, brushing recessed areas

Brush Dia. (in.)	Grit	Brush Area Length (in.)	OAL (in.)	Trim Length (in.)	Shank Dia. (in.)	Max. RPM	Order No.	Price
3/4	120	1	2-3/4	1	1/4	9,000	**MK6030300**	Price
1	80	1	2-3/4	1	1/4	9,000	**MK6030298**	Price
1	120	1	2-3/4	1	1/4	9,000	**MK6030301**	Price

Note: As a safety precaution, shank must be fully inserted into the chuck or collet and tightened securely.

osborn ATB™ End Brushes



- Ideal for cleaning and finshing inside diameters, spot facing and recessed areas
- Electric Tools

Brush Dia. (in.)	Grit	Brush Length (in.)	OAL (in.)	Trim Length (in.)	Shank Dia. (in.)	Max. RPM	Order No.	Price
1/2	120	1	2-3/4	1	1/4	19,000	**MK6030285**	Price
1	120	1	2-3/4	1	1/4	19,000	**MK6030293**	Price

osborn ATB™ Cup Brush — Round Trim



- Applications: engine blocks, cylinder heads, exhaust manifolds, transmission housings, water pumps & intake manifolds, bulk heads, wing spars, engine housings and components, hydraulic valve bodies, machine components, housings, gears and castings

Brush Dia. (in.)	Grit	Thread	Face Width (in.)	RPM	Order No.	Price
4	120	5/8-11	1-1/2	6,000	**MK6032125**	Price
6	120	5/8-11	1-1/2	6,000	**MK6032131**	Price

osborn ATB™ Uni-Lok Disc Brush – Max Density



- Maximum density design delivers maximum aggression for the most demanding applications
- These tools are capable of processing large burrs and generating significant edge radii on stainless steel and hardened alloys without altering the part's dimension
- Maximum density allows for minimal cycle time and longer brush life

Brush Dia. (in.)	Grit	Filament Dia. (in.)	Trim Length (in.)	Max RPM	Order No.	Price
3	80	.040	1-1/2	4,500	**MK6047021**	Price
3	120	.040	1-1/2	4,500	**MK6047023**	Price
4	80	.040	1-1/2	3,500	**MK6047027**	Price
4	120	.040	1-1/2	3,500	**MK6047029**	Price
6	80	.040	1-1/2	2,500	**MK6047039**	Price
6	120	.040	1-1/2	2,500	**MK6047041**	Price

osborn Uni-Lok Disc Brush Adapters



For Brush Dia. (in.)	Shank Dia. (in.)	Order No.	Price
3, 4, 5	3/4	**MK6047200**	Price
6, 7	3/4	**MK6047201**	Price
8	3/4	**MK6047202**	Price

Loctite® Clover® Silicon Carbide Abrasive Compounds

- Clover lapping and grinding compounds are perfectly suited for the cutting, smoothing and finishing of metal surfaces and for the precision mating of metal parts

Applications Include:

- Cleaning corroded threads
- Tool & die machining
- Lapping for surface finish & flatness
- Cleaning mold cavities
- Valve rebuilding
- Die hole lapping
- Smoothing gears fro correct tooth profile
- Removing tool marks

Grease Mix Carrier - Retains its texture and lubrication properties during extended use

Water Soluble Gel Carrier - Cleans up with water, is biodegradable.

Hazard Code: 57



				Clover® Silicon Carbide Abrasive Grease Mix		Clover® Silicon Carbide Pat Gel® Abrasive Water Soluble Gel Mix	
Grade	Grit	Description	Microns (0.001 mm)	Order No.	Price	Order No.	Price
1A	320	Fine - Finishing Valve Lapping, Bearings, Dies and Gauges	33	**MJ4039510**	Price	**MJ4039515**	Price
2A	400	Very Fine - Fine Polishing and Lapping	23	**MJ4039523**	Price	**MJ4039528**	Price
4A	600	Very Fine - Fine Polishing and Lapping	14	**MJ4039549**	Price	**MJ4039554**	Price
5A	800	Extremely Fine - Polishing High Precision Lapping	9	**MJ4039561**	Price	**MJ4039566**	Price
6A	1000	Extremely Fine - Polishing High Precision Lapping	5	**-**	-	**MJ4039579**	Price
7A	1200	Extremely Fine - Polishing High Precision Lapping	3	**MJ4039587**	Price	**MJ4039592**	Price
A	280	Fine - Finishing Valve Lapping, Bearings, Dies and Gauges	44	**MJ4039401**	Price	**MJ4039406**	Price
B	240	Medium Fine - Cylinder Lapping	63	**MJ4039413**	Price	**-**	-
C	220	Medium Fine - Cylinder Lapping	66	**MJ4039426**	Price	**-**	-
D	180	Medium - General purpose for controlled metal removal	86	**MJ4039439**	Price	**-**	-
E	120	Coarse -The initial "cut" fast removal of metal	142	**MJ4039452**	Price	**-**	-
F	100	Coarse -The initial "cut" fast removal of metal	173	**-**	-	**MJ4039468**	Price
G	80	Coarse -The initial "cut" fast removal of metal	267	**MJ4039473**	Price	**MJ4039478**	Price

Diamond Polishing and Lapping Compounds

All Compounds are Uniformly and Permanently Blended

- For heavy stock removal and precision finishing
- **Compounds are oil soluble**
- **Disposable plastic syringe to protect against impurities and for convenience**

Applications Include:

- Striking dies, heading dies
- Carbide drawing dies, injection molds
- Ceramic, steel and carbide tools



Final Finishing for most applications							
				18 Gram		5 Gram	
Color	Grade	Micron Size	Concentration	Order No.	Price	Order No.	Price
Green	9	8 - 12	Heavy	**MJ569H18**	Price	**MJ569H5**	Price
Green	9	8 - 12	Medium	**MJ569M18**	Price	**MJ569M5**	Price
Orange	6	4 - 8	Heavy	**MJ566H18**	Price	**MJ566H5**	Price
Orange	6	4 - 8	Medium	**MJ566M18**	Price	**MJ566M5**	Price
Yellow	3	2 - 4	Heavy	**MJ563H18**	Price	**MJ563H5**	Price
Yellow	3	2 - 4	Medium	**MJ563M18**	Price	**MJ563M5**	Price

Preparatory finishing for Carbide, hardened steel, sapphire, beryillium, copper etc.							
				18 Gram		5 Gram	
Color	Grade	Micron Size	Concentration	Order No.	Price	Order No.	Price
Blue	15	10 - 20	Heavy	**MJ5615H18**	Price	**MJ5615H5**	Price
Blue	15	10 - 20	Medium	**MJ5615M18**	Price	**MJ5615M5**	Price
Brown	45	30 - 60	Heavy	**MJ5645H18**	Price	**MJ5645H5**	Price
Brown	45	30 - 60	Medium	**MJ5645M18**	Price	**MJ5645M5**	Price
Red	30	20 - 40	Heavy	**MJ5630H18**	Price	**MJ5630H5**	Price
Red	30	20 - 40	Medium	**MJ5630M18**	Price	**MJ5630M5**	Price

Also available in other Micro sizes, concentrations & 5 gram jars. P.O.A.

Abrasive Finishing Compounds

- For lapping gages, dies, molds, gears, glass, etc.
- 1 lb plastic squeeze bottle, pre-mixed
- Soluble with water or kerosene
- Aluminum Oxide Fused Type -for soft metals, low stock removal and polishing
- Silicon Carbide Type - for hard metals, and high stock removal
- Garnet Type - for glass finishing and difficult cleaning jobs
- Aluminum Oxide Unfused Type for soft metals, minimal stock removal and fine finish
- Hazard Code:58



Abrasive Type	Grit	Order No.	Price
Fused Aluminum Oxide Brown	800	**MJ57AXF**	Price
Fused Aluminum Oxide Brown	400	**MJ57AF**	Price
Fused Aluminum Oxide Brown	240	**MJ57AM**	Price
Fused Aluminum Oxide Brown	120	**MJ57AC**	Price
Silicon Carbide	800	**MJ57CXF**	Price
Unfused Aluminum Oxide White	1200	**MJ57UAXXF**	Price
Unfused Aluminum Oxide White	800	**MJ57UAXF**	Price
Unfused Aluminum Oxide White	400	**MJ57UAF**	Price
Silicon Carbide	400	**MJ57CF**	Price
Silicon Carbide	240	**MJ57CM**	Price
Silicon Carbide	120	**MJ57CC**	Price

5-Lb., 25-Lb. and 100-Lb. containers are available • P.O.A.

Diamond Polishing and Lapping Compounds



- Performs on all materials - hard and soft
- Excellent for mold, die and tool polishing, polishing to final tolerance of ceramic parts, initial charging of lapping plates and discs, and other processes that require mirror finish and close tolerance performance
- Use oil soluble when solvent is used for clean-up and water soluble when soap/water is used for clean-up
- Diamond powders uniformly distributed in a liquid vehicle
- Easy to use plastic syring

New!

Size - 18 Gram				
Color	Grade	Micron Size	Order No.	Price
Auburn	20	15 - 25	**MH63DLC00407**	Price
Auburn	20	15 - 25	**MH63DLC00408**	Price
Black	90	80 - 100	**MH63DLC00415**	Price
Blue	15	12 - 22	**MH63DLC00406**	Price
Blue	15	12 - 22	**MH63DLC91154**	Price
Brown	45	36 - 45	**MH63DLC91164**	Price
Gray	1/4	0 - 1/2	**MH63DLC00391**	Price
Gray	1/4	0 - 1/2	**MH63DLC00392**	Price
Green	9	8 - 12	**MH63DLC00402**	Price
Green	9	8 - 12	**MH63DLC91149**	Price
Ivory	1	0 - 2	**MH63DLC00396**	Price
Ivory	1	0 - 2	**MH63DLC91134**	Price
Light Gray	1/2	0 - 1	**MH63DLC00394**	Price
Orange	6	4 - 8	**MH63DLC00399**	Price
Orange	6	4 - 8	**MH63DLC00400**	Price
Purple	60	54 - 80	**MH63DLC00413**	Price
Red	30	22 - 36	**MH63DLC00409**	Price
Yellow	3	2 - 4	**MH63DLC00398**	Price
Yellow	3	2 - 4	**MH63DLC91139**	Price

Size - 5 Gram				
Color	Grade	Micron Size	Order No.	Price
Aqua	12	9 - 15	**MH63DLC00376**	Price
Black	90	80 - 100	**MH63DLC00389**	Price
Black	90	80 - 100	**MH63DLC00390**	Price
Blue	15	12 - 22	**MH63DLC00379**	Price
Blue	15	12 - 22	**MH63DLC91153**	Price
Brown	45	36 - 45	**MH63DLC00384**	Price
Brown	45	36 - 45	**MH63DLC91163**	Price
Gray	1/4	0 - 1/2	**MH63DLC00362**	Price
Gray	1/4	0 - 1/2	**MH63DLC91123**	Price
Green	9	8 - 12	**MH63DLC00375**	Price
Green	9	8 - 12	**MH63DLC91148**	Price
Ivory	1	0 - 2	**MH63DLC00368**	Price
Ivory	1	0 - 2	**MH63DLC91133**	Price
Light Gray	1/2	0 - 1	**MH63DLC00363**	Price
Light Gray	1/2	0 - 1	**MH63DLC00417**	Price
Orange	6	4 - 8	**MH63DLC00372**	Price
Orange	6	4 - 8	**MH63DLC91143**	Price
Purple	60	54 - 80	**MH63DLC00386**	Price
Purple	60	54 - 80	**MH63DLC00388**	Price
Red	30	22 - 36	**MH63DLC00383**	Price
RED	30	22 - 36	**MH63DLC91158**	Price
Yellow	3	2 - 4	**MH63DLC00667**	Price
Yellow	3	2 - 4	**MH63DLC91138**	Price

Goblet Buffs



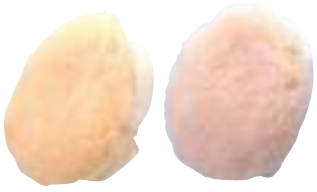
- Used for cutting or coloring with Red Lion Greaseless for Satin Finishing or a mirror finish
- Used on two surfaces–the top and sides
- For any inside surface where the sides and bottom must be finished

	Cylinder End		Round End		Square End		Tapered	
Size (in.)	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1-1/2	-	-	MG95599R112GB	Price	MG95599S112GB	Price	MG95599T112GB	Price
2	MG95599C200GB	Price	MG95599R200GB	Price	MG95599S200GB	Price	MG95599T200GB	Price
2-1/2	MG95599C212GB	Price	MG95599R212GB	Price	MG95599S212GB	Price	MG95599T212GB	Price
3	MG95599C300GB	Price	MG95599R300GB	Price	MG95599S300GB	Price	MG95599T300GB	Price
3-1/2	MG95599C312GB	Price	MG95599R312GB	Price	MG95599S312GB	Price	MG95599T312GB	Price
4	-	-	MG95599R400GB	Price	MG95599S400GB	Price	-	-
5	-	-	MG95599R500GB	Price	MG95599S500GB	Price	-	-
6	-	-	MG95599R600GB	Price	MG95599S600GB	Price	-	-

1/4" Shank Mandrel for Goblet Buff: MG95-505TM

Premium Polishing Bonnets

Durable, High Quality Compound / Polishing-buffing Bonnets



- Heavy drawstring ties adjust to all backing pads
- Wool Blend – Completely uniform pile and density
- Withstands multiple cleanings and machine washings

Dia. (in.)	Order No.	Price
6	MG95PB5WB	Price
7	MG95PB7WB	Price

Durable Denim Buffing Wheels



- Longer lasting for higher production
- Heavy duty cut–good color
- Good all-a-round buffing wheels
- 3/8" Spiral sewn
- 1/2" Arbor hole

Dia. (in.)	Order No.	Price
6	MG95DB0638	Price
8	MG95DB0838	Price
10	MG95DB1038	Price

CGW Felt / Cotton Buffing Flap Discs - Type 27



- Flexible felt/wool disc easily works with contoured surfaces for consistent polishing action
- Fast mirror finishes
- Use on stainelss steel, aluminun, sheet metal mild steel and brass
- CGW White (1200 Grit) Compound for aluminum, steel, and stainless steel
- **MUST USE WITH BUFFING COMPOUND**

Dia. (in.)	Hole (in.)	RPM	Order No.	Price
4-1/2	7/8	13300	MG9049698	Price
5	7/8	12200	MG9049699	Price

CGW Polishing Compound



- Compound will not discolor metals
- White SS51 (1200 Grit) compound hels buff aluminum, steel, stainless and natural stone to the desired finish without adding scratches
- High gloss

Grit	Order No.	Price
1200	MG9049652	Price

Felt Bobs

Made in four densities: **S** (Soft), **M** (Medium), **H** (Hard), and **RH** (Rock Hard).

Please specify Order No. and Density when ordering.

Standard Shaped Felt Bobs



Order No. MJ59MS1 1/2 × 1 × 1/8" Price Price

Order No. MJ59MS3 1/2 × 1 × 1/8" Price Price

Order No. MJ59MS4 1/2 × 3/4 × 1/8" Price Price

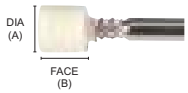
Order No. MJ59MS6 1/2" Dia. Price Price

Other shaped sizes available upon request.

Standard Plain Felt Bobs

Other sizes available upon request.

Dia. (A)	Face (B)	Mandrel (C)	Order No.	Price
1/4"	1/4"	1/8"	MJ59MP1	Price
3/8"	1/2"	1/8"	MJ59MP4	Price
1/2"	1/2"	1/8"	MJ59MP5	Price
3/4"	3/4"	1/8"	MJ59MP8	Price
1"	1"	1/4"	MJ59MP11	Price



Wendt USA Wheel Arbor for Quad-Keyway

New!



Shank Dia. (in.)	RPM	For Use With	Order No.	Price
3/4	5000	4" Wide x 3/4 Keway arbor	MJ69999930	Price

Wendt USA Felt Polishing Flap Rolls



- Felt Rolls are used in combination with a bufing or polishing comound to produce up to a mirror finish
- The individual flaps are flexible and allow a cool air flow
- Made from 70% wool and a designed to tackle large surface areas

New!

Size (in.)	Grit	Order No.	Price
4-1/4 x 2 x 5/8-11	Soft	MJ69323811	Price
4-1/4 x 4 x 5/8-11	Soft	MJ69323831	Price
4 x 2 x 3/4 keyway	Soft	MJ69323801	Price
4 x 4 x 3/4 keyway	Soft	MJ69323821	Price

Superior Abrasives Quick Change Buffing Discs



- Non-abrasive material to carry abrasive media
- Absorbent fibers allow for cushioned control in final finishing
- Ideal flat surfaces such as stainless, brass, and aluminum
- 2" Holder MM59-64922, 3" Holder MM59-64949

Size (in.)	Order No.	Price
2	MM6440547	Price
3	MM6440548	Price

Felt Polishing Flap Discs

Type 27 (Flat)



- Flap discs of 100% wool felt affixed to a fiberglass backing plate to create a thick polishing pad
- The individual flaps are flexible, and allow a cool air flow
- Felt discs are used with polishing compounds or pastes to provide up to a mirror finish. Ideal for work on irregular or contoured surfaces
- Felt products should always be run at lower speeds than coated abrasives this will extend disc life and improve the finish
- Minimum ordering quantities would apply



Available in other densities:

- D=Flap Thickness, H=Felt Density
- Custom products also available in less dense (H18) and more dense (H52) grades of felt

				Extra Flexible		Std Flexibility	
Dia. (in.)	Hole Size (in.)	Max RPM	Std. Pkg.	Order No.	Price	Order No.	Price
4-1/2	5/8-11	10,000	5	**MJ6945626**	Price	**MJ6945621**	Price
4-1/2	7/8	10,000	5	**MJ6945616**	Price	**MJ6945611**	Price

Optimum RPM for best results: 1,650 - 2,500

Felt Polishing Mni Flap Discs

New!



- Mini Felt Polishing Flap Discs are made from 70% wool felt affixed to a plastic backing plate to create a thick polishing pad
- The individual flaps are flexible and allow a cool air flow
- Used with polishing compounds or pastes to provide up to a mirror finish

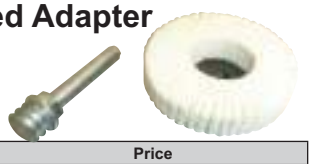
Style - Internal Thread					
		Medium		Soft	
Dia. (in.)	RPM	Order No.	Price	Order No.	Price
2	19100	**MJ69245682**	Price	**MJ69245681**	Price
3	12700	**MJ69245692**	Price	**MJ69245691**	Price

Style - Type R					
		Medium		Soft	
Dia. (in.)	RPM	Order No.	Price	Order No.	Price
2	19100	**MJ69245683**	Price	**MJ69245680**	Price
3	12700	**MJ69245693**	Price	**MJ69245690**	Price

1/4" Shank Threaded Adapter

- Fits both 2" and 3" Wendt Mini Flap Discs with internal thread

New!



Order No.	Price
MJ69230999	Price

Mini Felt Polishing Flap Wheels

New!



- Mounted Felt Flap Wheels replace cotton bobs, buffs, and solid points in polishing applications
- Made from 70% wool felt and will not burn or smear the workpiece
- Used with polishing compounds or pastes to provide up to a mirror finish

Dia. (in.)	Face Width (in.)	Shank Size (in.)	Grit Size	RPM	Std. Pack	Order No.	Price
3/4	3/4	1/8	MEDIUM	15000	10	**MJ69122602**	Price
1	1	1/8	MEDIUM	15000	10	**MJ69122622**	Price

Unmounted Felt Polishing Flap Wheels

- Made from 70% wool felt and will not burn or smear the workpiece
- Unique flap construction is flexible and runs cooler
- Used with polishing compounds or pastes to provide up to a mirror finish

New!



Dia. (in.)	Face Width (in.)	Hole Size (in.)	RPM	Order No.	Price
6	1	1	3700	**MJ69346051**	Price
6	2	1	3200	**MJ69346111**	Price

Felt Straight Cartridge Rolls & Mandrels

New!

- Coiled construction gives you the advantage of always using clean felt only by peeling off the top felt layer & cutting it back
- Made from 70% wool felt affixed to a plastic backing plate to create a thick polishing pad
- Used with polishing compounds or pastes to provide up to a mirror finish

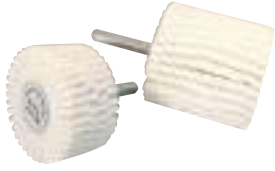


Type - Polishing Cartridge Roll			
Size	Grit	Order No.	Price
5/16 x 1 x 1/8	Medium	**MJ69159651**	Price
1/2 x 1 x 1/8	Medium	**MJ69159661**	Price
1/2 x 1 x 1/8	Medium	**MJ69160801**	Price
1/2 x 1-1/2 x 1/8	Medium	**MJ69159671**	Price

Type - Polishing Cartridge Roll Mandrel		
Size	Order No.	Price
1/8 x 3/4 x 1/8	**MJ69161811**	Price
3/4 x 1/8 x 1	**MJ69161821**	Price
1 x 1/8 x 1	**MJ69161813**	Price
1 x 1/8 x 1/4	**MJ69161827**	Price

Felt Polishing Mounted Flap Wheel Brushes

New!



- Mounted Felt Flap Wheels replace cotton bobs, buffs, and solid points in polishing applications
- Made from 70% wool felt and will not burn or smear the workpiece
- Used with polishing compounds or pastes to provide up to a mirror finish

Dia. (in.)	Face Width (in.)	Shank Size (in.)	Grit Size	RPM	Std. Pack	Order No.	Price
2	1	1/4	Medium	13700	10	**MJ69120762**	Price
2	2	1/4	Medium	13700	10	**MJ69120772**	Price
3	1	1/4	Medium	8600	10	**MJ69120782**	Price
3	2	1/4	Medium	8600	10	**MJ69120792**	Price

Felt Polishing Mounted Flap Wheels

New!



- Mounted Felt Flap Wheels replace cotton bobs, buffs, and solid points in polishing applications
- Made from 70% wool felt and will not burn or smear the workpiece
- Used with polishing compounds or pastes to provide up to a mirror finish

Dia. (in.)	Face Width (in.)	Shank Size (in.)	Grit	Std. Pack	Order No.	Price
1	1	1/4	MEDIUM	10	**MJ69120622**	Price
2	1	1/4	MEDIUM	10	**MJ69120662**	Price
2	2	1/4	MEDIUM	10	**MJ69120672**	Price
3	1	1/4	MEDIUM	10	**MJ69120682**	Price
3	2	1/4	MEDIUM	10	**MJ69120702**	Price

Cotton Buffing Wheels - Mounted, Sewed, Loose and Bias

Types available: Mounted, Sewed, Loose, Bias

- Polish and buff metals or plastics
- Remove scratches, burn marks; improve finish
- Wheels are faced, giving true running and long life
- Ready for compound
- Mounted - Used for Off-Hand Polishing
- Sewed - For Firmness in Buffing and Cutting
- Loose - For High Lustre and Satin Finish
- Bias - For Faster Results and Long Life



Style - Bias Type					
Dia. (in.)	Ply	Hole (in.)	Thickness (in.)	Order No.	Price
6	15	1/2	1/2	**MG95603**	Price
8	15	1/2	1/2	**MG95803**	Price

Style - Loose Type						
Dia. (in.)	Ply	Hole (in.)	Thickness (in.)	Shank Size (in.)	Order No.	Price
6	20	1/2	1/2	-	**MG95601**	Price
8	20	1/2	1/2	-	**MG95801**	Price
10	20	1-1/4	1/4	1	**MG951001**	Price

Style - Mounted Type				
Dia. (in.)	Thickness (in.)	Shank Size (in.)	Order No.	Price
2	1	1/4	**MG9520M**	Price
3	1	1/4	**MG9530M**	Price

Style - Sewed Type					
Dia. (in.)	Ply	Hole (in.)	Thickness (in.)	Order No.	Price
6	20	1/2	1/2	**MG95602**	Price
8	20	1/2	1/2	**MG95802**	Price
10	20	1-1/4	1/4	**MG951002**	Price

Reducer bushings are available with 1", 3'4" and 5/8" holes.
See Index for reducer bushings.

Ventilated Bias Type

- More aggressive with 16 ply ruffle construction
- Longer life, cooler with ventilated center
- Grade 86/82 sheeting - untreated and treated
- **Untreated:** General purpose use - color buffing on light metals, cutting plastics and soft metals
- **Treated:** Stiff yellow sheeting for all purpose cutting non ferrous metals



				Treated - Stiff Yellow Sheeting for Non-Ferrous Metals		Untreated - General Purpose Use	
Dia. (in.)	Center Dia. (in.)	Flange Size † (in.)	Arbor Hole (in.)	Order No.	Price	Order No.	Price
8	3	4	3/4	**MG95180**	Price	**MG95140**	Price
10	3	4	3/4	**MG95157**	Price	**MG95150**	Price
12	5	6	1-1/4	**MG95158**	Price	**MG95151**	Price
14	5	6	1-1/4	**MG95159**	Price	**MG95152**	Price
16	7	8	1-1/4	**MG95160**	Price	**MG95153**	Price

† Note: OSHA regulations require use of flanges for safety.

1" Thick Buffing Wheels

With Telescopic Reducer Bushings to fit 1", 3/4", 5/8" & 1/2" Shafts



Dia. (in.)	Ply	Style	Order No.	Price
6	80	Loose Type	**MG95604**	Price
6	80	Sewed Type	**MG95605**	Price

Industrial Size Buffing Compound — Blister Packed

- White Rouge - For polishing chrome and stainless steel; 20 oz
- Emery - Black; For buffing steel, stainless and other ferrous metals (coarser than White Rouge); 16 oz
- Red Rouge - Jewelers Rouge; For brass, copper and other soft non-ferrous metals; 20 oz
- Tripoli - Brown; For non-ferrous metals (coarser than Red Rouge); 16 oz



Color	Description	Order No.	Price
Emery	For Steel/Other Ferrous Metals	**MG9562512**	Price
Red Rouge	For Brass/Copper	**MG9562515**	Price
Tripoli	For Non-Ferrous Metals	**MG9562513**	Price
White Rouge	For Chrome/Stainless Steel	**MG9562514**	Price

Cake size buffing compound also available.
Price on Request. - Ideal for do-it yourselfer and industrial user!

Greaseless Abrasive Compound

- Turn your buff into a flexible grinding wheel
- Ideal for aggressive removal of material prior to buffing
- Provides a satin or semi-bright finish. Various uses include polishing, burr removal, scratch finish, etc
- Tubes approx. 2-1/2 lbs (poly bag)
- Greaseless Compound Set - 10 lbs



Grit	Color	Order No.	Price
80	Blue	**MG9521118080B**	Price
120	Yellow	**MG9521118120Y**	Price
220	Green	**MG9521118220G**	Price
320	Red	**MG9521118320R**	Price
1ea. 80, 120, 220, 320	1 ea. Blue, Yellow, Green, Red	**MG95211180SET**	Price

STANDARD ABRASIVES Quick Change Felt Polishing Discs

- Final finishing on Aluminum, Brass and Chrome, when used with a metal polish
- Polishing small or tight areas, using small diameter discs
- Polishing large, open areas, using large diameter discs



		Rol-On		Turn-On	
Dia. (in.)	Material	Order No.	Price	Order No.	Price
1	Felt	-	-	**MM30840100**	Price
2	Felt	**MM30840380**	Price	**MM30840300**	Price
3	Felt	**MM30840480**	Price	**MM30840400**	Price

Monroe Fluid Technology Cool-Tool II® Cutting Tapping Fluid

- Excellent performance on: Aluminum, Inconel, Titanium, Stainless Steel, Certain Plastics
- Not to be mixed with water



Size	Hazard Code	Order No.	Price
4 oz.	HAZ57	**LK5003004**	Price
16 oz. Aerosol	HAZ03	**LK5003017**	Price
1 Pint	HAZ57	**LK5003016**	Price
1 Gallon	HAZ57	**LK5003102**	Price
5 Gallon	HAZ58	**LK5003050**	Price
50 Gallon	HAZ06	**LK5003500†**	Price

†All 50 Gallon Drums FOB Factory

LPS Tapmatic® TriCut

- Excellent for stainless steel, not recommended for aluminum
- Provides smooth, accurate cutting action
- Flows directly to cutting edge
- Extends tool life
- Improves surface finish, reduces friction, suitable for high & low speed applications
- Non-corrosive to steel
- Allows increased removal rates
- Synthetic oil-based



Size	Hazard Code	Order No.	Price
16 oz	HAZ57	**LJ6005316**	Price
1 Gallon	HAZ57	**LJ6005328**	Price

LPS Tapmatic® #1 Gold

- Great on all metals
- Excellent for low speed, high pressure applications
- Minimizes cutting torque
- Does not contain chlorinated paraffins, water, solvents or inactive fillers
- Safe on all metals
- Aerosol provides a pinpoint stream with foaming action that is ideal for vertical applications



Size	Hazard Code	Order No.	Price
11 oz Aerosol	HAZ03	**LJ6040312**	Price
1 Pint	HAZ57	**LJ6040320**	Price
1 Gallon	HAZ57	**LJ6040330**	Price
5 Gallon	HAZ58	**LJ6040340**	Price

Ashburn Mike-O-Cut No. 87 Extreme Duty Tapping Fluid

MIKE-O-CUT 87 is an extreme duty drilling and tapping fluid. It does not contain 1,1,1 Tri-chloro-ethane and is considered environmentally safe. It is thick like honey and will stick to your taps

Advantages:

- Direct equivalent to Morse Cutting & Tapping Fluid
- Does not contain 1,1,1 Trichloroethane
- Extended tool life
- Improves finish and size
- Will not evaporate
- Non-toxic



Size	Hazard Code	Order No.	Price
16 oz	HAZ57	**LK70D133216**	Price
1 Gallon	HAZ57	**LK70D133311**	Price
5 Gallon	HAZ58	**LK70D133405**	Price
55 Gallon	HAZ06	**LK70D133555†**	Price

†All 55 Gallon Drums FOB Factory

Tap Magic Pro Tap™

- Effective for all cuts, all metals
- Original biodegradeable formula



Size	Hazard Code	Order No.	Price
4 oz	HAZ57	**LJ5030004P**	Price
1 Pint	HAZ57	**LJ5030016P**	Price
1 Gallon	HAZ57	**LJ5030128P**	Price
5 Gallon	HAZ58	**LJ5030640P**	Price
30 Gallon	HAZ06	**LJ5033840P†**	Price
55 Gallon	HAZ06	**LJ5037040P†**	Price

† All 30 & 55 Gallon Drums FOB Factory

Tap Magic with EP Xtra

- Ozone-friendly for any cut on any metal
- Without equal on hard metals



Size	Hazard Code	Order No.	Price
4 oz	HAZ57	**LJ5010004E**	Price
16 oz	HAZ57	**LJ5010016E**	Price
1 Gallon	HAZ57	**LJ5010128E**	Price
5 Gallon	HAZ58	**LJ5010640E**	Price
30 Gallon	HAZ06	**LJ5013840E†**	Price
55 Gallon	HAZ06	**LJ5017040E†**	Price

† All 30 & 55 Gallon Drums FOB Factory

Monroe Fluid Technology Astro-Cut SYN

- Heavy-duty oil free synthetic cutting and grinding fluid concentrate
- Superior machining lubrication on most metals except magnesium, excellent on cast iron
- Very low foam
- Water extendable
- Nitrite free and Phenol free
- Resistant to damage from tramp oil
- Long tank life



Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LK500030105**	Price
55 Gallon	HAZ06	**LK500030155†**	Price

† All 55 Gallon Drums FOB Factory

Ashburn Ozone Safe Tapping Fluid

MIKE-O-CUT

A solvent-based tapping and drilling fluid designed to replace 1,1,1 trichloroethane-based tapping fluids

- Evaporates quickly
- Leaves no residue
- Superior finish and size
- Not considered an ozone-depleting agent



Size	Hazard Code	Order No.	Price
16 oz	HAZ08	**LK70D110216**	Price
1 Gallon	HAZ08	**LK70D110311**	Price
5 Gallon	HAZ58	**LK70D110405**	Price
55 Gallon	HAZ06	**LK70D110555†**	Price

†All 55 Gallon Drums FOB Factory

CC-22 Cutting Oil

New!



- CC 22 designed for light and medium duty metal cutting and metal forming operations
- Economically formulated oil is manufactured under the same quality control standards set for all Hangsterfer's products
- Superior lubrication for the machine tool as well as the cutting and forming operations
- CC 22 provides benefits in productivity, equipment life and environmental compliance

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**NH101085**	Price
55 Gallon	HAZ06	**NH101084**	Price

Hard-Cut 5418 All-Around Cutting Oil

New!



- Hard-Cut 5418, an outstanding all-around cutting oil, can be used in swiss style automatics, milling machines or light stamping
- Improved tool life and surface qualities by as much as 300%
- In addition to the lubricity provided at the cutting zone, our cutting oils provide excellent lubrication for the machine's slides, guide bushings, bearings, and spindles

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**NH101191**	Price
55 Gallon	HAZ06	**NH101187**	Price

Hard-Cut 5618 Straight Cutting Oil

New!



- Highly recommended for use on stainless steels, hardened steels, high nickel alloys, titanium and aircraft aluminums
- Formulated in various viscosities and with various levels of Extreme Pressure (EP) additives
- Reduced smoke, cleaner machines, low odor and non-irritating are just some of the benefits
- Ultra-light viscosity oil that is best used on the machining of small parts
- Useful in grinding applications where other light oils have been used, especially applications using a CBN or diamond wheel

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**NH101200**	Price
55 Gallon	HAZ06	**NH101199**	Price

PC 20 & 45 Polar Cutting Oil

New!



- Very high flash point chemistry
- Speeds and feeds are maximized
- Polar cutting technology
- Especially suited for diamond and ceramic tools
- Chlorine and hydrocarbon free
- Renewable green chemistry
- Non-irritating and non-toxic
- Excellent oxidation stability

Size	For Cutting	Hazard Code	Style	Order No.	Price
5 Gallon	5/8" & Below	HAZ58	PC20	**NH101319**	Price
55 Gallon	5/8" & Below	HAZ06	PC20	**NH101318**	Price
5 Gallon	5/8" & Above	HAZ58	PC45	**NH101325**	Price
55 Gallon	5/8" & Above	HAZ06	PC45	**NH101324**	Price

TRIM® MicroSol® 685

High Lubricity Semi-Synthetic Metalworking Fluid

- Excellent alternative to chlorinated soluble oils
- Reduces oil mist and residues often associated with high-lubricity alternatives
- Contains no nitrites, triazines, phenols, or sulfurized EP additives
- Provides superior corrosion inhibition on all ferrous and nonferrous metals
- Forms stable micro-emulsion in hard water environments
- Used with aluminum, magnesium and copper alloys, cast iron, steels, stainless steels, and many plastics and composites
- Keeps machines very clean for reduced maintenance
- Has exceptional sump life without the use of tank side additives
- Requires no special disposal or recycling techniques

New!



Container Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**MS656320**	Price
5 Gallon	HAZ58	**MS656325**	Price
54 Gallon	HAZ06	**MS656330†**	Price

† All 54 Gallon Drums FOB Factory

TRIM® E206

Long Life Emulsion

New!



- Versatile product works in heavy-duty broaching, gear hobbing, surface and centerless grinding, and replacing straight oil on some types of screw machineS
- Contains highly effective extreme-pressure additives to control built-up edge
- Compatible with all ferrous and nonferrous materials
- Extremely stable emulsion to reduce carry-off and to facilitate getting the fluid to the point of cut
- Rejects tramp oil to help extend sump life and increase recycling options
- Leaves a soft fluid film to prevent sticky ways, chucks, tool holders, and fixtures
- Coolant residue is easily removed with water, working solution, or aqueous cleaners
- Easy recycling or disposal with conventional techniques and equipment

Container Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**MS656000**	Price
5 Gallon	HAZ58	**MS656005**	Price
54 Gallon	HAZ06	**MS656010†**	Price

† All 54 Gallon Drums FOB Factory

TRIM® MicroSol® 585XT

Extended Life Non-Chlorinated Semi-Synthetic

- Extends useful life without the need for tank-side biocides or fungicides
- Low foaming ideal for high-pressure, high-volume applications
- Compatible with cast iron, steels, copper, titanium, and aluminum alloys, plastics and composites
- Cooling and lubricity for titanium machining applications
- Corrosion inhibition on cast iron and eliminates "hot chip" and clinkering problems
- Excellent alternative to chlorinated soluble oils on high-silica aluminum alloys
- Contains no nitrites, triazines, phenols, chlorinated, or sulfurized EP additives
- Provides superior corrosion inhibition on all ferrous and nonferrous metals
- Keeps machines very clean for reduced maintenance
- Requires no special disposal or recycling techniques

New!



Container Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**MS656240**	Price
5 Gallon	HAZ58	**MS656245**	Price
54 Gallon	HAZ06	**MS656250†**	Price

† All 54 Gallon Drums FOB Factory

Rustlick™ RTD Premium Reaming, Tapping & Drilling Fluid



- Compatible with coolants; actually fortifies coolants with additional lubricity
- Silicone free; no-solvents
- Boosts tool life
- Does not leave sticky residue
- Contains chlorine and sulfur

Size	Temperature Range	Hazard Code	Order No.	Price
12 oz	212°F (FlashPoint)	HAZ57	**LK6069016**	Price
1 Gallon	212°F (FlashPoint)	HAZ57	**LK6069001**	Price
5 Gallon	212°F (FlashPoint)	HAZ58	**LK6069005**	Price

A-9® A-9 Alumnum Cutting Oil

All 30 & 55 gallon drums F.O.B. factory.



- Eases all operation on aluminum: milling, broaching, drilling, threading, tapping reaming, sawing, etc
- Contains anti-mist component for a healthier work environment
- Contains a scientific blend of chemicals that attach themselves to aluminum surfaces, forming an extreme-pressure boundary lubricant between tool and work surface

Size	Hazard Code	Order No.	Price
4 oz	HAZ57	**LJ5504ZA9**	Price
16 oz	HAZ57	**LJ55PNTA9**	Price
1 Gallon	HAZ57	**LJ5501GA9**	Price
5 Gallon	HAZ58	**LJ5505GA9**	Price
55 Gallon	HAZ06	**LJ5555GA9†**	Price

† All 55 Gallon Drums FOB Factory

Rapid Tap All Metal Cutting Fluid and Paste



- Greatly extended tool life
- Super-fine machined finish in operation after operation
- Anti-mist protection for a healthier work environment
- No special labeling or reporting
- Excels in tough materials
- Contains no 1, 1, 1-trichloroethane or other ozone-depleting chemicals

Size	Hazard Code	Order No.	Price
4 oz	HAZ57	**LJ5504ZNRT**	Price
8 oz	HAZ57	**LJ5508ZNRTP**	Price
16 oz	HAZ57	**LJ55PNTNRT**	Price
1 Gallon	HAZ57	**LJ5501GNRT**	Price
5 Gallon	HAZ58	**LJ5505GNRT**	Price
55 Gallon	HAZ06	**LJ5555GNRT†**	Price

†All 55 Gallon Drums FOB Factory

Tap Magic® Aluminum



- The most effective cutting fluid you can use for work on aluminum

Size	Hazard Code	Order No.	Price
4 oz	HAZ57	**LJ5020004A**	Price
16 oz	HAZ57	**LJ5020016A**	Price
1 Gallon	HAZ57	**LJ5020128A**	Price
5 Gallon	HAZ58	**LJ5020640A**	Price
30 Gallon	HAZ06	**LJ5023840A†**	Price
55 Gallon	HAZ06	**LJ5027040A†**	Price

† All 30 & 55 Gallon Drums FOB Factory

Super All-Tap Cutting Oil



- Recognized as the ultimate in high quality tapping compounds
- Heavy-duty compound used for severe thread cutting and thread forming operations
- Offers superior lubrication for the tool provides benefits in productivity and tool life
- Non-toxic formulation is designed for operator safety
- Due to its ability to emulsify into water this product is excellent for machines using coolants since it will easily wash off into the coolant system

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**NH101415**	Price
5 Gallon	HAZ58	**NH101414**	Price

Accu-Lube® #10 Perfect Tapping Oil



- Recommended for tapping operations on all metals
- Its thickness allows the tap to cut several holes before recoating is required
- Environmentally safe and biodegradable

Size	Hazard Code	Order No.	Price
8 oz	HAZ57	**LK607583**	Price
1 Gallon	HAZ57	**LK607584**	Price

Tap Magic® Xtra®-Foamy



- New high-visibility foam formula let you visually gauge application rate and fluid presence
- Highly effective for hard metals up to 45 RC
- Virtually eliminates work hardening
- Extended cling time

Size	Hazard Code	Order No.	Price
17 oz	HAZ03	**LJ50800017FL**	Price

Monroe Fluid Technology Prime Cut®



- Water soluble
- Contains chlorine
- Extremely effective on aluminum

MADE IN THE USA

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LK5006050**	Price
55 Gallon	HAZ06	**LK5006550†**	Price

†All 55 Gallon Drums FOB Factory

ASHBURN 9000

Water Soluble Cutting Oil

APEX HIGH PERFORMANCE COOLANTS

A moderate to heavy duty water soluble machining and grinding fluid with extreme pressure additives to produce excellent lubricity and finish. Designed to resist bacteria and fungal attack. This produces a healthier environment and minimizes foul odors



Advantages:

- Superior sump life
- Superior lubricity
- Superior corrosion protection
- Pleasant smell
- Non-foaming
- Superior wheel and tool life
- Resists tramp oil

MADE IN THE USA

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK70A411311**	Price
5 Gallon	HAZ58	**LK70A411405**	Price
55 Gallon	HAZ06	**LK70A411555†**	Price

†All 55 Gallon Drums FOB Factory

RIDGID Thread Cutting Oil-Dark

MADE IN THE USA

- Finest quality, special purpose sulphurlard cutting oil that cools, speeds metal removal, produces smooth, clean threads, prevents chips from welding to dies
- An exactly formulated combination of petroleum oils and special additives, including an odorless germicide that is antiseptic, reducing the risk of infection
- Will not congeal at 20°F
- Comparative tests prove the superiority of RIDGID Thread Cutting Oil
- Excellent for drilling, turning and other metal cutting operations but should not be used for lubricating
- Available in Dark and Nu-Clear



				Dark		Nu-Clear	
Size	Hazard Code	Cans to Case	Case Weight	Order No.	Price	Order No.	Price
1 qt	HAZ57	12	28 lbs	**KR5041590**	Price	-	-
1 Gallon	HAZ57	6	51-1/2 lbs	**KR5070830**	Price	**KR5070835**	Price
5 Gallon	HAZ58	1	42 lbs	**KR5041600**	Price	**KR5041575**	Price
55 Gallon	HAZ06	1	465 lbs	**KR5041610†**	Price	**KR5041585†**	Price

†All 55 Gallon Drums FOB Factory

ASHBURN EP Cutting Oil MIKE-O-DRILL DH 60

A heavy duty, light viscosity cutting oil with sulfurized and chlorinated extreme pressure additives. It is a high performance product for use in deep hole drilling, heavy cutting, sawing, and other difficult operations.



- Drilling/deep hole drilling
- Superior EP and lubricity additives
- Low viscosity
- Excellent chip removal
- Increases blade and tool life

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK70E225314**	Price
5 Gallon	HAZ58	**LK70E225405**	Price
55 Gallon	HAZ06	**LK70E225555†**	Price

†All 55 Gallon Drums FOB Factory

Accu-Lube LB-5000 Lubricant - Moderate Duty

New!

1 Gallon Container



- Moderate duty general machining, sawing and cutting
- Post-heat treating aluminum
- Vegetable-based, biodegradable lubricant
- Non-staining, burns off cleanly in post heat treating
- For ferrous & nonferrous metals
- Clean with soap and water

Order No.	Price
LK60LB5000	Price

Accu-Lube LB-6000 Lubricant - Moderate to Heavy Duty

New!

1 Gallon Container



- Moderate to heavy-duty
- Aluminum machining, cutting and sawing
- Moderate-duty milling, drilling, tapping and punching
- Replacing “mist” type lubricant and tooling
- Aluminum applicatons with post heat-treating
- Thru-tool applications

Order No.	Price
LK60LB6000	Price

Accu-Lube LB-6100 Lubricant - Heavy Duty

New!



- Heavy-duty minimum quantity lubricant
- Moderate-duty milling, drilling, tapping, stamping and punching
- Heavy-duty machining, sawing and cutting
- Sawing large diameter solids
- Large diameter tapping
- Deep hole drilling
- Operations that generate a lot of heat
- Thru-tool applications

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK60LB6100**	Price
55 Gallon	HAZ06	**LK60LB6155**	Price

Accu-Lube LB-1000 Lubricant - Heavy Duty

New!

1 Gallon Container



- Heavy duty machining, sawing and cutting
- Difficult steel & hardened metal operations
- Large diameter tapping
- Deep hole drilling
- High heat operations
- Sawing large diameter solids

Order No.	Price
LK60LB1000	Price

Rustlick WS-11

Non-Chorlinated Water Soluble Oil



- Economical soluble oil
- General purpose, medium-duty applications
- Can be used as a light film rust preventative

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK6074013**	Price
5 Gallon	HAZ58	**LK6074053**	Price
55 Gallon	HAZ06	**LK6074553†**	Price

† All 55 Gallon Drums FOB Factory

Monroe Water Extendable Astro-Cut A®

- Biostable water soluble cutting and grinding fluid concentrate
- Chlorine free



Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK5034104**	Price
5 Gallon	HAZ58	**LK5034050**	Price
55 Gallon	HAZ06	**LK5034550†**	Price

†All 55 Gallon Drums FOB Factory

Monroe Water Extendable Astro-Cut B®

- Heavy duty biostable semi-synthetic cutting and grinding fluid concentrate
- Chlorine free



Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK5035104**	Price
5 Gallon	HAZ58	**LK5035050**	Price
55 Gallon	HAZ06	**LK5035550†**	Price

†All 55 Gallon Drums FOB Factory

Ashburn Mike-O-Thread Dark and Light

Premium quality thread cutting oils which provide smooth, clean and accurate thread cutting on all metals

Advantages:

- Superb cutting ability
- Fats and sulphur remain high
- Penetrates quickly
- Rapidly cools dies
- Provides an excellent finish on threads



		Dark		Light	
Size	Hazard Code	Order No.	Price	Order No.	Price
1 Gallon	HAZ57	**LK70E300311**	Price	**LK70E200311**	Price
5 Gallon	HAZ58	**LK70E300405**	Price	**LK70E200405**	Price
55 Gallon	HAZ06	**LK70E300555†**	1,092.00	**LK70E200555†**	Price

†All 55 Gallon Drums FOB Factory

LPS Edge Creme

- Excellent for vertical applications, biodegradable
- Can be applied to cutting tools before tapping or reaming
- Squeeze tube allows easy application
- For use when drilling, tapping blind holes, forming, bending, pre-coating fasteners and lubricating rubber seals
- Ecological and economical
- Safe on all metals



Size	Order No.	Price
10 oz	**LJ6043100**	Price

Tap Magic Xtra Thick Cutting Fluids

- Extreme performance, heavy weight fluid for the hardest metals
- Highly effective up to 45 RC
- Virtually eliminates work hardening
- Extended cling time



Size	Hazard Code	Order No.	Price
16 oz	HAZ57	**LJ5070016T**	Price
1 Gallon	HAZ57	**LJ5070128T**	Price
5 Gallon	HAZ58	**LJ5070640T**	Price

Tap Magic Formula 2 Eco-Oil

- Earth-friendly
- Low-smoke
- Low-odor formula with EP-X3™
- For use on all metals



Size	Hazard Code	Order No.	Price
12 oz	HAZ03	**LJ5060012CL**	Price
16 oz	HAZ57	**LJ5060016C**	Price
1 Gallon	HAZ57	**LJ5060128C**	Price
5 Gallon	HAZ58	**LJ5060640C**	Price
30 Gallon	HAZ06	**LJ5063840C†**	Price
55 Gallon	HAZ06	**LJ5067040C†**	Price

† All 30 & 55 Gallon Drums FOB Factory

Tap Magic Formula 1-Aqueous™

- Earth-friendly
- Aqueous-base with EP-X3™ performance booster
- For use on all metals



Size	Hazard Code	Order No.	Price
12 oz	HAZ03	**LJ5050012QL**	Price
16 oz	HAZ57	**LJ5050016Q**	Price
1 Gallon	HAZ57	**LJ5050128Q**	Price
5 Gallon	HAZ58	**LJ5050640Q**	Price
30 Gallon	HAZ06	**LJ5053840Q†**	Price
55 Gallon	HAZ06	**LJ5057040Q†**	Price

† All 30 & 55 Gallon Drums FOB Factory

Crown Cutting Oil

- Provides maximum lubricity for ferrous and non-ferrous machining
- Reduces downtime and increases tool life



Size	Hazard Code	Order No.	Price
10.5 oz	HAZ03	**LP507020**	Price

LPS Tapmatic® Dual Action #2



- Provides superior extreme pressure lubricity in machining aluminum and its alloys
- Reduces friction and eliminates chip welding
- Improves surface finish and extends tool life
- Designed especially for machining aluminum

Size	Hazard Code	Order No.	Price
1 Pint	HAZ57	**LJ6040220**	Price
1 Gallon	HAZ57	**LJ6040230**	Price

LPS Tapmatic® Natural



- Nontoxic and nonhazardous, biodegradable
- USDA BioPreferred
- Does not contain sulfur, chlorine, chlorinated solvents, water, mineral oil or inactive fillers
- Great for steel and aluminum
- High performance lubricating ability eliminates galling and seizing
- Safe on all metals

Size	Hazard Code	Order No.	Price
1 Pint	HAZ57	**LJ6044220**	Price
1 Gallon	HAZ57	**LJ6044230**	Price
5 Gallon	HAZ58	**LJ6044240**	Price

TCO-14 Thread-Cutting Oil - Dark



- Ready to cut clean, smooth threads on all pipe materials
- Extreme-pressure additive for anti-weld characteristics
- Excellent protection of tools and machined parts against corrosion
- Contains anti-mist component for a healthier work environment

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LJ5501GTCO14**	Price
5 Gallon	HAZ58	**LJ5505GTCO14**	Price
55 Gallon	HAZ06	**LJ5555GTCO14†**	Price

†All 55 Gallon Drums FOB Factory

TCO-16 Thread-Cutting Oil - Light



- Ready to cut clean, smooth threads on all pipe materials
- Extreme-pressure additive for anti-weld characteristics
- Excellent protection of tools and machined parts against corrosion
- Contains anti-mist component for a healthier work environment

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LJ5501GTCO16**	Price
5 Gallon	HAZ58	**LJ5505GTCO16**	Price
55 Gallon	HAZ06	**LJ5555GTCO16†**	Price

†All 55 Gallon Drums FOB Factory

Ashburn Aerosol Tapping Fluid

TD FOAMY

An extreme duty tapping and drilling fluid desgined for ease of application. Can be applied before or during the cutting operation. It's excellent foaming action penetrates deep into the cut to extend tap life and promote a superior finish



- Superior finish and threads
- Extends tool life
- Excellent foaming action
- Use on all metals
- Does not contain 1,1,1 Trichloroethane

Size	Hazard Code	Order No.	Price
20 oz	HAZ03	**LK70D150220**	Price

Master Fluid Solutions TRIM® MicroSol® 690XT

High Lubricity Low Foam Premium Semi-Synthetic Coolant



- Extends useful life without the need for tank-side biocides or fungicides
- Low foaming ideal for high-pressure, high-volume applications
- No nitrites, triazines, phenols, chlorinated, sulfurized EP additives; boron, halogen free
- Compatible with titanium, high nickel alloys, steels, copper, and aluminum alloys
- Excellent alternative to chlorinated soluble oils on high-silica aluminum alloys
- Provides superior corrosion inhibition on all ferrous and nonferrous metals
- Keeps machines very clean for reduced maintenance
- Requires no special disposal or recycling techniques

New!

Container Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**MS656360**	Price
5 Gallon	HAZ58	**MS656365**	Price
54 Gallon	HAZ06	**MS656370†**	Price

† All 54 Gallon Drums FOB Factory

Master Fluid Solutions TRIM® SOL®

New!

General Purpose Emulsion Coolant



- Proven to be highly effective in controlling built-up edge (BUE)
- Soluble oil (emulsion) coolant concentrate
- Used for production surface and centerless grinding, heavy-duty broaching, gear hobbing, and replacing straight oil on some types of screw machines
- Leaves a fluid, non-gumming film to prevent sticky ways, chucks, tool holders, and fixtures
- Coolant residue is easily removed with either water, working solution, or aqueous cleaners
- Easy recycling or disposal with conventional techniques and equipment

Container Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**MS656900**	Price
5 Gallon	HAZ58	**MS656905**	Price
54 Gallon	HAZ06	**MS656910†**	Price

† All 54 Gallon Drums FOB Factory

Master Fluid Solutions TRIM® C270CG

New!

High Performance Synthetic Coolant



- Compatible with a very wide range of materials including: cast iron, steels, and copper alloys, as well as plastics and composites
- Provides excellent corrosion inhibition on all common ferrous alloys
- Used when form grinding, drilling, tapping, and reaming operations without chlorine or sulfur-based EP additives
- Extremely low carry-off for very low total operation costs
- Very low foam and mist & very low initial ordor
- Leaves machines clean while leaving a soft, fluid film that protects the bare metal parts
- Residual film is easily resoluble in coolant working solution to facilitate easy machine cleaning
- Exceptional sump life and very good tramp oil rejection

Container Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**MS657720**	Price
5 Gallon	HAZ58	**MS657725**	Price
54 Gallon	HAZ06	**MS657730†**	Price

† All 54 Gallon Drums FOB Factory

ASHBURN 7700EP

APEX MADE IN THE USA

Heavy Duty Semi-Synthetic Coolant



- Extreme pressure lubricity for extended tool life
- Clean fluid – leaves no sticky deposits on machine or parts
- Excellent corrosion protection
- Stable emulsion in hard and soft water
- Resilient fluid with excellent microbial resistance
- Heavy duty semi-synthetic water soluble metalworking fluid
- For use on ferrous and most nonferrous metals including cast iron and aluminum
- Suitable for turning, milling, drilling, sawing and grinding in individual sumps or central systems

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LK70A770405**	Price
55 Gallon	HAZ06	**LK70A770455†**	Price

†All 55 Gallon Drums FOB Factory

ASHBURN 6000

APEX

Heavy Duty Synthetic Coolant



- Excellent lubricity
- Excellent tool life and finish
- Provides long sump life
- Superb corrosion protection
- Non-foaming
- Transparent
- Does not contain nitrites, chlorine or sulfur

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK70A600311**	Price
5 Gallon	HAZ58	**LK70A600405**	Price
55 Gallon	HAZ06	**LK70A605555†**	Price

ASHBURN 7090

APEX MADE IN THE USA

Semi-Synthetic Coolant



- Excellent lubricity
- Good foam control
- Good corrosion protection
- Long sump life
- Rejects tramp oil

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LK70A709005**	Price
55 Gallon	HAZ06	**LK70A709055†**	Price

ASHBURN 7000

APEX MADE IN THE USA

Semi-Synthetic Coolant



- For use on ferrous and nonferrous materials
- Excellent lubricity
- Superior tramp oil rejection
- Superb corrosion protection
- Good foam control
- Excellent sump life

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LK70A470505**	Price
55 Gallon	HAZ06	**LK70A475555†**	Price

†All 55 Gallon Drums FOB Factory

HANGSTERFER'S S-787 Semi-Synthetic Coolant



- Chlorine-free, vegetable based micro-emulsion semi-synthetic coolants that represents the Next Generation® in technology
- Semi-synthetics allow for excellent results high-pressure applications with exotic aerospace and medical alloys
- Natural translucent formula provides good work piece visibility, very low consumption, and often reduces coolant consumption by more than 20%

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**NH101404**	Price
55 Gallon	HAZ06	**NH101403**	Price

ASHBURN 6500

APEX MADE IN THE USA

High Performance Synthetic Machining and Grinding Fluid



- Increased lubricity vs conventional synthetic coolants
- Superior rust and corrosion protection
- Very low carry-off reduces coolant consumption
- Works well on ferrous and nonferrous metals

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LK70A650005**	Price
55 Gallon	HAZ06	**LK70A650055†**	Price

†All 55 Gallon Drums FOB Factory

ASHBURN AQUA COOL

General Purpose Soluble Oil



- Water soluble
- General purpose
- Good lubricity
- Excellent corrosion protection
- Cost effective
- Long sump life

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK70A400314**	Price
5 Gallon	HAZ58	**LK70A400405**	Price
55 Gallon	HAZ06	**LK70A400555†**	Price

† All 55 Gallon Drums FOB Factory

VAUGHAN Chemical FC-100 & Omni Cut Coolant

MADE IN THE USA

FC-100 Cutting Cream



- Water-soluble sulphurized oil emulsion used as a coolant in ferrous metal cutting
- Provides high heat absorption, excellent lubrication and corrosion protection during machining operations
- Designed for extreme pressure applications
- Non-flammable

Omni-Cut

- The harder the job –the harder it works!
- Premiuim synthetic metal cutting fluid for use on any metal except magnesium

		FC-100 Cutting Cream		Omni-Cut Coolant	
Size	Hazard Code	Order No.	Price	Order No.	Price
1 Gallon	HAZ57	**LK55F1**	Price	**LK55O1**	Price
5 Gallon	HAZ58	**LK55F5**	Price	**LK55O5**	Price
55 Gallon	HAZ06	**LK55F55†**	Price	**LK55O55†**	Price

† All 55 Gallon Drums FOB Factory

Rustlick Powerchip 2000

Heavy-Duty Synthetic Coolant



- High performance for heavy duty machining, grinding and sawing
- Non-chlorinated EP package provides extended tool life
- Provides excellent lubricity rust protection and low foaming
- Superior way-lube rejection, leading to cleaner coolant and longer sump life
- Safe for most metals (except magnesium)
- Suitable in hard water applications

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LK6076305**	Price
55 Gallon	HAZ06	**LK6076355†**	Price

† All 55 Gallon Drums FOB Factory

Rustlick Ultracut® Aero Aluminum and Titanium Coolant

Chlorine Free



- EP additives chlorine free
- Special formulation to meet Aerospace OEI requirements
- Recommended for aluminum, nickel alloys, stainless steel and titanium
- Easty to maintain, long-sump life, superior corrosion protection
- Does not leave oily-residue

Size	Temperature Range	Hazard Code	Order No.	Price
5 Gallon	220°F (FlashPoint)	HAZ58	**LK6074405**	Price
55 Gallon	220°F (FlashPoint)	HAZ06	**LK6074455†**	Price

† All 55 Gallon Drums FOB Factory

Rustlick Vytron-N

General Purpose Synthetic Fluid



- High level of rust protection
- Long sump life prevents rancidity
- Safe on most metals including titanium

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK6075014**	Price
5 Gallon	HAZ58	**LK6075054**	Price
55 Gallon	HAZ06	**LK6075554†**	Price

† All 55 Gallon Drums FOB Factory

Hangsterfer's S-500 Coolant

New!



- A Boeing approved product for general machining of all metals
- Due to its extreme pressure (EP) properties, outstanding results have been generated on all metals, including nickel alloys, stainless steels and aluminum alloys
- Chlorine free with specially formulated anti-weld and anti-wear compounds for use on ferrous and non-ferrous metals especially aluminum alloys
- Water soluble

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**NH101373**	Price
55 Gallon	HAZ06	**NH101372**	Price

TRICO Advanced Synthetic Coolant for Spray and Flood Applications

Tri-Cool's advanced formulation incorporates synthetic additives that allow faster speeds and feeds while remaining completely free of oil fumes



- Rapid cooling — advanced synthetic formula provides highly efficient heat absorption
- Biodegradable — contains no oil, sulfurs, phenols, chlorines or nitrites
- Corrosion resistant —gives excellent rust protection at high dilutions

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**NW5030656**	Price
5 Gallon	HAZ58	**NW5030657**	Price
55 Gallon	HAZ06	**NW5030658†**	Price

† All 55 Gallon Drums FOB Factory

Monroe Astro-Cut BCL



- Heavy-duty biostable semi-synthetic general purpose metal working coolant
- Designed for the machining and grinding of virtually all metals except magnesium
- Contains chlorine as an extreme pressure additive for greater lubricity

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LK500037105**	Price
55 Gallon	HAZ06	**LK500037155†**	Price

†All 55 Gallon Drums FOB Factory

Ashburn 9500

Heavy Duty Soluble Oil

APEX

MADE IN THE USA



A heavy duty water soluble oil. It is designed to be effective in a wide variety of machining and grinding applications. This product resists tramp oil contamination and has excellent resistance to bacteria and fungus. Can be used on ferrous and nonferrous materials

- Excellent sump life
- Superb lubricity and EP properties
- Good tramp oil rejection
- Provides good rust and corrosion protection

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK70A950111**	Price
5 Gallon	HAZ58	**LK70A950205**	Price
55 Gallon	HAZ06	**LK70A950355†**	Price

†All 55 Gallon Drums FOB Factory

Rustlick™ WS-5050

Heavy-Duty Soluble Oil



- Effective chlorinated EP additive provides excellent tool life
- Can be used on all metals except titanium
- Compatible with CNC machining

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK6074016**	Price
5 Gallon	HAZ58	**LK6074056**	Price
55 Gallon	HAZ06	**LK6074556†**	Price

† All 55 Gallon Drums FOB Factory

Rustlick™ Powersaw

Synthetic Sawing Coolant



- High level of rust protection and low foaming
- Non-chlorinated E.P. additive
- Designed for band sawing applications
- Can be used with most metals except magnesium

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LK6076205**	Price
55 Gallon	HAZ06	**LK6076255†**	Price

† All 55 Gallon Drums FOB Factory

Rustlick™ SS-405L

Semi-Synthetic Coolant



- General Purpose, for machining and grinding
- Provides excellent lubricity and protects machines and parts from rust
- Can be used on many different metals including aluminum

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LK6078405**	Price
55 Gallon	HAZ06	**LK6078410†**	Price

† All 55 Gallon Drums FOB Factory

Rustlick™ Ultracut 375R

Biostable Semi-Synthetic Coolant



- Provides finer finishes and longer tool life
- Provides long sump life due to exceptional biostability and rust protection
- Good rust protection for cast iron
- Suitable for milling, drilling, turning, and grinding
- For all metals & some grades of aluminum
- Compatible with CNC Machining
- Consolidate to one universal fluid

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LK6074905**	Price
55 Gallon	HAZ06	**LK6074955†**	Price

† All 55 Gallon Drums FOB Factory



CIMCOOL Cimstar® 10-D5

- Semi-synthetic, light to moderate duty, chlorine free
- Multi-metal safe - has been used on ferrous, non-ferrous & yellow metals
- Good sump life

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ57	**LL5001294P**	Price
55 Gallon	HAZ06	**LL5001294D†**	Price

†All 55 Gallon Drums FOB Factory

CIMCOOL Cimstar® 10-D6

- Semi-synthetic, moderate duty, chlorine containing
- Multi-metal safe
- Light residue characteristics make it a good choice for cast iron
- Good sump life

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LL5001296P**	Price
55 Gallon	HAZ06	**LL5001296D†**	Price

†All 55 Gallon Drums FOB Factory

CIMCOOL Cimstar® 10-D8

- Semi-synthetic, moderate to heavy duty chlorinated
- Has the cleanliness of a semi and lubricity of a soluble oil
- Versatile - can grind and saw

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ05	**LL5001293P**	Price
55 Gallon	HAZ06	**LL5001293D†**	Price

†All 55 Gallon Drums FOB Factory

CIMCOOL Cimstar® 40B

- Semi-synthetic recommended for moderate-duty machining and grinding of ferrous metals and some non-ferrous metals
- The oily residue keeps machine tools and work-piece materials free of corrosion and staining
- Good rancidity and foam control

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LL5100893P**	Price
55 Gallon	HAZ06	**LL5100893D†**	Price

†All 55 Gallon Drums FOB Factory

CIMCOOL Cimstar® 55

- Semi-synthetic for general-purpose machining and grinding of ferrous and nonferrous metals
- Light to moderate duty machining and grinding applications
- Should not be used on magnesium alloys

Size	Haz Code	Order No.	Price
5 Gallon	HAZ58	**LL5100626P**	Price
55 Gallon	HAZ06	**LL5100626D†**	Price

†All 55 Gallon Drums FOB Factory

CIMCOOL Cimstar® 60

- Semi-synthetic, general-purpose fluid for machining and grinding aluminum, iron and steel
- Good lubricity - physical, chemical and extreme pressure lubricant agents provide good machining and grinding ability

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LL5100024P**	Price
55 Gallon	HAZ06	**LL5100024D†**	Price

† All 55 Gallon Drums FOB Factory

Rustlick™ EDM250 Low-Viscosity Dielectric Fluid



- Universal low viscosity dielectric fluid
- Excellent flusing and finish characteristics
- Safe for use with all filter types

Size	Temperature Range	Hazard Code	Order No.	Price
5 Gallon	200°F (FlashPoint)	HAZ58	**LK6072050**	Price

Rustlick™ EDM500 Premium Synthetic Dielectric Fluid



- Low viscosity
- Withstands up to 400 amps
- Eliminates skin irriation
- For use on all ferrous metals, alumimu, brass, bronze and copper

Size	Temperature Range	Hazard Code	Order No.	Price
5 Gallon	200°F (FlashPoint)	HAZ58	**LK6072055**	Price

Rustlick™ EDM 30, 250 & 500



RUSTLICK™ EDM-30–Dielectric Oil
- High quality oil offers low viscosity for fast settling
- Use with paper cartridge filters

RUSTLICK™ EDM-250–Dielectric Oil
- Low viscosity for excellent flushing and finishing
- Resists thermal degradation from high amperage application up to 400 Amps
- Good for all types of filters

RUSTLICK™ EDM-500–Synthetic Dielectric Oil
- Cosmetic-grade formulation virtually eliminates skin irritation
- Formulated from base chemicals so highly refined and purified that additional additives are not necessary. The result is faster cutting, higher quality finishes and long fluid life
- Resists thermal degradation from high amperage application up to 400 Amps
- High dielectric strength
- Good for all types of filters

Description	Size	Hazard Code	Order No.	Price
EDM-30	5 Gallon	HAZ58	**LK6072052**	Price
EDM-30	55 Gallon	HAZ06	**LK6072552†**	Price
EDM-250	55 Gallon	HAZ06	**LK6072550†**	Price
EDM-500	55 Gallon	HAZ06	**LK6072555†**	Price

†All 55 Gallon Drums FOB Factory

CIMCOOL Cimtech® 95 Metal Working Fluid

- Extremely low foaming, clear, biostable synthetic
- Recommended for grinding of ferrous metals
- Designed for light duty grinding applications such as surface, double disc and Blanchard grinding operations

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ04	**LL5100189P**	Price
55 Gallon	HAZ06	**LL5100189D†**	Price

†All 55 Gallon Drums FOB Factory

CIMCOOL Cimtech® 310 Metal Working Fluid

- Boeing approved
- Synthetic recommended for machining and grinding operations, including creep feed grinding, on non-ferrous or ferrous metals
- Unique, low pH synthetic fluid designed for the aerospace industry

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LL5100155P**	Price
55 Gallon	HAZ06	**LL5100155D†**	Price

†All 55 Gallon Drums FOB Factory

CIMCOOL Cimtech® 500 Heavy Duty Synthetic Fluid

- Synthetic recommended for machining and grinding operations of ferrous materials, where a heavy-duty synthetic fluid is desired
- Heavy-duty machining operations
- Moderate-duty grinding operations
- Rejects tramp oil to keep product clean extending sump life
- Very good synthetic honing fluid

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LL5100271P**	Price
55 Gallon	HAZ06	**LL5100271D†**	Price

†All 55 Gallon Drums FOB Factory



CIMCOOL Cimperial® 1060CF

- Soluble oil recommended for moderate-to-heavy-duty machining and grinding operations
- Chlorine free
- Excellent rust protection

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LL5100034P**	Price
55 Gallon	HAZ06	**LL5100034D†**	Price

† All 55 Gallon Drums FOB Factory

CIMCOOL Cimperial® 1070 Premium

- Soluble oil recommended for heavy-duty machining and grinding operations
- Can be used on virtually any operations on a variety of metals

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LL5100102P**	Price
55 Gallon	HAZ06	**LL5100102D†**	Price

†All 55 Gallon Drums FOB Factory

Master Fluid Solutions TRIM® SC520

New!

General Purpose Semi-Synthetic



- Good sump life in "stand-alone" machines
- Low odor and mist
- Effective in most grinding, sawing, drilling, and CNC turning and milling operations by varying concentrations
- Provides sufficient lubricity to do down-the-hole operations in aluminum, cast iron, and most steels, including many stainless steels
- Compatible with cast iron, steels, copper, and aluminum alloys, as well as, most plastics and composites
- Rejects tramp oils rapidly for easy recycling with good sump life
- Easily recycled or disposed of using conventional techniques and equipment

Container Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**MS656800**	Price
5 Gallon	HAZ58	**MS656805**	Price
54 Gallon	HAZ06	**MS656810†**	Price

† All 54 Gallon Drums FOB Factory

Rustlick Ultracut® 380R Heavy-Duty Bio-Resistant Semi-Synthetic Coolant

Chlorine Free



- EP additives chlorine free
- Recommended for ferrous and non-ferrous metals (including titanium and nickel alloys)
- Easy to maintain, long-sump life, superior corrosion protection
- Does not leave oily-residue

Size	Temperature Range	Hazard Code	Order No.	Price
5 Gallon	200°F (FlashPoint)	HAZ58	**LK6076005**	Price
55 Gallon	200°F (FlashPoint)	HAZ06	**LK6076055†**	Price

† All 55 Gallon Drums FOB Factory

Rustlick Ultracut® PROCF Heavy-Duty Bio-Resistant Water-Soluble Oil

Chlorine Free



- EP additives chlorine-free
- Recommended for ferrous and non-ferrous metals (including titanium and nickel alloys)
- Low foaming, rejects tramp oil
- Provides excellent residual corrosion protection
- Easy to maintain, superior-sump life and bio-stability

Size	Temperature Range	Hazard Code	Order No.	Price
5 Gallon	200°F (FlashPoint)	HAZ58	**LK6083305**	Price
55 Gallon	200°F (FlashPoint)	HAZ06	**LK6083355†**	Price

† All 55 Gallon Drums FOB Factory

Rustlick Ultracut®Pro Heavy-Duty Bio-Resistant Water-Soluble Oil

Includes Chlorine



- EP additive includes chlorine
- Recommended for ferrous and most non-ferrous metals (excluding titanium and nickel alloys)
- Low foaming; rejects tramp oil, provides excellent residual corrosion protection
- Easy to maintain, superior-sump life and bio-stability

Size	Temperature Range	Hazard Code	Order No.	Price
5 Gallon	200°F (FlashPoint)	HAZ58	**LK6084405**	Price
55 Gallon	200°F (FlashPoint)	HAZ06	**LK6084455†**	Price

† All 55 Gallon Drums FOB Factory

Hangsterfer's R-100 Grinding Synthetic Coolant

New!



- Excellent grinding synthetic, especially useful in Blanchard grinders and deburring tumblers
- R-100 is a full synthetic machining and grinding coolant
- Transparent biostable formula offers extended sump life, reduced coolant consumption and minimal waste
- Free of oil and grease while remaining transparent in both hard and soft water
- Unique cleaning action to help reduce wheel loading and leaves behind a thin corrosion inhibiting film

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**NH101328**	Price
55 Gallon	HAZ06	**NH101327**	Price



CIMCOOL CIMSTAR® 60LF Metal Cutting Fluid

- Clean, completely water soluble, silicone free, semi-synthetic product that contains an extreme pressure lubricant for superior machining and grinding capability
- Recommended for aluminum, iron and steel
- Moderate to heavy duty operations

Size	Haz Code	Order No.	Price
5 Gallon	HAZ58	**LL5100026P**	Price
55 Gallon	HAZ06	**LL5100026D†**	Price

†All 55 Gallon Drums FOB Factory

CIMCOOL CIMSTAR® 540 Metal Cutting Fluid

- Moderate duty, semi-synthetic product with good rust control and excellent rancidity control
- Biostable metalworking fluid that controls biological growth without bactericides. It uniquely blends the newest technological advances to deliver superior performance
- Can be used on a variety of metals and operations

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ57	**LL5100045P**	Price
55 Gallon	HAZ06	**LL5100045D†**	Price

†All 55 Gallon Drums FOB Factory

CIMCOOL CIMSTAR® Qual Star LF Grinding Fluid

- Boeing approved
- Semi-synthetic recommended for general purpose machining and grinding of ferrous metals
- Blends the technological advantages of synthetic fluids with the performance capabilities of soluble oils without the use of extreme pressure lubricants
- Designed to be low foaming in soft water (less than 125 ppm total hardness)

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LL5100038P**	Price
55 Gallon	HAZ06	**LL5100038D†**	Price

†All 55 Gallon Drums FOB Factory

Accu-Lube Paste

- The industry standard for horizontal applications
- Brush it on for tapping, reaming or drilling
- Environmentally safe and biodegradable



Size	Hazard Code	Order No.	Price
8 oz	HAZ57	**LK6079030**	Price

Accu-Lube Stick Lubricants

- Reduce heat build-up in belt, disc or wheel grinding operations
- Apply the ready-to-use stick to the tool before start-up
- Environmentally safe and biodegradable





Size	Hazard Code	Order No.	Price
2.02 oz Push-up Stick	HAZ57	**LK6079042**	Price
13 oz Tube	HAZ57	**LK6079045**	Price

Accu-Lube Pump Spray

- The precise nozzle allows you to apply only where needed
- Ideal for drilling, tapping, reaming
- Environmentally safe and biodegradable



Size	Hazard Code	Order No.	Price
8 oz	HAZ57	**LK6079026**	Price

Mobil Mobilmet 426 Series Multi-Purpose Cutting Oils

- Mobilmet 426 is recommended for critical machining of non-ferrous metals and automatic operations on materials having a Brinell hardness up to about 300
- Excellent machining performance
- Promotes longer tool life and reduced downtime for tool changes and wheel dressing
- Improved surface finish and dimensional accuracy resulting in fewer rejects and better quality finished products
- Light transparent color provides clear view of work area at all times



Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK45CUT426**	Price

Honing Oil MIKE-O-HONE

- Excellent penetration
- Promotes flow of fines
- High sulfur content
- Provides excellent surface finish
- A superior fluid for use in industrial and automotive operations



Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK70E622311**	Price
5 Gallon	HAZ58	**LK70E622405**	Price

Air Compressor Oil

- Napthenic-based rust and oxidation inhibitor non-detergent
- 30 Wt. high grade oil
- Recommended to be changed after every 1000 hours of service or once annually whichever comes first



Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**NV50ACL130**	Price
1 qt	HAZ57	**NV50ACL032**	Price

All-Season T30-Air Compressor Oil

- Eliminates carbon build-up, allows compressor to run cooler, extends compressor life and service intervals
- T30-Select® performs four (4) times longer than mineral based lubricant SAE Grade 20W40



Size	Hazard Code	Order No.	Price
1 qt	HAZ57	**PR5532318875**	Price

Mobil Rarus 427 Series Compressor Oil

- A line of premium performance ashless air compressor oils designed to lower maintenance costs, improve valve performance, reduce the wear of rings & cylinders, and reduce deposits of sludge in discharge lines
- Has excellent water separability, improves filter life and is very effective in the protection of rust & corrosion
- Reciprocating air compressor crankcases and cylinders
- Rotary screw compressors
- Compressors used in stationary and mobile applications
- Rotary vane compressors
- ISO Viscosity Grade: 100



Size	Hazard Code	Order No.	Price
1 qt	HAZ57	**LK4542716**	Price
1 Gallon	HAZ57	**LK454271**	Price

Accu-Lube® LB-3000

- Medium duty machining: sawing, solids and tubing drilling and tapping small holes, stamping, rolling
- Economical high performance natural base cutting oil
- Environmentally friendly and worker safe
- Must be cleaned off prior to post heat treating
- Good for all metals



Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK60LB3000**	Price
55 Gallon	HAZ06	**LK60LB3055†**	Price

†All 55 Gallon Drums FOB Factory

Accu-Lube® LB-6800

- Aluminum sawing lubricant
- Designed for aluminum extruders
- Non-staining and easily burns off during post heat treat processes
- Environmentally safe, biodegradable and non-toxic



Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK60LB6800**	Price
55 Gallon	HAZ06	**LK60LB6855†**	Price

†All 55 Gallon Drums FOB Factory

Accu-Lube® LB-2000

- Medium to heavy duty machining
- For use in general machinery, drilling and tapping small diameter holes
- High performance natural base oil
- Environmentally friendly and worker safe
- Good for all metals



Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK60LB2000**	Price
55 Gallon	HAZ06	**LK60LB2055†**	Price

†All 55 Gallon Drums FOB Factory

Accu-Lube® Power Stamp II

- For the stamping industry or any heavy-duty application that requires excellent chemical and base lubricity
- Light viscosity clean lubricant, won't gum up
- Non-chlorinated EP package
- Safe for post heat treating of non-ferrous metal
- Water washable



Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK60LBSTII01**	Price
55 Gallon	HAZ06	**LK60LBSTII55†**	Price

†All 55 Gallon Drums FOB Factory

Accu-Lube® Synthetic II Stamping Lubricant

- Water-based organic stamping lubricant
- Boron and chlorine free with superior lubricity
- For near dry stamping/machining of ferrous, non-ferrous metals and aluminum
- Provides excellent corrosion protection
- Clean before heat treating with rinse water



Size	Temperature Range	Hazard Code	Order No.	Price
1 Gallon	212°F (FlashPoint)	HAZ57	**LK60LBSY201**	Price
55 Gallon	212°F (FlashPoint)	HAZ06	**LK60LBSY255†**	Price

†All 55 Gallon Drums FOB Factory

Monroe Fluid Technology Water Extendible Astro-Grind A®

- Astro-Grind A is a heavy duty biostable semi-synthetic grinding fluid concentrate
- Chlorine free



Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK5047104**	Price
5 Gallon	HAZ58	**LK5047050**	Price
55 Gallon	HAZ06	**LK5047550†**	Price

†All 55 Gallon Drums FOB Factory

LPS Tapmatic® AquaCut

- Water-based formula
- Excellent in high speed cooling applications
- Nonflammable, non hazardous
- Does not contain sulfur, chlorinated solvents, chlorine or oils
- Safe on all metals, except magnesium
- Corrosion inhibitors prevent flash rusting
- Provides fine finishes, cinnamon scent



Size	Hazard Code	Order No.	Price
16 oz	HAZ57	**LJ6001216**	Price
1 Gallon	HAZ57	**LJ6001228**	Price

Rustlick™ G-25-J

Synthetic Grinding Fluid

- High level of rust prevention, non-foaming, transparent
- Enables the rapid settling of residues, which eliminates wheel build-up and ensures finer finishes

New!



Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK6075012**	Price
5 Gallon	HAZ58	**LK6075052**	Price
55 Gallon	HAZ06	**LK6075552†**	Price

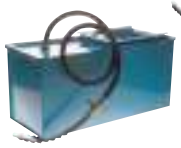
† All 55 Gallon Drums FOB Factory

LittleGIANT Machine Tool Coolant Units – "Flood Type"

MADE IN THE USA



- Coolant units for any machine tool operation
- The flow of coolant liquids can be regulated to any desired amount or completely shut off without harmful effects to the motor
- Centrifugal pumps are used in all machine tool coolant units
- Five gallon tanks are poly-ethylene, ten gallon tanks are heavy gauge steel. Screen and chip collector are easily removable for fast cleaning



HP	Tank Cap.	Size (in.)	Weight	GPH	Replacement Pump	Order No.	Price
1/50	5 Gallon	8 x 10-15/16 x 16-9/16	16 lbs	40	NK-1	**NX501MC5**	Price
1/40	5 Gallon	8 x 10-15/16 x 16-9/16	19 lbs	64	NK-2	**NX502MC5**	Price
1/15	5 Gallon	8 x 10-15/16 x 16-9/16	23 lbs	113	3E-12N	**NX503MC5**	Price

LittleGIANT Replacement Pumps

HP	Amps	Watts	Size	Order No.	Price
1/150	1.1	70	4-9/16 x 4-1/8 (D)	**NX50NK1**	Price
1/40	1.7	100	4-9/16 x 4-1/8 (D)	**NX50NK2**	Price
1/15	3.2	200	5-1/2 x 4-1/2 x 7	**NX503E12N**	Price
1/12	3.5	210	5-1/2 x 4-1/2 x 7	**NX504E34N**	Price
1/6	5	380	7-3/4 x 4-5/16 x 6-1/16	**NX505MSP**	Price

LittleGIANT Dual Purpose Pumps for Submersible or Open Air, Closed Line System

Item	Description	GPH	Shut off	Order No.	Price
	Epoxy coated; cast aluminum housing with 1/4" FNPT intake and 1/2" MNPT discharge	1'-500 / 3'-435 / 5'-337 GPH	17.3 ft	**NX503E12N**	Price
	Epoxy coated; cast aluminum housing with 1/4" FNPT intake and 1/2" MNPT discharge	1'-670 / 3'-650 / 5'-575 GPH	22.6 ft	**NX503E12NR**	Price
	Epoxy coated; cast aluminum housing with 3/8" FNPT intake and 1/4" MNPT discharge	1'-300 / 3'-255 / 5'-205 GPH	11.8 ft	**NX502E38N**	Price

LittleGIANT Small Submersible Pump

Item	Description	GPH	Shut off	Order No.	Price
	Cast aluminum housing. 1/4" MNPT discharge and hooded intake.	1'-300 / 3'-255 / 5'-205 GPH	11.8 ft	**NX502EN**	Price
	Polyester case. 1/4" MNPT discharge and side intake.	1'-170 / 3'-140 / 5'-100 GPH	7 ft	**NX50PE1**	Price
	For use either submerged or in-line if fluid is gavity fed to pump intake. No screen included. Has both 1/2" MNPT and 1/4" FNPT intakes.	1'-170 / 3'-140 / 5'-100 GPH	7 ft	**NX501EA42**	Price

LittleGIANT Submersible Parts Washer Pumps

Item	Description	GPH	Shut off	Order No.	Price
	Cast aluminum housing, 1/4" MNPT discharge, and 6' cord with Master Builders Fitting.	1'-205 / 3'-168 / 5'-120 GPH	7.4 ft	**NX501YS**	Price
	Diecast aluminum housing, hooded intake, 1/4" MNPT outlet, and 1/2" MNPT conduit fitting.	1'-300 / 3'-255 / 5'-205 GPH	11.8 ft	**NX502ENYS**	Price

LittleGIANT Submersible Sump Pump

- Permanent split capacitor (PSC) motor with thermal
- Polypropylene base material
- Overload protection
- Designed for continuous duty
- Energy-saving low amp draw
- Cooler running motor
- 1-1/2" FNPT discharge (38 mm)
- Handles up to 1/2" (12.7 mm) solids
- 140 °F (60 °C) liquid temperature rating cCSAus listed



Order No.	Price
NX50506807	Price

LittleGIANT Submersible Sump and Effluent Pumps

Automatic

- 1-1/2 FNPT discharge
- 1-1/4" FNPT hose adapter included
- 1/3 HP
- Diaphragm operated automatic switch
- On level 7" - 10"/Off level 1" - 4"
- Epoxy coated cast iron housing
- 2760 GPH @ 5', 18' shut off



Order No.	Price
NX506CIA	Price

LittleGIANT Submersible Water Wizard® Pump

Manual

- Cast aluminum housing
- 1200 GPH @ 5', 26.3' shut off
- Bottom, sump-type pick up
- 1" FNPT discharge with garden hose adapter
- 10' Power cord with 3-prong plug 1/6 HP
- UL Listed
- Removable plastic intake screen



Order No.	Price
NX505MSP	Price

LittleGIANT Submersible Sump and Effluent Pumps

Manual

- Handles liquid and solid waste materials up to 3/4" diameter
- 1-1/2" FNPT discharge
- 4/10 HP
- Epoxy Cast iron housing and cover
- 80 GPM @ 5' / 32' shut off

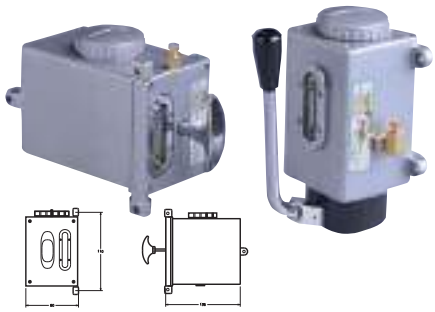


Order No.	Price
NX509ENCIM	Price

TRICO Manual Cyclic Pumps

Applications:
- PM Series pumps are used in applications where a fixed output of lubricant is desired
- With the PM-10 series, the leverage of the pump handle enables the unit to deliver a higher pressure than most models, providing the ability to lubricate points having some back pressure
- With the PM-20 series, lubricant output takes place upon release of the handle using spring discharge to assure the correct amount of lubricant is applied
- These pumps are commonly used with meter units in single or multiple point applications

Features:
- Aluminum die cast reservoir provides long life
- Outputs to 8 cc/stroke
- Sight gauge provides liquid level observation
- Large fill port for easy adding of lubricant
- Drop-in fill port keeps oil clean



Model No.	Type of Operation	CC Output Per Stroke	Discharge Pressure P.S.I.	Reservoir Capacity	Mount Position	Order No.	Price
PM-1000-08	Manual Piston Pump	8	200	450 cc	Vertical	**NW50PM100008**	Price
PM-2000-L	Spring Discharge Piston Pump	8	50	550 cc	Left Horizontal	**NW50PM2000L**	Price
PM-2000-R	Spring Discharge Piston Pump	8	50	550 cc	Right Horizontal	**NW50PM2000R**	Price

TRICO Automatic Cyclic Pumps

Applications:
- The PE-20 series pumps are designed for automatic cyclic systems with fewer than 50 points

PE-20 Series Features:
- Adjustable interval time between lubrications cycles of 0-60 minutes
- Heavy duty plastic reservoir simplifies oil level viewing
- Choice of 6cc or 15cc output per cycle

PE-22 and PE-24 Series Features:
- Adjustable interval time between lubrication cycles of 0-60 minutes
- Heavy duty plastic reservoir simplifies oil level viewing
- Low level switch with alarm
- Pressure gauge

Specifications:
- Reservoir Capacity: 2 Liters
- Motor Voltage: 110-1-50/60 Standard • 220-1-50/60 Optional
- Maximum Pressure: PE-20, 22 Series: 100 PSI; PE-24 Series: 70 PSI
- Output Connection: 5/16-24 (f)



Output	Interval Time Between Cycles	Min. Output (cc/hour)	Low Level Switch	Low Level Alarm and Press. Gauge	Model No.	Order No.	Price
15 cc/cycle	0 - 60 min	15	Yes	No	PE-2002-15	**NW50PE200215**	Price
15 cc/cycle	0 - 60 min	15	Yes	Yes	PE-2202-15	**NW50PE220215**	Price
3.33 cc/sec	0 - 180 min	1.1	Yes	Yes	PE-2402-15	**NW50PE2402**	Price
6 cc/cycle	0 - 60 min	6	Yes	No	PE-2002-06	**NW50PE200206**	Price
6 cc/cycle	0 - 60 min	6	Yes	Yes	PE-2202-06	**NW50PE220206**	Price

***Variable delivery time of 0-180 seconds**

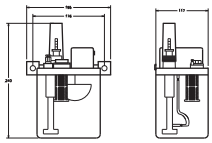
TRICO Automatic Cyclic Pumps

Applications:
- For use in heavy duty applications requiring a timed delivery of lubricant
- These durable pumps provide long life and trouble-free service
- These pumps are used with meter units in multiple point applications

Features:
- Transparent 2 liter reservoir simplifies viewing oil level
- PE 12 series has low level switch to signal when lubricant level is low
- Adjustable output range of 3 to 6 cc/cycle, or 3 to 120 cc/hour
- Convenient drop-in filter in fill port keeps oil clean

Specifications:
- Reservoir Capacity: 2 Liters
- Motor Voltage: 110-1-50/60 Standard; 220-1-50/60 Optional
- Maximum Pressure: 40 PSI
- Output Connection: 5/16-24 (f)





Interval Time Between Cycles	Low Level Switch	Output (cc/cycle)	Min. Output (cc/hour)	Max. Output (cc/hour)	Model No.	Order No.	Price
3 min	No	Adjustable 3-6	60	120	PE-1002-03	**NW50PE100203**	Price
3 min	Yes	Adjustable 3-6	60	120	PE-1202-03	**NW50PE120203**	Price
5 min	No	Adjustable 3-6	36	72	PE-1002-05	**NW50PE100205**	Price
5 min	Yes	Adjustable 3-6	36	72	PE-1202-05	**NW50PE120205**	Price
10 min	No	Adjustable 3-6	18	36	PE-1002-10	**NW50PE100210**	Price
10 min	Yes	Adjustable 3-6	18	36	PE-1202-10	**NW50PE120210**	Price
15 min	No	Adjustable 3-6	12	24	PE-1002-15	**NW50PE100215**	Price
15 min	Yes	Adjustable 3-6	12	24	PE-1202-15	**NW50PE120215**	Price
30 min	No	Adjustable 3-6	6	12	PE-1002-30	**NW50PE100230**	Price
30 min	Yes	Adjustable 3-6	6	12	PE-1202-30	**NW50PE120230**	Price
60 min	No	Adjustable 3-6	3	6	PE-1002-60	**NW50PE100260**	Price
60 min	Yes	Adjustable 3-6	3	6	PE-1202-60	**NW50PE120260**	Price

Graymills Centrifugal Replacement Pumps For Imported Machine Tools

- 3450 RPM motors
- Sealed bearings
- 5/16" Diameter flange mounting holes
- 1/8 & 1/4 HP Plastic impeller
- 1/2, 3/4 & 1 HP Aluminum impeller

MADE IN THE USA



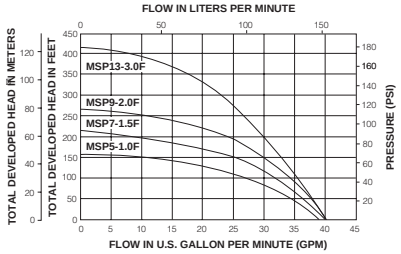
Type - Immersion Pumps									
HP	Motor	Pump Depth (in.)	OAL (in.)	GPM	Discharge (in.)	Flange Dia. (in.)	Bolt Circle (in.)	Order No.	Price
1/8	115/230V, 1PH	6	11-13/16	10 GPM	3/8	5 x 5	5	**LC55IMV08E**	Price
1/8	230/460V, 3PH	6	11-13/16	10 GPM	3/8	5 x 5	5	**LC55IMV08F**	Price
1/4	115/230V, 1PH	7	14-13/16	20 GPM	1/2	6-13/16 x 6-13/16	6-3/8	**LC55IMV25E**	Price
1/4	230/460V, 3PH	7	14-13/16	20 GPM	1/2	6-13/16 x 6-13/16	6-3/8	**LC55IMV25F**	Price
1/2	115/230V, 1PH	9-1/2	18-5/16	35 GPM	3/4	7-1/2 x 7-1/2	6-3/4	**LC55IMV50E**	Price
1/2	230/460V, 3PH	9-1/2	18-5/16	35 GPM	3/4	7-1/2 x 7-1/2	6-3/4	**LC55IMV50F**	Price
3/4	230/460V, 3PH	11	21-1/16	45 GPM	1	7-1/2 x 7-1/2	7-5/16	**LC55IMV75F**	Price
1	230/460V, 3PH	11	21-1/16	50 GPM	1	7-1/2 x 7-1/2	7-5/16	**LC55IMV100F**	Price

Type - Suction Pumps									
HP	Motor	Pump Depth (in.)	OAL (in.)	GPM	Discharge (in.)	Flange Dia. (in.)	Bolt Circle (in.)	Order No.	Price
1/8	115/230V, 1PH	6	7-3/16	10 GPM	3/8	5-1/2 x 5-1/2	5-1/2	**LC55IMS08E**	Price
1/8	230/460V, 3PH	6	7-3/16	10 GPM	3/8	5-1/2 x 5-1/2	5-1/2	**LC55IMS08F**	Price
1/4	115/230V, 1PH	7	9-1/2	20 GPM	3/4	7-3/8 x 7-3/8	7-1/4	**LC55IMS25E**	Price
1/4	230/460V, 3PH	7	9-1/2	20 GPM	3/4	7-3/8 x 7-3/8	7-1/4	**LC55IMS25F**	Price
1/2	115/230V, 1PH	9-1/2	11-11/32	32 GPM	3/4	7-3/8 x 7-3/8	8-1/2	**LC55IMS50E**	Price
1/2	230/460V, 3PH	9-1/2	11-11/32	32 GPM	3/4	7-3/8 x 7-3/8	8-1/2	**LC55IMS50F**	Price
3/4	230/460V, 3PH	11	11-13/16	43 GPM	1	8 x 8	8-1/2	**LC55IMS75F**	Price
1	230/460V, 3PH	11	11-13/16	48 GPM	1	8 x 8	8-1/2	**LC55IMS100F**	Price

Graymills Multi-Stage Centrifugal Pump

Pumps for through-the-tool coolant drilling, boring, grinding and other machining operations requiring high pressure coolant delivery. These pumps are designed to meet the requirements where high pressure and flow are required to accomplish chip removal in addition to dissipate heat and lubrication

MADE IN THE USA





- Steady, pulsation-free coolant delivery
- Prevents thermal shock to cutting tool
- Permits greatly increased feed rates
- Substantially lengthens tool life
- Variable capacity: centrifugal pump design allows flow adjustment by installing valve in pump discharge line
- Abrasion resistant impellers and diffusers: high strength glass filled thermoplastic
- Mounts vertically or horizontally without loss of performance

HP	Stages	Order No.	Price
1	5	**LC55MSP5F**	Price
1.5	7	**LC55MSP7F**	Price
2	9	**LC55MSP9F**	Price
3	13	**LC55MSP13F**	Price

Graymills OEM Machine Tool Pumps

- Direct Factory Replacement for Fadal Machining Centers and many other US machine tool brands
- Durable cast iron construction
- 8" Immersion depth and narrow body provide fast, drop-in installation
- Horizontal discharge above integral mounting flange

MADE IN THE USA



HP	Flow	Order No.	Price
1/8	15 GPM	**LC55FM68HA**	Price
1/4	20 GPM	**LC55FM78HA**	Price

WESCO Coolant Pumps

- **Replacement Motor and Pump only**
- Used by many manufacturers as a standard accessory on their machine tools

MADE IN THE USA



HP	Motor	Pump Depth (in.)	GMP	Order No.	Price
1/20	115V, 60Hz, 1PH	5	6 GPM	**NY501022**	Price
1/20	115V, 60Hz, 1PH	8	6 GPM	**NY501023**	Price
1/3	115/230V, 60Hz, 1PH	8	16 GPM	**NY501026**	Price
1/2	115/230V, 60Hz, 1PH	8	24 GPM	**NY501027**	Price

Graymills Industrial Grade Coolant Pumping Systems for Machine Tools

MADE IN THE USA

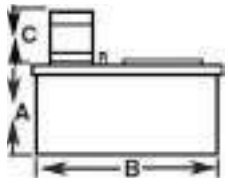
6 Gallon Pump & Tank Systems
- 18 Gauge metal construction with durable powder coated finish
- Screen bowl chip collector
- Removable recessed lid design contains spills and allows easy access
- Includes 4' flexible hose, metal flush nozzle, and flow control valve

10 Gallon Pump & Tank Systems
- 18 Gauge metal construction with durable powder coated finish
- Built-in baffle in tank to help settle out debris
- Screen bowl chip collector
- Removable recessed lid design contains spills and allows easy access
- Includes 4' flexible hose, metal flush nozzle, and flow control valve

17 Gallon Pump & Tank Systems
- 16 Gauge metal construction with durable powder coated finish
- Dual built-in tank baffles to help settle out debris
- Chip collection basket tTo catch debris
- Recessed lid design contains spills and allows easy access

21 Gallon Pump & Tank Systems
- 16 Gauge metal construction with durable powder coated finish
- Dual built-in tank baffles to help settle out debris
- Chip collection basket to catch debris
- Recessed lid design contains spills and allows easy access





Tank Cap.	HP	Motor	GPM	NPT Discharge (in.)	Max. Viscosity	A (in.)	B (in.)	C (Max.)	Width (in.)	Order No.	Price
6 Gallon	1/25	115V, 60Hz, 1PH	10 GPM	3/8	150 SSU	9	18	7-3/8	9-1/2	**LC556HR35A**	Price
6 Gallon	1/6	115V, 60Hz, 1PH	15 GPM	1/2	500 SSU	9	18	7-3/8	9-1/2	**LC556HR45A**	Price
10 Gallon	1/25	115V, 60Hz, 1PH	10 GPM	1/2	150 SSU	11-3/8	25	8-1/2	10	**LC5511HR35A**	Price
10 Gallon	1/6	115V, 60Hz, 1PH	15 GPM	1/2	500 SSU	11-3/8	25	8-1/2	10	**LC5511HR45A**	Price
17 Gallon	1/4	115/230V, 60Hz, 1PH	35 GPM	3/4	500 SSU	11-1/2	28	11-1/2	14	**LC55X17TN33E**	Price
17 Gallon	1/6	115V, 60Hz, 1PH	15 GPM	1/2	500 SSU	11-1/2	28	11-1/2	14	**LC55X17FM68HA**	Price
21 Gallon	1/2	115/230V, 60Hz, 1PH	50 GPM	1	500 SSU	9-3/4	36	10	16	**LC55X21TN41E**	Price
21 Gallon	1/4	115/230V, 60Hz, 1PH	35 GPM	3/4	500 SSU	9-3/4	36	10	16	**LC55X21TN31E**	Price

Graymills 10 Gallon Pump and Tank System

MADE IN THE USA



- 1/8 HP cast iron pump
- 10 Gallon per minute flow rate
- 16 Gauge steel tank with removable lid
- Screen bowl, chip collector
- 115/230V, 60Hz, 1PH
- 500 SSU Maximum viscosity
- Tank: 24"L x 10"W x 11"H

Includes	Order No.	Price
Pump	**LC5510IMV**	Price
Pump & Kit	**LC5510IMVS**	Price

Graymills 21 Gallon Portable Pump and Tank Systems

MADE IN THE USA

- OEM Equipment on early Haas Machine Tools
- 1/8HP Pump delivers up to 10GPM
- Chip collection basket to catch debris
- Casters allow ease of movement and positioning
- Removable recessed, multi-lid design contains spills and allows easy access
- 16 Gauge metal construction with durable powder coated finish
- Tank: 44"L x 16"W x 10"H
- 115/230V, 60Hz, 1PH



Order No.	Price
LC55X21IMVO9E	Price

Ashburn Premixer/Proportioner

- Simple and accurate premixing method
- Easily changeable metering tips (for selection ratio)
- No moving parts = no maintenance
- Designed to premix your Ashburn coolant concentrate with water at the correct proportion



Description	Order No.	Price
Premixer #6	**LK70C105006**	Price

Graymills Coolant Pump and Tank Package



- Ideal for Drill Presses, Small Grinders, Lathes, Bench Mills and Cut-Off Saws
- Heavy duty pump delivers up to 10GPM
- 5 Gallon metal container
- Abrasion resistant impeller
- Chip basket to collect debris
- Includes flexible metal hose with flow control valve
- 115V Continuous duty motor w/ on-off switch

MADE IN THE USA

Order No.	Price
LC555HR35A	Price

Ashburn Coolant Coalescer



- One step coolant maintenance
- Keeps coolant clean
- Removes tramp oil 24/7
- Keeps coolant aerated
- Provides continuous cleaning and circulation of coolant in a machine tool sump
- A skimmer head pulls dirty coolant from the sump
- It then passes through a coalescer cartridge which separates the tramp oil from the coolant and returns clean coolant to the sump

Order No.	Price
LK70C300015†	Price

Ashburn Coolant Rejuvenator

- Ashburn Coolant Rejuvenator is a sump-side additive designed to prevent rancidity and prolong the life of your coolant
- It is a concentrated additive and is normally added at 12 oz per 50 gallons of coolant



Size	Hazard Code	Order No.	Price
16 oz	HAZ57	**LK70B415216**	Price
1 Gallon	HAZ57	**LK70B415311**	Price
5 Gallon	HAZ58	**LK70B415405**	Price

WESCO Coolant Pumps and Units

Wesco Coolant Pumping Units

MADE IN THE USA



- 1/20th HP pumping units recommended for I50 SSU soluble oil and lightweight cutting oil only
- Order No. NY501025 Shown

HP	Volt	Cycle	Phase	Size	Tank Dim.	Motor Height (in.)	GPM 5 ft. Hd.	Compl. Unit in Tank	Order No.	Price
1/20	115	60	1	10 Gallon	24" L, 12-1/2" W, 9-1/2" H	5	6 GPM	Rectangle	**NY501021**	Price
1/20	115	60	1	5 Gallon	12" Dia. x 13" H	5	6 GPM	Round	**NY50521**	Price
1/3	115/220	60	1	10 Gallon	24" L, 12-1/2" W, 9-1/2" H	8	16 GPM	Rectangle	**NY501025**	Price
1/3	115/220	60	1	20 Gallon	30" L, 16" W, 10" H	8	16 GPM	Rectangle	**NY501030**	Price
1/3	115/220	60	1	36 Gallon	36" L, 18" W, 13" H	8	16 GPM	Rectangle	**NY501036**	Price
1/2	115/220	60	1	20 Gallon	30" L, 16" W, 10" H	8	24 GPM	Rectangle	**NY501035**	Price
1/2	115/220	60	1	36 Gallon	36" L, 18" W, 13" H	8	24 GPM	Rectangle	**NY501040**	Price

220 Volts, 3 phase motors also available. FOB Detroit, Michigan

WESCO Hose Assemblies



MADE IN THE USA

Description	Order No.	Price
Flex and Valve Only	**NY50WPL2**	Price
Hose Assembly with Flex and Valve	**NY50WPL1**	Price
Hose Only	**NY50WPL3**	Price

ASHBURN Dragin Pump Kit



- Designed to recover liquid from lathes, mills, grinders, sumps, etc
- Easy attachment of the pump, hose, air supply and suction hose
- Comes with: pump, 8 ft. hose, male & female camlocks, rodhose adapter, extension wand, floor tool and crevice tool

Description	Order No.	Price
Attaches to 55 Gallon Drum	**PC70DPK200**	Price

NATIONAL National Coolant Pumps

3 Gallon and 10 Gallon Flood Type



WORLD CLASS QUALITY

- Cast iron pump housing
- 3 Gal. – 11" round x 14-1/2"H
- 10 Gal. – 24" x 12" x 8"
- 1/8 HP 1720 RPM
- 6.75 GPM @ 3'
- Steel tank
- **Order No. NW55CP3 Shown**

Tank Cap.	Order No.	Price
3 Gallon	**NW55CP3**	Price
10 Gallon	**NW55CP10**	Price

ASHBURN Mist Coolant



- A heavy duty synthetic mist coolant designed for use in all mist applicators
- It keeps the cutting tool cool and provides excellent lubricity during machining operations on ferrous or non-ferrous materials
- Excellent lubricity and EP properties
- Extends tool life
- Non-irritating
- Excellent corrosion protection

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK70A609011**	Price
5 Gallon	HAZ58	**LK70A609105**	Price
55 Gallon	HAZ06	**LK70A609255†**	Price

†All 55 Gallon Drums FOB Factory

TRICO Li'L Mister® Spray System



- Compact size and 1 quart reservoir is ideal for tool room or other light duty machining applications
- Easy to mount on equipment, only needs shop air to become operational
- Nozzle mounting hardware and bracket are included for complete installation

MADE IN THE USA

Tank Capacity	Line Length	Line Material	Order No.	Price
1 Quart	1-5'	Plastic	**NW5030540**	Price

TRICO SprayMaster®

MADE IN THE USA



- Siphon-type spray coolant system for medium to heavy-duty machining operations
- One gallon capacity unit is equipped with a new large orifice nozzle built around a tough crosslinked, polyethylene housing
- Easy to read liquid level indicator, and is easy to refill

Tank Capacity	Line Length	Line Material	Order No.	Price
1 Gallon	1-5'	Armored	**NW5030542**	Price
1 Gallon	2-5'	Armored	**NW5030543**	Price

TRICO SprayMaster® Unit With Stainless Steel Tank

MADE IN THE USA



- All-welded heavy duty, 20 gauge stainless steel coolant tank with visual coolant level indicator
- Flexible, non-kinking brass armored sheeting protects the inner lines from hot chips and the nozzle can be positioned exactly where you want it
- Easy access air and liquid valves
- Molded cover has a removable cap for easy filling
- 5' Line Length

Tank Capacity	No. of Outlets	Order No.	Price
1 Gallon	1 Line	**NW5030548**	Price
1 Gallon	2 Line	**NW5030549**	Price

TRICO SprayMaster II® For NC/CNC Applications

MADE IN THE USA



- The premiere siphon system today
- Modern tooling techniques require that coolant be delivered to the cutting tool before it enters the workpiece
- Fast acting solenoids responds instantly to the command, and can easily be interfaced with NC/CNC controls for automatic operation
- Foot, remote or limit switch accessories are also available for ease of operation

Tank Capacity	Line Length	Line Material	Order No.	Price
1 Gallon	1-5'	Armored	**NW5030458**	Price
1 Gallon	2-5'	Armored	**NW5030459**	Price

TRICO MistMatic® Coolant System

MADE IN THE USA



- Allows for a wide range of coolant delivery
- Air only needed to operate pump
- HV-3100 control valve with 7" segmented plastic nozzle
- One or two outlet, brass armored lines
- Independently adjusted air and coolant allows for balancing coolant delivery
- Easy reading sight gauge
- Reservoir bracket for easy mounting directly to machining application

Tank Capacity	No. of Outlets	Line Length	Order No.	Price
1 Gallon	1 Line	5'	**NW5030600**	Price
1 Gallon	2 Line	5'	**NW5030601**	Price

LOC-LINE®

Modular Coolant Hose & Components 1/4" ID System

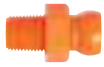
Designed to Mate with LOC-LINE Hoses & Accessories Only

- Loc-LINE® will stay in position without any spring back
- Since LOC-LINE® has a ball and socket design, bending doesn't decrease the inside diameter and won't kink like copper tubing. Also, there is no internal positioning rod that can break or restrict fluid flow
- Loc-LINE® is electrically non-conductive. It's ideal for use as an EDM flushing hose
- Loc-LINE® is designed for low pressure applications. The following maximum flow rates are recommended to avoid hose jetting 1/4" LOC-LINE® – 250 gallons/hour
- Hose Kit includes hose (approx. 13"), 1/8, 1/4" NPT connectors, 1/16, 1/8, 1/4" nozzles

1/4" ID System Nozzles

Item	Description	Pkg. Qty	Order No.	Price
	1/16" 90 Degree Nozzle	4	**LV5541470**	Price
	1/16" 90 Degree Nozzle	20	**LV5549439**	Price
	1/4" Elbow	2	**LV5541415**	Price
	1/16" Round Nozzle	4	**LV5541402**	Price
	1/4" Elbow	20	**LV5549435**	Price
	1/16" Round Nozzle	50	**LV5549422**	Price
	1/4" T Fitting	2	**LV5541416**	Price
	1/4" T Fitting	20	**LV5549436**	Price
	1/8" 90 Degree Nozzle	4	**LV5541471**	Price
	1/8" 90 Degree Nozzle	20	**LV5549440**	Price
	1/8" Round Nozzle	4	**LV5541403**	Price
	1/8" Round Nozzle	50	**LV5549423**	Price
	1/4" 90 Degree Nozzle	4	**LV5541472**	Price
	1/4" 90 Degree Nozzle	20	**LV5549441**	Price
	1/4" 90 Degree Spray Bar Nozzle	2	**LV5541473**	Price
	1/4" 90 Degree Spray Bar Nozzle	20	**LV5549442**	Price
	1/4" Round Nozzle	4	**LV5541404**	Price
	1/4" Round Nozzle	50	**LV5549424**	Price
	1/4" Swivel Nozzle-40	2	**LV5541481**	Price
	1/4" Swivel Nozzle-40	20	**LV5549449**	Price
	1/4" Swivel Nozzle-60	2	**LV5541482**	Price
	1/4" Swivel Nozzle-60	20	**LV5549450**	Price
	1" Flare Nozzle	2	**LV5541407**	Price
	1" Straight Flow Nozzle	2	**LV5541489**	Price
	1" Straight Flow Nozzle	20	**LV5549456**	Price
	2-1/2" Swivel Nozzle-75	2	**LV5541488**	Price
	2-1/2" Swivel Nozzle-75	20	**LV5549455**	Price

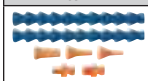
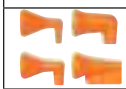
1/4" ID System-Valves, Fittings & Connectors

Item	Description	Pkg. Qty	Order No.	Price
	1/8" BSPT Fitting	4	**LV5541417**	Price
		50	**LV5549437**	Price
	1/8" NPT Connector	4	**LV5541405**	Price
		50	**LV5549425**	Price
	1/4" BSPT Fitting	4	**LV5541418**	Price
		50	**LV5549438**	Price
	1/4" Double Socket	4	**LV5541409**	Price
		20	**LV5549429**	Price
	1/4" Female NPT Valve	2	**LV5521193**	Price
		10	**LV5529453**	Price
	1/4" Flare Nut Adaptor	4	**LV5541414**	Price
	1/4" In-Line Check Valve	2	**LV5521191**	Price
		10	**LV5529451**	Price
	1/4" In-Line Valve	2	**LV5521194**	Price
		10	**LV5529454**	Price
	1/4" Male NPT Valve	2	**LV5521192**	Price
		10	**LV5529452**	Price
	1/4" NPT Connector	4	**LV5541406**	Price
		50	**LV5549426**	Price
	1/4" SAE Flare Nut Adaptor	20	**LV5549434**	Price
	1/4" Socket to 1/8" FNPT	4	**LV5541411**	Price
		20	**LV5549431**	Price
	1/4" Y Fitting	2	**LV5541408**	Price
		20	**LV5549428**	Price
	3/8" Flare Nut Adaptor	4	**LV5541412**	Price
		20	**LV5549432**	Price

1/4" ID System Hoses

Item	Description	Pkg. Qty	Order No.	Price
	1/4" Extended Elbows	4	**LV5541491**	Price
		20	**LV5549457**	Price
	1/4" Hose Segment	2	**LV5541401**	Price
		5 ft/Coil	**LV5549419**	Price
		25 ft/ Box	**LV5549420**	Price
		50 ft/Coil	**LV5549421**	Price

1/4" ID System Kits

Item	Description	Pkg. Qty.	Order No.	Price
	1/4" Hose Assembly Kit - 13" Hose w/ Fittings	1	**LV5540413**	Price
	1/4" Flared Tubing Replacement Pack	21	**LV5540452**	Price
	1/4" 90 Degree Nozzle Kit (Pack of 4)	4	**LV5541474**	Price
	1/4" Nozzle-Rama Pack	16	**LV5541490**	Price

LOC-LINE®

Modular Coolant Hose & Components
1/2" & 3/4" ID System
Designed to Mate with LOC-LINE®
Hoses & Accessories Only

- Loc-LINE® will stay in position without any spring back
- Since LOC-LINE® has a ball and socket design, bending doesn't decrease the inside diameter and won't kink like copper tubing. Also, there is no internal positioning rod that can break or restrict fluid flow
- Loc-LINE® is electrically non-conductive. It's ideal for use as an EDM flushing hose
- Loc-LINE® is designed for low pressure applications. The following maximum flow rates are recommended to avoid hose jetting
  1/2" LOC-LINE® – 478 gallons/hour
  3/4" LOC-LINE® – 1,140 gallons/hour

1/2" ID System:
Hose Kit includes hose (approx. 13") with 3/8, 1/2" NPT connectors, 1/4, 1/2, 3/8" nozzles
3/4" ID System:
Hose Kit includes hose (approx. 14") with 3/4 NPT connector, 3/4 and 5/8" nozzles

1/2" ID System- Kits

Item	Description	Pkg. Qty	Order No.	Price
	1/2" 90 Degree Nozzle Kit (Pack of 4)	4	**LV5551832**	Price
	1/2" Extended Elbow Kit	8	**LV5550872**	Price
	1/2" Extended Elbows & Clamp (Pack of 4)	4	**LV5550874**	Price
	1/2" Hose Kit Contains Hose - 13", Nozzles - 3/8", 1/2", 1/4", NPT Male Connectors - 3/8", 1/2"	6	**LV5550813**	Price
	1/2" Nozzle-Rama Pack	16	**LV5551849**	Price

3/4" ID System- Kit

Item	Description	Pkg. Qty	Order No.	Price
	3/4" Hose Kit Contains Hose - 14", Nozzles - 5/8", 3/4", NPT Male Connector - 3/4"	4	**LV5560513**	Price

1/2" ID System- Nozzles

Item	Description	Pkg. Qty	Order No.	Price
	1/4" Round Nozzle	4	**LV5551806**	Price
		50	**LV5559866**	Price
	3/8" Round Nozzle	4	**LV5551802**	Price
		50	**LV5559862**	Price
	1/2" Round Nozzle	4	**LV5551803**	Price
		50	**LV5559863**	Price
	1/4" 90 Degree Nozzle	20	**LV5559878**	Price
		4	**LV5551828**	Price
	3/8" 90 Degree Nozzle	20	**LV5559879**	Price
		4	**LV5551829**	Price
	1/2" 90 Degree Nozzle	20	**LV5559880**	Price
		4	**LV5551830**	Price
	1/2" Spray Bar Nozzle	2	**LV5551831**	Price
		20	**LV5559881**	Price
	1/2" Elbow	2	**LV5551824**	Price
	1-1/4" Flare Nozzle	2	**LV5551807**	Price
		20	**LV5559867**	Price
	2-1/2" Flare Nozzle	2	**LV5551809**	Price
		20	**LV5559871**	Price
	1-1/4" Straight Flow Nozzle	2	**LV5551847**	Price
		20	**LV5559897**	Price
	1-5/8" Straight Flow Nozzle	2	**LV5551848**	Price
		20	**LV5559898**	Price
	2-1/2" Swivel Nozzle-75	2	**LV5551845**	Price
		20	**LV5559895**	Price

3/4" ID System- Nozzles

Item	Description	Pkg. Qty	Order No.	Price
	5/8" Round Nozzle	4	**LV5561503**	Price
		50	**LV5569543**	Price
	3/4" Round Nozzle	4	**LV5561502**	Price
		50	**LV5569542**	Price
	3" Flare Nozzle	2	**LV5561507**	Price
		20	**LV5569547**	Price

1/2" ID System- Hoses

Item	Description	Pkg. Qty	Order No.	Price
	1/2" Extended Elbow	4	**LV5551896**	Price
		20	**LV5559899**	Price
	1/2" Hose Segment	2	**LV5551801**	Price
		5 ft/ Coil	**LV5559859**	Price
		25 ft/ Box	**LV5559860**	Price
		50 ft/ Coil	**LV5559861**	Price

3/4" ID System- Hoses

Item	Description	Pkg. Qty	Order No.	Price
	3/4" Hose Kit Contains Hose - 14", Nozzles - 5/8", 3/4", NPT Male Connector - 3/4"	4	**LV5560513**	Price
	3/4" Hose Segment	2	**LV5561501**	Price
		5 ft/ Coil	**LV5569539**	Price
		25 ft/ Box	**LV5569540**	Price
		50 ft/ Coil	**LV5569541**	Price

1/2" ID System- Valves, Fittings & Connectors

Item	Description	Pkg. Qty	Order No.	Price
	3/8" BSPT Connector	4	**LV5551826**	Price
		50	**LV5559876**	Price
	1/2" BSPT Connector	4	**LV5551827**	Price
		50	**LV5559877**	Price
	3/8" NPT Connector	4	**LV5551804**	Price
		50	**LV5559864**	Price
	1/2" NPT Connector	4	**LV5551805**	Price
		50	**LV5559865**	Price
	3/8" SAE Flare Nut Adapter	4	**LV5551823**	Price
		20	**LV5559873**	Price
	1/2" Double Socket	4	**LV5551811**	Price
		20	**LV5559872**	Price
	1/2" Female NPT Valve	2	**LV5532093**	Price
		10	**LV5539853**	Price
	1/2" Male NPT Valve	1	**LV5532092**	Price
		10	**LV5539852**	Price
	1/2" Fixed Mount	2	**LV5551895**	Price
		20	**LV5559896**	Price
	1/2" In-Line Check Valve	2	**LV5532091**	Price
	1/2" In-Line Valve	2	**LV5532094**	Price
		10	**LV5539854**	Price
	1/2" Y Fitting	2	**LV5551808**	Price
		20	**LV5559868**	Price
	1/2" to 1/4" Adapter	2	**LV5551821**	Price
		20	**LV5559869**	Price
	1/2" to 1/4" Y Reducer	2	**LV5551822**	Price
		20	**LV5559870**	Price
	1/2" Magnetic Base	1	**LV5551846**	Price

3/4" ID System- Valves, Fittings & Connectors

Item	Description	Pkg. Qty	Order No.	Price
	3/4" BSPT Connector	4	**LV5561509**	Price
		50	**LV5569549**	Price
	3/4" Double Socket	4	**LV5561514**	Price
		20	**LV5569554**	Price
	3/4" Elbow Fitting	2	**LV5561515**	Price
		20	**LV5569555**	Price
	3/4" Female NPT Valve	2	**LV5561517**	Price
		10	**LV5569557**	Price
	3/4" Male NPT Valve	2	**LV5561516**	Price
		10	**LV5569556**	Price
	3/4" NPT Connector	4	**LV5561505**	Price
		50	**LV5569545**	Price
	3/4" In-Line Valve	2	**LV5561518**	Price
		10	**LV5569558**	Price
	3/4" Y Fitting	2	**LV5561511**	Price
		20	**LV5569551**	Price
	3/4" to 1/2" Adapter	2	**LV5561508**	Price
		20	**LV5569548**	Price
	3/4" to 1/2" Y Reducer	2	**LV5561512**	Price
		20	**LV5569552**	Price

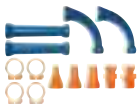
LOC-LINE Extended Elements & Clamps

Clamps Tighten over Socket to Reduce Mobility of Joints

Extended elements and clamps can be used together to run longer lengths of Loc-Line and resist dynamic motion at higher pressures

- Extended elements 3-1/2" Long
- Ball and sockets are interchangeable with standard Loc-Line parts
- Clamps tighten with Torx T-15 screwdriver

Hose ID - 1/4				
Item	Description	Pkg. Qty	Order No.	Price
	1/4" Element Clamp	4	LV5541477	Price
		20	LV5549446	Price
	1/4" Extended Element	4	LV5541476	Price
		20	LV5549445	Price
	Kit - 4 Extended Elements with Clamps	1	LV5541475	Price
	1/4" Mixed Element Kit - 2 Extended Elbows, 2 Extended Elements, 4 Element Clamps, 1/8" & 1/4" NPT Connectors, 1/4", 1/8", 1/16" Nozzles	1	LV5540473	Price

Hose ID - 1/2				
Item	Description	Pkg. Qty	Order No.	Price
	1/2" Element Clamp	4	LV5551834	Price
		20	LV5559884	Price
	1/2" Extended Element	4	LV5551833	Price
		20	LV5559883	Price
	1/2" Extended Element Kit - 4 Extended Elements with Clamps	1	LV5551835	Price
	1/2" Mixed Element Kit - 2 Extended Elbows, 2 Extended Elements, 4 Element Clamps, 3/8" & 1/2" NPT Connectors, 1/2", 3/8", 1/4" Nozzles	1	LV5550873	Price

LOC-LINE Modular Coolant Hose Assembly Pliers

Designed to mate with Loc-Line® hoses and accessories only

			Coolant Hose System Component	
Item	Description	Pkg. Qty	Order No.	Price
	1/4" Assembly Plier	1	LV5578001	Price
	1/2" Assembly Plier	1	LV5578002	Price
	3/4" Assembly Plier	1	LV5578004	Price
	1/4" & 1/2" Assembly Pliers	2	LV5578003	Price

LOC-LINE Total Flow Control Manifolds

Modular Coolant Hose Systems

- 1/4" Turn shut off valves allow flow control to modular manifold and individual lines
- Allow flexibility to shut off unneeded coolant lines
- Comes complete with 3 pcs "T" fittings, elbow, mounting bracket, 3 pcs screws and 5 pcs in-line valves

Item	Description	Order No.	Price
	1/4" Total Flow Control Manifold	LV5521198	Price
	1/2" Total Flow Control Manifold	LV5532098	Price

LOC-LINE Quick- Set™ Shields

All Quick-Set Shield Kits include a 14" adjustable 3/4" Loc-Line arm, magnetic base and fitting for fixed mounting.

Type - Kit				
Item	Description	Pkg. Qty	Order No.	Price
	6" x 8" Quick Set Small Shield Kit	1	LV5560525	Price
	7-1/2" x 10"Quick Set Medium Shield Kit	1	LV5560526	Price
	8-1/2" x 1/2" Quick Set Large Shield Kit	1	LV5560527	Price

Type - Mounting Component				
Item	Description	Pkg. Qty	Order No.	Price
	3/4" Fixed Mount	2	LV5560533	Price
	3/4" Fixed Mount	20	LV5569563	Price
	3/4" Magnetic Base	1	LV5560532	Price
	Shield Mounting Elbow	2	LV5560531	Price

Type - Replacement Sheild				
Item	Description	Pkg. Qty	Order No.	Price
	6" x 8" Replacement Shield Small	1	LV5560528	Price
	7-1/2" x 10" Replacement Shield Medium	1	LV5560529	Price
	8-1/2" x 12" Replacement Shield Large	1	LV5560530	Price

LOC-LINE Circle Flow Nozzles

Adjustable Coolant Hose Systems- 1/4" & 1/2" ID

Circle Flow Nozzle Kit are assembled with (15) Side flow nozzles and (1) End cap allowing the user to completely encircle the cutter.

- Side flow nozzles can be added or subtracted to accommodate different diameter cutters
- Can be precisely aimed to help remove chips
- Can be shaped into a variety of configurations to accommodate specific applications

Hose ID - 1/4				
Item	Description	Pkg. Qty	Order No.	Price
	1/4" Circle Flow Nozzle Kit - 15 Side Flows with End Cap	1	LV5541479	Price
	1/4" End Cap	4	LV5541480	Price
		20	LV5549447	Price
	1/4" Side Flow Nozzle	4	LV5541478	Price
		20	LV5549443	Price

Hose ID - 1/2				
Item	Description	Pkg. Qty	Order No.	Price
	1/2" Circle Flow Nozzles with 15 Side Flows & End Caps (Pack of 1)	1	LV5551837	Price
	1/2" End Cap	4	LV5551838	Price
		20	LV5559885	Price
	1/2" Side Flow Nozzle	4	LV5551836	Price
		20	LV5559889	Price

LOC-LINE Magnetic Base Manifolds

Create Custom Coolant Solutions

Magnetic manifolds allow distribution of coolant through 4 seperate opening from one source. Can be mounted on the spindle or work table for convienient access

Magnetic Base Manifold Super Kit

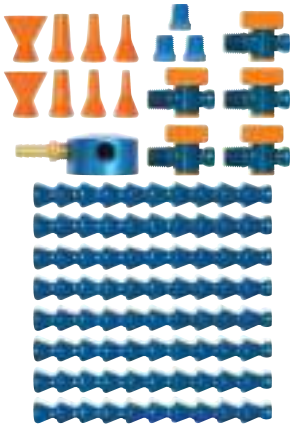
- 8 - 1/4" Segments
- 5 - 1/4" MNPT valves
- 2 - 1" Flare nozzle
- 2 - 1/4" Round nozzle
- 2 - 1/8" Round nozzle
- 2 - 1/16" Round nozzle
- 2 -1/4" Plug
- 1 - 1/4" Barb fitting
- 1 - Mag. base manifold

40463 Magnetic Manifold Kit

- 1 - Mag. base manifold
- 2 - 1/4" Segments
- 3 - 1/4" NPT plug
- 1 - 1/4" MNPT valve
- 1 - 1" Flare nozzle
- 1 - 1/4" Round nozzle
- 1 - 1/8" Round nozzle
- 1 - 1/16" Round nozzle
- 1 - 1/4" Barb fitting

40400 Magnetic Base Manifold

- 1 - Mag. base manifold
- 3 - 1/4" Plugs
- 1 - 1/4" Barb fitting



Description	Order No.	Price
1/4" Magnetic Base Manifold Kit with 2 segments, valve, nozzle	**LV5540463**	Price
1/4" Magnetic Base Manifold Kit with 5 ports with plugs & barbs	**LV5540400**	Price
Magnetic Base Manifold Super Kit (25 Pcs.)	**LV5540480**	Price

CEDARBERG Magna-Flow

Efficient Air/Liquid Flow Control that Delivers Air/Liquid Where it's Needed



Features:

- Two models available
- Fully assembled with 9″ hose lengths and 1/8″ nozzles
- Magnetic base (38 lb/pull) holds unit firmly in position
- Flow control valve allows convenient air/coolant adjustment near work
- Barbed connection easily adapts to regulated shop air or machine coolant pump
- Made of high quality non-corrosive materials

Benefits:

- Eliminates awkward hose support and adjustment
- Quick set-up, tear-down, and transfer to other machines
- Flexible hose can be easily directed
- Delivers air/coolant to those hard-to-reach places
- Extends tool life with precise coolant delivery
- Clears chips from work place for easier visual inspection
- Stays in position



Size	Order No.	Price
9" Double	**LV508525263**	Price
9" Single	**LV508525262**	Price

wiha MaxiFlex Coolant Hose System

- Non-conductive
- For low pressure coolant flow applications
- Won't kink, maintains even flow rates
- Now in single unit packs, buy only what you need!

Item	Hose ID (in.)	Style	Order No.	Price
	1/4	1/4" Hose Kit 13" Length w/ fittings 7/32", 1/8", 1/16", Nozzles 1/4" & 1/8" NPT connectors	**KN5434490**	Price
	1/4	1/4" Hose 11" Length (22 Segments)	**KN5434402**	Price
	1/4	1/8" Nozzle	**KN5434406**	Price
	1/4	1/8" NPT Connector	**KN5434426**	Price
	1/4	1/4" NPT Connector	**KN5434428**	Price
	1/2	1/2" Hose Kit 13" Length w/ fittings Straight, 90° & Spray Bar 1/2" & 3/8" NPT connectors	**KN5434090**	Price

NATIONAL Mist Coolant Hose Assembly

with Magnetic Base

- 100 lb Magnetic pull
- 2-1/4″ Flexible coolant hoses
- On/off magnetic base



Order No.	Price
NW55H54	Price

NOGA Vari High Pressure Cool Arm

- Long articulated arms provide full axis rotation
- Sturdy tightening fixtured for total stability
- Includes CA1010 hex key and CA1004 nozzle 4mm standard



Size	Order No.	Price
238mm OAL, 1/4" NTP thread	**LV40CA3000**	Price

NOGA Mini-Cool Cutting Fluid Applicator

For maximum heat dissipation and extended tool life

- Strong popeye magnetic base
- Separate on/off air and fluid controls
- Stainless steel armored siphon hose and air hose
- Nozzle connected via Loc-Line® flexible hose



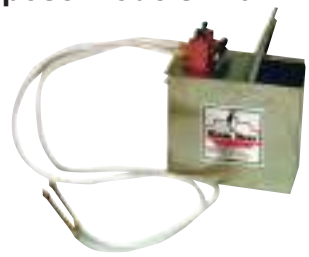
Description - Double Line Unit				
Air Hose Length (in.)	Siphon Hose Length (in.)	Spary Line Length	Order No.	Price
40	40	10"	**LV40MC3000**	Price
40	40	13"	**LV40MC3100**	Price
40	40	18-1/2"	**LV40MC3200**	Price

Description - Single Line Units				
Air Hose Length (in.)	Siphon Hose Length (in.)	Spary Line Length	Order No.	Price
40	40	10"	**LV40MC1700**	Price
40	40	13"	**LV40MC1800**	Price
40	40	18-1/2"	**LV40MC2000**	Price

Kool Mist General Purpose Models with Stainless Steel Tanks

- All models have 4' long braided nylon reinforced coolant lines with 6" long brass nozzle

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Tank Capacity	No. of Outlets	Order No.	Price
1 Gallon	1 Line	**NZ50100N**	Price
1 Gallon	2 Line	**NZ50102N**	Price
3 Gallon	1 Line	**NZ50350N**	Price
3 Gallon	2 Line	**NZ50352N**	Price

Mist Coolant Unit

- Powered by shop air. Min. 60 psi; Max 125 psi
- Individual air and liquid valves for full control of mist from a fine fog to a drenching spray
- Braided fabric cover protects suction tube
- Powerful magnet base holds fast to any flat steel surface
- Spout swivels 360°



Order No.	Price
LW50270A	Price

Kool Kit LITE Starter Special

- One Model 100N mist coolant system with one gallon stainless steel tank
- One adjustable magnetic nozzle positioner
- One gallon Formula 78 concentrated coolant
- One sample Formula 77 concentrated coolant

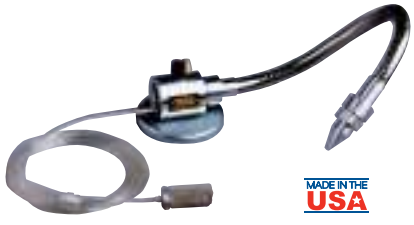
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Hazard Code	Order No.	Price
HAZ57	**NZ50500**	Price

TRICO DL Magnum Spray Cooling System

- Designed to deliver efficient cutting tool cooling performance
- Advanced nozzle design offers increased chip clearing power and reduced overspray
- Independent liquid and air controls allows maximum control
- Heavy duty 1/4 NPT metal nozzle conduit for maximum durability



MADE IN THE USA

- 60 Pound mounting magnet stays in place while offering maximum mounting flexibility
- Check valve minimizes delay of fluid delivery upon start-up
- Pick up filter prevents clogging

Includes	PSI	Flow Rate	Order No.	Price
DL Magnum	60-120	0-20 cc/min	**NW5030632**	Price
DL Magnum plus 1 Quart Tri-Cool	60-120	0-20 cc/min	**NW5030633**	Price

TRICO Type DL Spray Unit with quart of Tri-Cool® Coolant – FREE!

- 7" Segmented plastic nozzle
- Solid brass valve body
- 60-pound magnetic base
- 7' Siphon line with stainless steel filter
- Offers all the advantages of spray cooling without a tank
- Simple to use
- Easy to assemble

MADE IN THE USA



Order No.	Price
NW5030655	Price

Kool Kit LITE Light Duty Coolant System

- 2' Long nylon einforced coolant line with 4" long brass nozzle & 4' long siphon line
- Includes mounting bracket & magnetic nozzle positioner
- No coolant take furnished

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Size	Includes	Order No.	Price
24"	Mounting Bracket	**NZ5080S**	Price
24"	Mounting Bracket & Magnetic Nozzle Positioner	**NZ5080SM**	Price

Kool Mist Automatic Mist Coolant Systems without tanks

- Equipped with 4' long braided nylon reinforced coolant line with 6" long brass nozzle
- Units have 4' long siphoning line and ball check strainer for use with customer's own tank

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Type	Order No.	Price
Single Line Misting Unit	**NZ50100AP**	Price

Kool Mist PORTaMIST Units Without Tanks

- Portable, quick set-up magnetic unit with 12" LOC-LINE® Nozzle Positioner
- Unit equipped with nylon reinforced air line and 4' long siphoning line

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Size	Order No.	Price
12"	**NZ5060M**	Price
18"	**NZ5060M18**	Price

Kool Mist Mist Coolant Generator

MADE IN THE USA

- Comes equipped with dovetail mounting bracket and one 4' metal braid covered coolant line with adjustable nozzle plus your choice of straight, 45° or 90° x 6" long brass probe
- Provides for addition of three more coolant lines as you need them
- K-75K contains everything required to add additional outlets to K-75 unit



Description	Order No.	Price
Extra Outlet Kit	**NZ50K75K**	Price
Mist Coolant Generator	**NZ50K75**	Price

Kool Mist Replacement Coolant Lines

MADE IN THE USA

Size	Style	Order No.	Price
2 qt	Light Duty	**NZ50SCL2**	Price
3 qt	Heavy Duty	**NZ50MCL3**	Price
4 qt	Heavy Duty	**NZ50MCL4**	Price
4 qt	Light Duty	**NZ50SCL4**	Price

Kool Kit LITE

MADE IN THE USA

Kit Contains:

- One Model 80S mist coolant system
- One Model 200 adjustable magnetic nozzle positioner
- One gallon Formula 78 concentrated coolant
- One sample Formula 77 concentrated coolant
- Hazard Code: 58



Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**NZ50580**	Price

Noga-Cool Manifold Spray unit

- Strong popeye magnetic base
- 12-1/2" Loc-line® flex hose
- Supplied with 3 nozzles 1/16", 1/8", 1/4"
- Working pressure (30-50 psi)



Order No.	Price
LV40MC1601	Price

Monroe Fluid Technology X-15 Misting Unit®

- Flexible tube
- Powerful magnetic base
- For boring, milling, grinding or drilling



Order No.	Price
LK5084500	Price

Kool Mist PORTaMIST Kit

MADE IN THE USA

Kit contains:

- One PORTaMIST Model 60M Unit including air and coolant hoses, heavy duty magnetic base, simple single knob control, and 12" flexible LOC-LINE® positioner
- One gallon Kool Mist Formula 78 concentrated coolant
- One sample Formula 77 concentrated coolant (4 oz)
- Anti syphon check valve
- Adjustable nozzle for light to heavy spray
- Single air-coolant mixture control
- Air hose Fitting



Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**NZ50560**	Price

Kool Mist Mist or Flood Coolants

- Safe for your people
- Safe for your materials
- Safe for the environment
- Safe for your machines
- **Formula 78:** For light duty. Is a chemical base mist coolant that dissolves in water to a clear solution. Can be used on any metal or alloy.
- **Formula 77:** For tougher service. Is highly recommended for mist cooling any metal or alloy where tougher machining condition requires greater lubricity.



		Formula 77 Coolants		Formula 78 Coolants	
Size	Hazard Code	Order No.	Price	Order No.	Price
1 Gallon	HAZ57	**NZ50771**	Price	**NZ50781**	Price
5 Gallon	HAZ58	**NZ50775**	Price	**NZ50785**	Price
55 Gallon	HAZ06	**NZ507755†**	1982.00	**NZ507855†**	Price

†All 55 Gallon Drums FOB Factory

Rustlick Coolant Change-Over Kit

Includes:

- 16 oz Triadine20® Micro-biostat treats bacteria and fungus in coolants (for coolant treatment before and after recharge)
- 1 Gal Kleenzol®DY General purpose sump & shop cleaner (for cleaning of empty sump before recharge)
- 12 oz Rustlick® 606 Moisture-absorbing rust preventative



Temperature Range	Order No.	Price
Triadine 20: 266°F (FlashPoint), 606 Aerosol: Neg 156°F (FlashPoint), KleenzolDY: 200°F(FlashPoint)	**LK6078000**	Price

Kool Mist Nozzle Positioners - Magnetic

- Magnetic nozzle
- For portable use

MADE IN THE USA



Description	Order No.	Price
Magnetic Nozzle, for Portable Use	**NZ50205**	Price
Non-Magnetic Nozzle for Permanent Mounting	**NZ50305**	Price

UNIST Coolube® Lubricants

Coolube® 2210:

- USDA Certified Biobased Product
- Cutting fluid improves performance and increases life of cutting tools, taps, and saw blades
- Machining oil is good for metals, wood, rubber, and most plastics
- Especially effective on aluminum and other non-ferrous metals
- Great for wearpoint lubrication
- Extreme temperature environments (-20°F to 400°F)



Coolube® 2210AL:

- Provides specific benefits when machining aluminum
- Derived from natural vegetable oils, environmentally friendly and there are no VOC's
- Mild odor
- Clear appearance
- Insoluble water solubility
- >199°F (93°C) flash point

Coolube® 2210EP:

- Special formulation ideal for ferrous metals
- Works with all non-ferrous metals except copper
- Does not contain any ingredients currently recognized as hazardous by OSHA, IARC or NIP
- Formulated from cosmetic grade raw materials and is entirely worker and environmentally safe
- Improves performance and increases life of cutting tools, taps and saw blades
- Extreme temperature environments (-20°F to 400°F)

Description - Metal cutting oil and lubricant for metals, wood, rubber, and most plastics. 100% Natural vegetable based. Worker and environmentally safe.			
Size	**Hazard Code**	**Order No.**	**Price**
1 Gallon	HAZ57	**UN102210**	Price
(4) 1 Gallon	HAZ57	**UN1022104**	Price
5 Gallon	HAZ58	**UN1022105**	Price

Description - MQL lubricant formulated specifically for Aluminum. It features enhanced lubricity with all grades of Aluminum and longer stability under load. No odor and does not cause skin, eye, or throat irritation.			
Size	**Hazard Code**	**Order No.**	**Price**
1 Gallon	HAZ57	**UN102210AL**	Price
(4) 1 Gallon	HAZ57	**UN102210AL4**	Price
5 Gallon	HAZ58	**UN102210AL5**	Price

Description - Special formulation ideal for ferrous metals. Its 100% natural base with extreme pressure additives will not oxidize. Worker and environmentally safe.			
Size	**Hazard Code**	**Order No.**	**Price**
1 Gallon	HAZ57	**UN102210EP**	Price
(4) 1 Gallon	HAZ57	**UN102210EP4**	Price
5 Gallon	HAZ58	**UN102210EP5**	Price

F.O.B. Factory

Accu-Lube Applicators

- Eliminate Food Coolant with the Accu-Lube® Minimum Quantity Lubrication (MQL) System for Near Dry Machining
- The Accu-Lube® True MQL System utilizes a precision positive-displacement pump to apply micro amounts of organic-based lubricants directly to the cutting tool edge (completely eliminating mist or fog created by common spray mist systems)
- Provides superior tool life vs. flood coolants and mist systems
- Specialty nozzles are available for various machining/cutting applications.
- After market-service and replacement parts available



	1 Nozzle		2 Nozzle	
Description	**Order No.**	**Price**	**Order No.**	**Price**
Advantage	**LK6001C0STD**	Price	**LK6002C0STD**	Price
Aluminum Electric	**LK6001A1STD**	Price	**LK6002A1STD**	Price
Aluminum Manual	**LK6001A0STD**	Price	**LK6002A0STD**	Price
Band Saw Junior Applicator	**LK6001D0SAW**	Price	-	-
Junior Applicator	**LK6001D0STD**	Price	**LK6002D0STD**	Price
With Magnetic Mounts	**LK6001A0DMO**	Price	**LK6002A0DMO**	Price

TRICO MD-1200 Micro-Drop® Dispensers

Features:

- Offers higher material removal rates, improved part finish, longer tool life and tighter dimensional tolerances
- Positive pressure design gives instant fluid delivery
- Nozzle design eliminates fogging for greater chip clearing, faster feeds & speeds
- Independent line adjustment allows for two operations at the same time
- Individual, high resolution, air and liquid controls offer flexibility
- Solenoid versions offer interface capability for CNC and other automated applications
- Relative liquid scale allows repeatable setups and saves time in adjusting flow rate



		Copper Nozzle		Loc-Line Nozzle	
No. of Outlets	**Description**	**Order No.**	**Price**	**Order No.**	**Price**
1 Line	Manual On/Off	**NW5030813**	Price	**NW5030801**	Price
1 Line	Solenoid On/Off	**NW5030817**	Price	**NW5030805**	Price
2 Line	Manual On/Off	**NW5030814**	Price	**NW5030802**	Price
2 Line	Solenoid On/Off	**NW5030818**	Price	**NW5030806**	Price

TRICO Advanced Lubricant Micro-Drop® System

MADE IN THE USA

- Non-drying formula
- A high lubricity factor that minimizes friction
- Using as little as one ounce per nozzle for an eight-hour shift
- Long shelf life
- Won't attack metal, plastic or paint
- Eliminates disposal and cleanup - problems
- Zero toxicity



Style - Synthetic Lubricant			
Size	**Hazard Code**	**Order No.**	**Price**
1 Gallon	HAZ57	**NW5030659**	Price
5 Gallon	HAZ58	**NW5030662**	Price
55 Gallon	HAZ06	**NW5030663†**	Price

† All 55 Gallon Drums FOB Factory

MQL Applicators



Minimum Quantity Lubrication(MQL) Systems for near dry machining. Systems use a precision positive displacement pump to apply minute amounts of vegetable/organic-based lubricants directly to the cutting tool or saw blade edge. Eliminate mist or fog from common spray mist systems while providing the best possible tool life. All applicators should use Unist Coolube lubricants only.

Coolubricator JR Single Point Portable Lubricator



- Continuous precision output
- Reduces fluid use and increases tool life
- Separate air and fluid control
- Includes 15' coaxial polyurethane hose and 16 oz. reservoir
- Lifetime pump warranty*

No. of Nozzles	Nozzle Type	Enclosure Type	Mounting	On/Off	Order No.	Price
1	12" Semi-Rigid Copper	None	Magnet	Manual	**UN10CJ1M161512C**	Price
1	18" Flexible Plastic	None	Magnet	Manual	**UN10CJ1M161518P**	Price
2	18" Flexible Plastic	None	Magnet	Manual	**UN10CJ2M161518P**	Price

*** Must be used with recommended Unist Coolube to qualify for warranty**

Coolubricator - Minimum Quality Lubrication



- For milling, turning, broaching, routing, drilling, tapping, and CNC machining
- Continuous precision output
- Reduces fluid use and increases tool life
- Separate air and fluid control
- Includes 15' coaxial polyurethane hose and 16 oz. reservoir
- Lifetime pump warranty*

No. of Nozzles	Nozzle Type	Enclosure Type	Mounting	On/Off	Order No.	Price
1	12" Semi-Rigid Copper	Standard	Direct	Manual	**UN10L1EM161512C**	Price
1	18" Flexible Plastic	Lockable	Magnet	Solenoid	**UN10CK1M161518P**	Price
1	12" Semi-Rigid Copper	Standard	Direct	Solenoid	**UN10L1ES161512C**	Price
2	12" Semi-Rigid Copper	Standard	Direct	Manual	**UN102EM161512C**	Price
2	18" Flexible Plastic	Lockable	Magnet	Manual	**UN10CK2M161518P**	Price
2	12" Semi-Rigid Copper	Standard	Direct	Solenoid	**UN102ES161512C**	Price

*** Must be used with recommend Unist Coolube to qualify for warranty**

Bandsaw Lubricator - Up to 2" Band Width



- Continuous precision output
- Lubricates blade and gullet
- Reduces fluid use and increases tool life
- Separate air and fluid control
- Includes 15' single line coiled and 16 oz. reservoir
- Lifetime pump warranty*

No. of Nozzles	Nozzle Type	Enclosure Type	Mounting	On/Off	Order No.	Price
1	Collapsible	Standard	Direct	Manual	**UN101EM1615COL**	Price
1	Collapsible	Standard	Direct	Solenoid	**UN10L1ES1615COL**	Price
2	Collapsible & Guide	Standard	Direct	Manual	**UN102EM1615COGU**	Price
2	Collapsible & Guide	Standard	Direct	Solenoid	**UN102ES1615COGU**	Price

*** Must be used with recommended Unist Coolube to qualify for warranty**

3" Bat Nozzle Saw Blade Lube System for Circular Saw



- Continuous precision output
- Lubricates blade and gullet
- Reduces fluid use and increases tool life
- Separate air and fluid control
- Includes 15' single line coiled and 16 oz. reservoir
- Lifetime pump warranty*

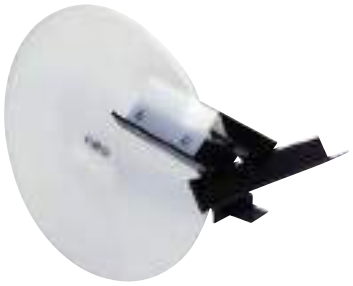
No. of Nozzles	Nozzle Type	Enclosure Type	Mounting	On/Off	Order No.	Price
1	3" Bat Nozzle	Standard	Direct	Manual	**UN10L1EM16153S3**	Price
1	3" Bat Nozzle	Standard	Direct	Solenoid	**UN10L1ES16153S3**	Price
1	3" Bat Nozzle	None	Magnet	Manual	**UN10J1EM16153S3**	Price

*** Must be used with recommend Unist Coolube to qualify for warranty**

Zebra Skimmers Original Disk Skimmer

MADE IN THE USA

- Removes tramp oils from coolant sump
- **Lifetime warranty** on disk and wipers
- Continuous-duty, fan cooled motor with **two year warranty**
- Shipping weight: 9 lbs.
- Easy to mount
- 5 Gallon per hour capacity



Size (in.)	Removal Rate	Reach	Order No.	Price
12	7 RPM	4.5	**NY40LH300**	Price
18	7 RPM	7.5	**NY40LH460**	Price

Zebra Skimmers Smart Disk Skimmer with Patented Diverter™

- Saves $300 a year over normal disk skimmers in lost coolant costs
- Patented gravity separator separates tramp oils from coolant and returns coolant to sump
- Continuous-duty, fan cooled motor with **two year warranty**
- Rugged steel construction
- Unbreakable disk and wipers with **lifetime warranty**
- Shipping weight: 10 lbs

MADE IN THE USA



Size	Removal Rate	Reach	Order No.	Price
1" x 12"	7 RPM	4-1/2	**NY40GS4H300**	Price
18	7 RPM	7.5	**NY40GS4H460**	Price

Abanaki Oil Skimmers EconoMixer™ 100 & 200

- Blends coolant and water to desired percentages
- System designed to eliminate costly waste
- EconoMixer ™100 includes inserts for desired ratios
- EconoMixer ™100 ranges 400:1 to 4.5:1 EconoMixer ™200 includes brass/metal construction pipe that extends to the bottom of drum
- EconoMixer ™200 mix range 15:1 up to 45:1

MADE IN THE USA

NY45EMIX100



NY45EMIX200



Flow Rate	Order No.	Price
3 GPM, 3/8" FPT Inlet, 1/2" MPT Outlet	**NY45EMIX200**	Price
GPM @ 40 PSI: 4.8	**NY45EMIX100**	Price

Abanaki Oil Skimmers Mighty Disk™ Tramp Oil Skimmer

MADE IN THE USA

- Capped troughs and wiper standoffs prevent oil drips
- High oil removing boomerang blades
- Rugged powder coated steel construction
- Continuous duty fan cooled motor
- Heavy duty 1/2" thick disk





Size	Removal Rate	Reach	Order No.	Price
1/2 x 12	1.5 Gallons per hour	4-1/2	**NY45SMD12**	Price
1/2 x 18	1.5 Gallons per hour	7	**NY45SMD18**	Price
1/2 x 24	1.5 Gallons per hour	9-1/2	**NY45SMD24**	Price

Abanaki Oil Skimmers Cool Disk Skimmer

- Continuous duty fan cooled motor
- Corrosion resistant polymer housing
- High oil removing boomerang wipers

MADE IN THE USA



Size (in.)	Removal Rate	Reach	Order No.	Price
1/2" x 12"	1.5 Gallons per hour	4-1/2	**NY45SCD12**	Price

Zebra Skimmers Machinist's Mixer for Drums, Totes and Pails

- Perfectly mixed coolant ends emulsion guesswork
- Dispenses coolant at rate of 3 gallons per minute
- Check valve insures proper mixture, eliminating waste
- Separate water shut-off valve
- Machined from solid bronze casting
- Tamper resistant lockout available
- Maximum viscosity of 500 SUS
- 40" discharge tube included (max length for delivery)
- Recommended Installation: Water regulator for precise results every use
- No parts to lose
- **Comes with iron-clad Zebra Lifetime Guarantee**

MADE IN THE USA







Type	Range	GPM	Order No.	Price
Mixer	0-7%	3	**NY40MIX0327**	Price
Mixer	0-7%	10	**NY40MIX1027**	Price
Mixer	0-25%	3	**NY40MIX03725**	Price
Mixer	0-25%	10	**NY40MIX10725**	Price
Lockout for Mixer	-	-	**NY40MIXXLOCK**	Price

Zebra® Z17 Coalescer

MADE IN THE USA

- Patent-pending Flexor™ concentrates separated oil for improved oil-only discharge
- Automatically aerates to prevent bacterial growth
- Improved-flow, submersible pump
- New external solids filtration
- New stronger coalescing tank and ports



Includes	Order No.	Price
115v Submersible pump, Floating Sumpster oil intake attachment, 0.5 ft3 media, Flexor surface skimmer	**NY40FZ17F1**	Price
115v Submersible pump, Hammerhead oil intake attachment, 0.5 ft3 media, Flexor surface skimmer	**NY40FZ17H1**	Price
115v Submersible pump, Recept oil intake attachment, 0.5 ft3 media, Flexor surface skimmer	**NY40FZ17R1**	Price
115v Submersible pump, Sumpster oil intake attachment, 0.5 ft3 media, Flexor surface skimmer	**NY40FZ17S1**	Price

Sidewinder™ Tube Skimmer – Skims Anywhere

MADE IN THE USA

- Installs in seconds
- Skims underneath conveyors, enclosed sumps, and hard-to-access areas
- Only requires 1/2” by 3” opening
- Industrial-grade skim tube uses ceramic scraper
- Large oil discharge port
- Fan-cooled continuous-duty motor
- Rated at 1 quart per hour
- **Two year warranty**



Type	Reach (in.)	Max. Temp.	Order No.	Price
Sidewinder Oil Skimmer	11	90°F	**NY40ZVA811**	Price
Sidewinder Oil Skimmer	14	90°F	**NY40ZVA814**	Price
Sidewinder Oil Skimmer	17	90°F	**NY40ZVA817**	Price
Sidewinder Oil Skimmer	8	90°F	**NY40ZVA808**	Price
Skimmer Tube & Cartridge Only	8	90°F	**NY40ZXCART808**	Price

Diverter™ Static Oil Separator

MADE IN THE USA

- Separates coolant clinging to disk, tube or belt, returning coolant to sump
- Saves up to $300 yearly in lost coolant costs
- Can be installed on most skimmers
- Rugged, heavy-duty, steel construction
- Discharge pipes and mounting hardware included



Order No.	Price
NY40BGST4	Price

Coolescer™ Coolant Refresher

- Removes floating surface oils
- Aerates and refreshes coolant
- Works while machine is running
- Coalescing media never needs to be replaced
- Floating pickup head handles fluctuating fluid levels effortlessly
- 1 Year warranty



MADE IN THE USA

Order No.	Price
NY45CLRB	Price

Economy Mixer

MADE IN THE USA

- 14 Metering tips included for concentrations of 1% to 20% (ratios 4:1 to 99:1)
- Maximum viscosity of 500 SUS
- 48” Discharge tube included
- Check valve for precise mixing
- Works on barrels or totes
- Capacity: 4.8 gallons per minute
- Weight 5 lbs
- 30 Day warranty



Order No.	Price
NY40MIX05120	Price

Aerators

MADE IN THE USA

- Quick set up
- Prevents anaerobic bacteria from building up and spreading
- Extends coolant life
- Puts an end to stagnant coolant
- Includes air diffuser to disperse air evenly



Size	Order No.	Price
1200 cc/min	**NY45AA1250**	Price
5000 cc/min	**NY45AA5000**	Price

TubeTastic!™ Tube Oil Skimmer

- Fan cooled, continuous duty motor
- Works in places other skimmers can’t
- No overhead room needed
- Durable drive and 3/8” diameter tube construction for long lasting construction
- Can be used on machining centers with little or no access to the coolant sump from above
- This unit can skim oil from chip conveyors or even totally enclosed machining centers



MADE IN THE USA

Reach	Max. Temp.	Removal Rate	Order No.	Price
8	120 °F	1.5 Gallons per hour	**NY45STUBE108**	Price
12	120 °F	1.5 Gallons per hour	**NY45STUBE112**	Price
18	120 °F	1.5 Gallons per hour	**NY45STUBE118**	Price
24	120 °F	1.5 Gallons per hour	**NY45STUBE124**	Price
30	120 °F	1.5 Gallons per hour	**NY45STUBE130**	Price

Zebra Skimmers Belt Skimmer



- Improves coolant performance and life
- Heavy-duty steel, powder coated construction
- Removable, easy-to-clean collection tray
- Self-tensioning belt on fixed lower pulley
- Dual wiper set with **lifetime warranty**
- Continuous-duty, 28 rpm fan-cooled motor
- 2" Diameter minimum access required
- Recommended accessory: Zebra Diverter™
- **Two year warranty** on all other parts (except steel belts)

Size (in.)	Material	Max. Temp.	Order No.	Price
8	Polyurethane	80°F	**NY40BPF108**	Price
8	Stainless Steel	212°F	**NY40BSF108**	Price
12	Polyurethane	80°F	**NY40BPF112**	Price
12	Stainless Steel	212°F	**NY40BSF112**	Price
18	Polyurethane	80°F	**NY40BPF118**	Price
18	Stainless Steel	212°F	**NY40BSF118**	Price
24	Polyurethane	80°F	**NY40BPF124**	Price
24	Stainless Steel	212°F	**NY40BSF124**	Price

Zebra Skimmers Oxygenator™



- Extend coolant life
- Eliminates odors
- Heavy-duty tubing and industrial-grade bronze air diffuser
- Injecting oxygen into coolant maximizes performance by killing the anaerobic bacteria, which spoils coolant, and encouraging the good aerobic bacteria

Size	For Use With	No. of Outlets	Order No.	Price
Large	51-100 Gallon Coolant	1	**NY40XBUB8000**	Price
Medium	26-50 Gallon Coolant	2	**NY40XBUB5000**	Price

Odor Control Tablets



- Safe and easy-to-use
- Eliminate and prevent odors such as hydrogen sulfide (rotten eggs)
- Contains no formaldehyde or harmful chemicals
- Safer and more economical than biocides
- Use one tablet per 25 gallons of coolant per week
- Designed for small sumps, usually of 200 gallons or less
- 15 Tablets per tube

Brand Name	Order No.	Price
Abanaki	**NY45CMINTS**	Price
Zebra Skimmers	**NY40XOCT25**	Price

Rustlick Triadine 20

Bactericide and Fungicide



- Protects simultaneously against bacteria and fungi
- Microbiostat that is easy and economical to use
- Formulated as a fast acting sump side additive
- Registered - For use in metalworking, cutting, cooling and lubricating fluids

Size	Hazard Code	Order No.	Price
16 oz	HAZ58	**LK6077116**	Price
1 Gallon	HAZ58	**LK6077101**	Price

Abanaki Li'l Blue Skimmer™



- Continuous duty fan cooled motor
- Both sides of belt wiped for better efficiency
- Engineered polymer base and housing
- Removable trough for easy cleaning
- Compact; use almost anywhere even through a 2" diameter bung hole
- Spring loaded stablizer barContinuous duty fan cooled motor
- Both sides of belt wiped for better efficiency
- Engineered polymer base and housing
- Removable trough for easy cleaning
- Compact; use almost anywhere even through a 2" diameter bung hole
- Spring loaded stablizer bar



Reach	Removal Rate	Max. Temp.	Order No.	Price
12	1 Gallon per hour	140 °F	**NY45SLB12**	Price
18	1 Gallon per hour	140 °F	**NY45SLB18**	Price
24	1 Gallon per hour	140 °F	**NY45SLB24**	Price

Abanaki Mighty Mini SST™ Belt Oil Skimmer



- 304 Stainless steel construction
- Fan cooled continuous duty gear motor
- 24 hr intergrated timer / 15 min intervals
- Spring loaded stabilizer pulley bar
- Removable trough for easy cleaning
- 1 year warranty





Reach	Removal Rate	Max. Temp.	Order No.	Price
6	1 Gallon per hour	140 °F	**NY45SMMS106E**	Price
18	1 Gallon per hour	140 °F	**NY45SMMS118E**	Price
24	1 Gallon per hour	140 °F	**NY45SMMS124E**	Price

ProCheck Refractometers



- Lightweight aluminum construction
- Ergonomic, comfortable & easy operation
- Anti-slip, rugged body with durable & hygienic grip
- Translucent viewing colored background
- Hard plastic portable carrying case with sampler included
- Comfortable eyepiece for easy viewing
- Available in 0-10 & 0-32 Brix scale
- Lifetime warranty against manufacturer defects
- Features auto temperature compensation (ATC) for shops with varying temperatures

Brix Scale	Order No.	Price
0-10	**NZ6040000**	Price
0-32	**NZ6040005**	Price

Basic Refractometer



- For everyday use
- Prism aperture lets in lots of light
- Diamond-knurled sleeve for good grip
- Carrying case with sampler included
- Comfortable eyepiece with adjustable focus for easy reading
- Auto temperature compensation for shop with varying temperature

Brix Scale	Brand Name	Order No.	Price
0-10	Zebra Skimmers	**NY40OPT10**	Price
0-32	Ashburn	**LK70CRHB32**	Price
0-32	Zebra Skimmers	**NY40OPT32**	Price

Sprayon Dry Moly Lube

New!



- EZ TOUCH® standard nozzle
- Penetrates pores of substrate and bonds to surface for long-lasting lubrication
- High-pressure, high-solids molybdenum disulfide coating
- Withstands pressures up to 50,000 PSI
- Non-conductive
- Air dries in 5-10 minutes; cures in 2 hours at room temperature
- Maintains effectiveness under high temperatures (650°F constant and 750°F intermittent)
- Works as a boundary lube as cold as -200°F

Order No.	Hazard Code	Price
LP4000200	9.55	Price

Stay & Spray Gel

New!



- 12x longer lasting lubrication
- Prevents rust for up to 1 year
- No drip, no mess
- Ideal for vertical surfaces
- HAZ08

Container Size	Hazard Code	Order No.	Price
10 oz	HAZ08	**LS50300103**	Price

White Lithium Multi-Purpose White Grease



- Rapidly forms into a pure white grease that will not melt or wash away
- PTFE additives for superior lubrication
- NGLI grade: number 2
- Provides maximum lubrication
- Rust and oxidation inhibitors protect metal
- Pure white color allows easy visual inspection
- Heat and water resistant

Size	Hazard Code	Order No.	Price
10 oz	HAZ03	**LJ6003816**	Price

White Lithium Grease



- Multi-purpose heavy duty lubricant that will not wash off, melt or freeze
- Grade 2 white lithium grease
- Excellent EP characteristics
- Provides tough, high viscosity film

MADE IN THE USA

Size	Hazard Code	Order No.	Price
10 oz	HAZ03	**LR5003080**	Price

Protective White Lithium Grease



- Long lasting, lubricating coating
- Won't freeze, melt or run off
- Rust inhibiting barrier
- Smart Straw for precise application
- 50 State VOC compliant

Size	Hazard Code	Order No.	Price
10 oz	HAZ08	**LS50300040**	Price

LUBRIPLATE

'The Original White Lubricant'

- General purpose white grease
- Used on milling machine heads



Size	Hazard Code	Order No.	Price
1.75 oz	HAZ57	**RL351183147**	Price

CIMCOOL CENTER SAVER

- Waterproof grease
- Designed as a lubricant for centers on lathes, grinders, hobbing machines, etc
- Also lubricates and waterproofs bearings, pumps, and tools



Size	Hazard Code	Order No.	Price
2 oz	HAZ08	**LL5100400**	Price

Moly-Graph® Extreme Pressure Multi-Purpose Lithium Grease



- Handles heavy loads, water attack and shock loads
- Contains rust and oxidation inhibitors and extreme pressure additives
- NLGI #2 Grease

MADE IN THE USA

Size	Hazard Code	Order No.	Price
14 oz	HAZ57	**LR50SL3330**	Price

Cut-Ease® Metal Cutting Lubricant



- For high speed sawing and cutting where circulating lubricants are not used
- Outstanding on band saws
- Provides smooth, cool-cutting for non-ferrous metals and plastics
- Won't stain aluminum
- Extends tool life, cleaner/faster cut
- Stops binding and prevents burring
- **Typical Applications:** Use Cut-Ease on metals, plastics and other materials involving sawing, grinding, spinning, tapping, drilling and milling

MADE IN THE USA

Size	Hazard Code	Order No.	Price
1 lb	HAZ57	**LK40CE16**	Price

Ashburn Wax Stick

- Effectively lubricates and removes heat
- Environmentally safe



Size	Order No.	Price
1 lb	**LK70E600111**	Price

High Temperature Grease

- High temperature lubrication (drop point 625°F)
- Outstanding performance under heavy mechanical loads
- Excellent corrosion protection

New!



Container Size	Hazard Code	Order No.	Price
14 oz	HAZ57	**LS50300394**	Price

Heavy-Duty Extreme Pressure Grease

- Extreme pressure lubrication
- Outstanding surface protection against heavy load and wear
- Excellent corrosion protection

New!



Container Size	Hazard Code	Order No.	Price
14 oz	HAZ57	**LS50300400**	Price

202 Moly-Lith

- Lithium based grease
- Contains micro-fine molybdenumdi sulfide (MoS2) particles to enhance carrying and low friction characteristics
- Highly adhesive, pumpable and stable
- Service rating: 0°F to 300°F

MADE IN THE USA



Size	Hazard Code	Order No.	Price
14 oz	HAZ57	**LM6533050**	Price

ThermaPlex® Multi-Purpose Bearing Grease

- Long life
- Excellent load carrying properties
- Extends re-lubrication periods
- Prolongs bearing life, good corrosion resistance
- Ideal for lubricating all types of bearings
- Reduces grease consumption



Size	Hazard Code	Order No.	Price
14 oz	HAZ57	**LJ6070614**	Price

Temp Guard Synthetic Grease

- Extreme high temperature grease
- Contains molybdenum disulfide and graphite for low friction and extreme pressure capabilities
- No petroleum based oils or additives
- Highly resistant to oxidation
- Service rating: 0°F to 600°F

MADE IN THE USA



Size	Hazard Code	Order No.	Price
14 oz	HAZ57	**LM6531850**	Price

Marine Grade Grease

New!

- Excellent water wash-out performance
- Outstanding rust and corrosion protection
- Maximum lubrication for extreme marine applications



Container Size	Hazard Code	Order No.	Price
14 oz	HAZ57	**LS50300417**	Price

Edge Lube

- White, solid, waxy bar, biodegradable
- Excellent for belt, wheel or disc grinding, and sawing applications
- Eliminates heat build-up and belt loading
- Does not contain any hazardous chemicals
- Extends grinding wheel life
- Low toxicity, safe on all metals



Size	Hazard Code	Order No.	Price
13 oz	HAZ57	**LJ6043200**	Price

Belt-Magic™ for Coated Abrasive Belts

- Special high-temperature formulation clings to abrasive belts, discs, and grinders with minimal throw-off
- Won't build up behind the wheel
- Provides smoother finish to workpiece and can increase belt life by 30%
- Apply 1 lb stick directly to abrasive surface
- Excellent for ferrous and non-ferrous applications
- Size: 1/2"D x 4-3/8"L

MADE IN THE USA



Size	Hazard Code	Order No.	Price
1 lb Stick	HAZ57	**LK40BT16**	Price

Stick-Kut™ Lubrication Stick Wax

- Safe and effective lubricant for grinding wheels, sanding belts and saw blades
- Eliminates heat build up and belt loading
- Extends wheel life
- Provides smooth, cool cutting
- Reduces loading, stop binding, and prevents burring



Size	Hazard Code	Order No.	Price
15 oz	HAZ57	**LJ5515SK**	Price

Stick Form Tap-Ease®

MADE IN THE USA

- Use like a crayon on taps and dies for smoother, faster cut while extending tool life
- Replaces liquid tapping fluids with undesirable chlorinated solvents and other VOC's
- Works on aluminum, brass, magnesium, ferrous and non-ferrous materials
- Won't stain the workpiece



Size	Order No.	Price
.43 oz	**LK40TA2**	Price

ISOFLEX NBU/NCA 15 Lubricating Greases



- The thickener system offers excellent resistance to coolants and high load carrying capabilities
- Isoflex NCA 15 is very similar to the Isoflex NBU 15 with the exception that it is formulated with a calcium complex thickener which may provide reduced run-in time
- Synthetic ester/mineral blend
- Service temp. range (°C): -40 to 130
- NLGI class: 2

Size	Thickener Type	Speed Factor nDm (mm/min)	Hazard Code	Order No.	Price
400 gm Cartridge	Barium complex soap	1,000,000	HAZ57	**LM62NBU15**	Price
400 gm Cartridge	Calcium complex	1,200,000	HAZ57	**LM62NCA15**	Price

Multi-Purpose Food Grade Grease



- An aluminum complex, Grade 2 grease
- NSF® H1 registered
- Highly resistant to moisture and water wash-out
- For use in food production and processing industries

MADE IN THE USA

Size	Hazard Code	Order No.	Price
14 oz	HAZ57	**LR50SL35600**	Price

AP-1 Hi-Temp Multi-Purpose Grease



- Formulated from bentone clays
- Chemically and mechanically stable, water resistant, highly adhesive, and have superior storage life
- Service rating: 0°F to 550°F

MADE IN THE USA

Size	Hazard Code	Order No.	Price
14 oz	HAZ57	**LM6531550**	Price

Sta-Plex™ Extreme Pressure Premium Red Grease



- An NLGI #2 lithium complex premium grease
- Provides superior rust protection and oxidation resistance
- Tackiness additive prevents grease from slinging-off bearings at high rpms

MADE IN THE USA

Size	Hazard Code	Order No.	Price
14 oz	HAZ58	**LR50SL3190**	Price

Lithium General Purpose Grease



- Economical general purpose grease designed for light duty applications
- Highly water resistant
- Will not break down or run out
- NLGI #2 Lithium-12 based

MADE IN THE USA

Size	Hazard Code	Order No.	Price
14 oz	HAZ57	**LR50SL3310**	Price

Mini Grease Gun Cartridges



- Mini cartridge multi-purpose grease
- 4 Per bag

Size	Hazard Code	Order No.	Price
3 oz	HAZ57	**LM6011312**	Price

Mobilgrease Lubricating Grease XHP 222

NLGI Grade - 2

Thickener Type Li-Complex



An exteded service lithium complex grease intended for a wide variety of applications and severe operating conditions

- Superb resistance to water washout and spray-off
- Highly adhesive and cohesive structure
- Excellent rust and corrosion resistance
- Extended grease life and enhanced bearing protection in high temperature applications
- Very good anti-wear

Size	Hazard Code	Order No.	Price
13.7 oz	HAZ57	**LK45121929**	Price
35 lb	HAZ58	**LK45XHP22235**	Price

Superior Performance True Multi-Purpose Grease

New!



- Long-lasting corrosion protection extends the life of your equipment
- Outperforms in all 3 features: temperature, pressure & water wash-out
- Compatible with WD-40 Specialist Lithium Complex greases
- Always refer to OEM when switching grease types

Container Size	Hazard Code	Order No.	Price
14 oz	HAZ57	**LS50300424**	Price

AP-5 Hi-Temp Multi-Purpose Grease



- Formulated from bentone clays
- Chemically and mechanically stable, water resistant, highly adhesive, and superior storage life
- Contains molybdenum disulfide and has a high film strength
- Service rating: 0°F to 550°F

MADE IN THE USA

Size	Hazard Code	Order No.	Price
14 oz	HAZ57	**LM6525050**	Price

CB-2 Super-Lith Multi-Purpose Grease



- Lithium based grease
- Offers resistance to the effects of heat, water, oxidation, and heavy loads
- Highly adhesive to metal
- Excellent as a chassis grease
- Service rating: 0°F to 300°F

MADE IN THE USA

Size	Hazard Code	Order No.	Price
14 oz	HAZ57	**LM6531050**	Price

Marine MP Multi-Purpose Grease



- Lithium soap grease for economy and performance
- Water resistant and highly tenacious
- Excellent resistance to salt spray, heat, water, and oxidation
- Service rating: 0°F to 325°F

MADE IN THE USA

Size	Hazard Code	Order No.	Price
14 oz	HAZ57	**LM6563050**	Price

CROWN All 4 Moisture Displacing Lubricant

- Displaces moisture
- Cleans and penetrates
- Prevents rust
- Lubricates



Size	Hazard Code	Order No.	Price
10 oz	HAZ03	**LP507340**	Price

CRC Technical Grade 3-36®

- Plastic safe
- Multi-purpose lubricant, penetrant and corrosion inhibitor
- Penetrates, lubricates and seals out moisture with micro-thin film
- No VOC's
- NSF® H2 registered



Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LR5003003**	Price

CRC Power Lube®

- Provides maximum protection against friction, wear, and corrosion
- Contains no 1,1,1 Trichloroethane or any other chlorinated solvent
- Contains PTFE for long lasting protection

MADE IN THE USA



Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LR5003045**	Price

Jet-Lube CC LUBE™ Synthetic Lubricant

- Clear, clean, colorless, non-staining synthetic lubricant with Teflon®, is unsurpassed in reducing friction, extending life and preventing the formation of rust and corrosion
- Safe on metals, plastics, rubber, vinyl, etc.
- For many food processing, industrial, marine, and automotive applications

MADE IN THE USA



Size	Hazard Code	Order No.	Price
14 oz	HAZ57	**LM6570550**	Price

LOCTITE Anti-Seize Lubricant

- Protects equipment from seizing with its two-part epoxies formula
- That provides the superior wear that is expected in harsh environments
- **41205**: Heavy Duty Anti-seize paste in semisolid form
- **37729**: Copper Anti-seize paste in semisolid form that has the same trusted performance characteristics as the Loctite® C5-A®
- **37230**: Silver Anti-seize paste in semisolid form

Item	Color	Container	Size	Order No.	Price
	Copper	Stick	20gm	**LM5037229**	Price
	Black	Stick	20gm	**LM5041205**	Price
	Silver	Stick	20gm	**LM5037230†**	7.19

WD-40 Multi-Purpose Synthetic Lubricant with PTFE

- Contains PTFE in suspension
- Non-toxic, non-staining
- Operating temp -45°F to +450°F
- Impervious to salt water & road salt
- Safe in potable water
- USDA H1 rated for incidental food contact



Type - Lubricant Kit		
Size	**Order No.**	**Price**
Sportmans Kit	**LM5211520**	Price

Type - Super Lube® Aerosol		
Size	**Order No.**	**Price**
11 oz Multi-Purpose	**LM5231110**	Price
11 oz Dri-Film	**LM5211016**	Price

Type - Super Lube® Grease - Ratings: NLGI #2, GC-LB		
Size	**Order No.**	**Price**
3 oz Tube	**LM5221030**	Price
14.1 oz Jar	**LM5241160**	Price
14.1 oz Cartridge	**LM5241150**	Price
5 lb Tub	**LM5241050**	Price
30 lb Pail	**LM5241030**	Price

Type - Super Lube® Oil - PTFE		
Size	**Order No.**	**Price**
.25 oz Precision Oiler	**LM5251010**	Price
4 oz Air Tool	**LM5212004**	Price
32 oz Gear	**LM5254200**	Price
32 oz Spray	**LM5251600**	Price
1 Gallon	**LM5251040**	Price

Starrett® All Purpose Lubricant

MADE IN THE USA

- **Penetrates —** Deep-down penetration works quickly to free frozen nuts, bolts and metal parts
- **Lubricates —** This product is free of any silicone, making it an excellent year-round lubricant
- **Prevents rust —** Protects metal against rust and corrosion damage by providing a molecular shield that locks to the metal
- **Cleans —** Removes grease and grime from metal parts.
- **Displaces moisture —** M1 is "wetter than water"; is not soluble in water so it can get under moisture to lift it away from the surface to be protected
- **Non-conductive —** Prevents short circuits in high moisture environments, halts electrical leakage from wet ignition wires



M112



M101



M105



M153



M115

Size	Packed Per Case	Hazard Code	Order No.	Price
12 oz	12	HAZ03	**LS60M112**	Price
1 Gallon	4	HAZ57	**LS60M101**	Price
5 Gallon	1	HAZ58	**LS60M105**	Price
53 Gallon	1	HAZ06	**LS60M153†**	Price
Spray Applicator- Holds 1 Pint (16 oz)	4	-	**LS60M115**	Price

† All 53 Gallon Drums FOB Factory

PRM PRO Heavy Duty Lever Grease Gun & Accessories

- Heavy duty lever type model with 3 way loading
- Cast head incorporates bulk loader and air bleeder valve
- Capacity 14 oz develops up to 9000 PSI
- Comes with steel extension and 4 jaw coupler



Description	Order No.	Price
Lever Handle Grease Gun	**LC725028**	Price
Grease Gun Holder	**LC727668**	Price
12" Flexible Hose	**LC727657**	Price
18" Flexible Hose	**LC727658**	Price

PROTO Heavy-Duty Pistol Grip Grease Gun

- 3-Way filling: bulk, cartridge, or filler pump
- 16 oz. Bulk fill.
- 14 oz Standard cartridge
- Heavy-duty 1.7mm thick seamless barrel to avoid dents
- Aluminum head reduces weight
- Heavy-duty flexible 18” nylon hose and 6” metal spout for easy use
- Output pressure: 3,600 PSI
- Hose diameter: .41”
- Fitting diameter: .54”
- Socket diameter: .56”



Model No.	Order No.	Price
JFC33HD	**KP4270265**	Price

Legacy Workforce™ Mini Grease Gun

- Rigid and flexible extension
- 3 oz cartridge loading
- Die-cast head
- Chrome finish

New!

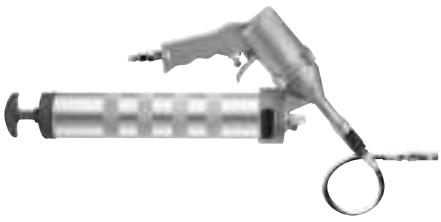


Order No.	Price
LX55L1305	Price

Legacy Workforce Air Operated Grease Gun

- 12” Flexible extension and 6” rigid extension included
- Heavy duty die cast head construction
- 3-way loading: bulk, filler pump and cartridge
- Bleeder valve for purging unwanted air
- Durable follower rod and spring for consistant priming
- Positive-grip follower handle
- 4-jaw coupler for better grip and longer service life
- Non-slip knurled barrel

New!



Order No.	Price
LX55L1455	Price

Legacy Lock-n-Load™ Workforce-Pro Quick Connect Grease Gun

- Designed for heavy-duty service with high quality features that make it durable and easy to use
- **Lock-n-Load™ threadless quick connect barrel Automatic bleeder**
- **12” Flexible extension**
- **Heavy duty cast aluminum pump head**
- **Heavy gauge knurled steel barrel**
- **4-Jaw Coupler**
- **Ergonomic handle design**



Order No.	Price
LX55L1175L	Price

Legacy Lock-n-Load™ Mega Boost Quick Connect Grease Gun

Features threadless quick connect barrels that significantly reduces downtime when tightening and un-tightening conventional grease gun barrels. Never worry about crossing threads on your barrel again! Simply slide the Lock-n-Load™ switch to disengage or reconnect the barrel.
Reloading grease is TWICE as fast compared to the competition!

- **Delivers 10,000 PSI**
- **Dual mode switch**
- **Automatic bleeder**
- **Heavy duty cast aluminum pump head**
- **Heavy gauge knurled steel barrel**
- **High pressure super grip 4-jaw coupler**
  capable of bearing the high pressures that the MEGABOOST® produces



Order No.	Price
LX55L1185L	Price

Legacy 4-Jaw Grease Gun Couplers

- High pressure (10,000 PSI) grease couplers for manual and air operated equipment
- These couplers are equipped with ball check; 1/8” ends



Order No.	Price
LX55L2010	Price

Legacy Thermoplastic Grease Hoses

- High quality hose with 1/8” NPT male fittings at each end



Length (in.)	Order No.	Price
12	**LX55L2270**	Price
18	**LX55L2275**	Price

Air Operated Grease System

Rugged reliability is built-in to every Performance™ series 55:1 ratio grease pump. Used in either mobile or stationary systems for grease distribution, these versatile high pressure grease pumps can handle all types of mineral and synthetic greases up to and including NLGI 2 directly form 35 lb. and 400 lb. grease containers. Performance™ series grease pumps are constructed using corrosion resistant parts including aluminum, alloy steel and nitride seals for longer life and trouble-free operation. Backed by outstanding service and a 5-year extended warranty, you can't buy more reliable efficient pumps!

Grease System for 35 lb Pail Includes:
L6005: Pump
DC5: Drum cover
DD5: Drum dolly
LCG1-01: Booster gun
GFP1: Follower plate
LH1414414: Grease hose

Grease System for 120 lb Pail Includes:
L6105: Pump
DC16: Drum cover
DD16: Drum dolly
LCG1-01: Booster gun
GFP2: Follower plate
LH1414414: Grease hose



Type	Order No.	Price
Air Operated Grease System for 35 lb Pails	**LX55L6000**	Price
Air Operated Grease System for 120 lb Pails	**LX55L6100**	Price

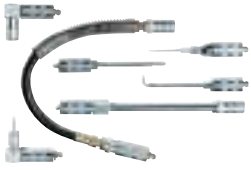
Grease Products

LubeLink™ grease accessories are designed for general purpose, automotive and for heavy duty contractor lubricating jobs. Housed in a durable space-saving carrying case, LubeLink™ kits can be stored in the drawer of a tool chest. Each accessory has a dedicated compartment so the kit can be easily sight checked for missing accessories

General Purpose Grease Accessory Kit Includes:
L2206SP: 12" Steel braid rubber grease hose with spring guard and 4-jaw coupler
L2105: Hypodermic type grease injector needle with quick-connect coupler
L2140: 3" Straight needlepoint coupler
L2144: 90° 3" Straight needlepoint coupler
L2160: Right angle needlepoint coupler
L2162: Low profile right angle coupler
L2165: 8" Push-on type coupler



Automotive Grease Accessory Kit Includes:
L2206SP: 12" Steel braid rubber grease hose with spring guard and 4-jaw coupler
L2105: Hypodermic type grease injector needle with quick-connect coupler
L2140: 3" Straight needlepoint coupler
L2144: 90° 3" Straight needlepoint coupler
L2160: Right angle needlepoint coupler
L2162: Low profile right angle coupler
L2163: Tight tolerance right angle coupler
L2165: 8" Push-on type coupler



Type	Order No.	Price
Automotive Grease Accessory Kit	**LX55L2551**	Price
General Purpose Grease Accessory Kit	**LX55L2550**	Price

GreatFunnels™

- Unique system of funnels features screw-on caps that seal out harmful contaminants that cause damage to mechanical systems

Color	Size	Length (in.)	Spout (in.)	Order No.	Price
Bright Red	1.5 qt	17	.50 O.D.	**LX55CF415**	Price
Dark Blue	1.25 qt	10.5	.75 O.D.	**LX55CF320**	Price
Green	1.5 qt	12.25	1 O.D.	**LX55CF428**	Price
Orange	1 Pint	8.5	.50 O.D.	**LX55CF115**	Price
Red	1.6 qt	14	1.5 O.D.	**LX55CF438**	Price
Yellow	1.5 qt	14.25	.75 O.D.	**LX55CF420**	Price



Funnel Kit



Description	Order No.	Price
Kit includes CF115, CF320, CF415 AND CF428	**LX55CFA1**	Price

Lisle Offset Funnel

New!

With Cap and Lid

- 10" tall translucent funnel with a 6-3/4" offset from center of mouth to center of spout for hard-to-reach applications
- Useful for adding brake fluid to master cylinders, gear lube to differentials, fluid to DEF reservoirs and more
- Includes lid and spout cap to keep contaminant free
- Adapter for transmission and other dipstick tubes



Order No.	Price
KN6518232	Price

Lisle Right Angle Funnel

New!

- 10" tall translucent funnel with a 6-3/4" offset from center of mouth to center of spout for hard-to-reach applications
- Useful for adding brake fluid to master cylinders, adding gear lube to differentials, filling the DEF reservoir on GM Duramax diesels as well as other applications
- The funnel mouth is 3-1/2" OD and the spout is .7" OD

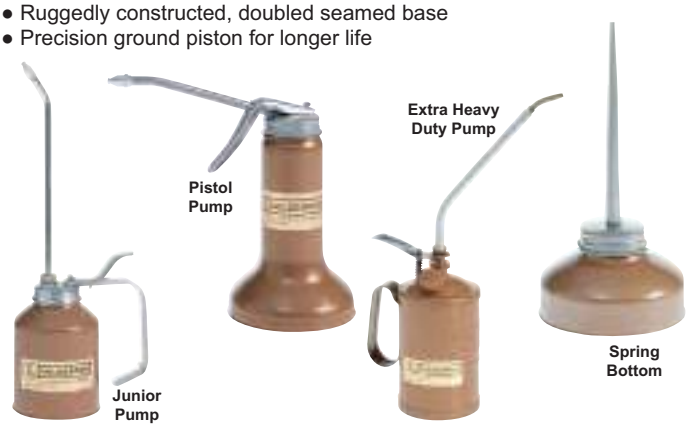


Order No.	Price
KN6517223	Price

DUTTON-LAINSON COMPANY Oilers

MADE IN THE USA

- Ruggedly constructed, doubled seamed base
- Precision ground piston for longer life



Style - Extra Heavy Duty Pump				
Spout Type	Spout Length (in.)	Oiler Cap.	Order No.	Price
Angle	10	1.5 Pint	**LH50120B2**	Price
Angle	12	1 qt	**LH50120A2**	Price
Flex	12	1.5 Pint	**LH50120B3**	Price
Flex	15	1 qt	**LH50120A3**	Price
Straight	10	1.5 Pint	**LH50120B1**	Price
Straight	12	1 qt	**LH50120A1**	Price

Style - Junior Pump				
Spout Type	Spout Length (in.)	Oiler Cap.	Order No.	Price
Angle	8	12 oz	**LH50720**	Price
Flex	8	12 oz	**LH50707**	Price
Rigid	8	12 oz	**LH50700**	Price

Style - Pistol Pump				
Spout Type	Spout Length (in.)	Oiler Cap.	Order No.	Price
Rigid	5	5 oz	**LH50600S**	Price
Rigid	5	6 oz	**LH50600**	Price
Rigid	5	10 oz	**LH50625**	Price
Rigid	6	20 oz	**LH50630**	Price
Flex	6	10 oz	**LH50626**	Price
Flex	6	20 oz	**LH50636**	Price
Spray Tip	6	20 oz	**LH50631**	Price

Style - Spring Bottom				
Spout Type	Spout Length (in.)	Oiler Cap.	Order No.	Price
Tapered	4-1/2	12 oz	**LH50510**	Price
Tapered	4-1/2	6 oz	**LH50505**	Price
Flex	7	12 oz	**LH50507**	Price
Flex	7	6 oz	**LH50506**	Price

PRM PRO Oilers

- Metal body can with brass pump mechanism for smooth operation fitted with one rigid and one flexible spout



Size	Style	Order No.	Price
6 oz	Pistol Type	**LC725220**	Price
10 oz	Lever Type	**LC727802**	Price
16 oz	Lever Type	**LC727804**	Price
24 oz	Lever Type	**LC727805**	Price

Lisle 8 Qt. Dispenser with Lid and Cap

- 8 Quart dispenser with a spout cap and lid to keep out dirt, dust and other contaminants
- Many large trucks, cars and machines now require more oil
- Works great to transport bulk oil
- Translucent polyethylene material enables the user to read the oil level on the container up to 8 quarts and is marked in both quarts and liters
- Flexible, removable 8” pouring spout enables easy transfer of liquid



MADE IN THE USA

Order No.	Price
KN6519702	Price

TITAN Fluid Syringe

- For use with all types of fluids
- Transparent design allows viewing volume & fluid condition
- Detachable tube with cap disassembles for easy cleaning
- Corrosion resistant seals
- Units of measure: QT/CC
- Max capacity .21 QT/200 CC



Order No.	Price
KP8251884	Price

TITAN Vacuum Brake Fluid Bleeder

- 3/8” NPT
- Maximum capacity 1L (33oz)
- Working pressure 71-113 PSI
- Uses standard workshop air supply
- Universal rubber fitting holds securely on brake bleed screw
- Convenient hanging hook & locking trigger



Order No.	Price
KP8251885	Price

Red Devil Caulking Gun

- 1/10 Gallon, half barrel
- Holds most standard cartridges
- Use for simple application of glazing, sealants and caulks



Order No.	Price
FS533985	Price

Grease Fittings – Zerks

Features:
- Ball check at surface to prevent entry dirt
- Case hardened to prevent wear at the tip
- Zinc plated yellow or stainless steel
- SAJ534, DIN 71412 and BS 1486
- 10 Pcs. per pack-priced per pack


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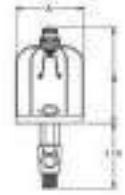

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Style	Size (in.)	Order No.	Price
45° Hydraulic	1/4-28	**LM63211637**	Price
45° Hydraulic	1/8-27 PTF	**LM63211688**	Price
90° Hydraulic	1/4-28	**LM63211911**	Price
90° Hydraulic	1/8-27 PTF	**LM63211613**	Price
Straight Hydraulic	1/4-18 PTF	**LM63201627**	Price
Straight Hydraulic	1/4-28	**LM63201641**	Price
Straight Hydraulic	1/8-27 PTF	**LM63201610**	Price
Straight Hydraulic	M6 x 1 STR	**LM63608601**	Price
Straight Hydraulic Drive Fit with Serrated Shank	1/4 Drive available-no check valve	**LM63201743**	Price
Straight Hydraulic Drive Fit with Serrated Shank	3/16 Drive	**LM63201728**	Price
Straight Hydraulic Drive Fit with Serrated Shank	3/16 Drive STR-NO CHECK VALVE	**LM63201633**	Price

TRICO "KG" Glass Gravity Feed Oilers

Designed for heavy-duty, high temperature lubricating applications. The oil feed rate is adjustable. A lock ring maintains the setting

- Three position toggle switch provides easy to use on-off control, and a flushing option to avoid dry start-ups
- Vented sight chamber ensures proper operation when used with tight or high speed bearings
- Copper brazing of all steel connections provides long life and leak-proof design
- Nickel plating offers superior corrosion resistance
- Oil sight for visual indication of oil flow



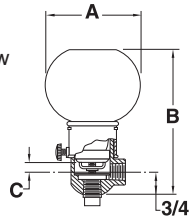


Capacity	Connection (NPT) (in.)	Dim. A (in.)	Dim. B (in.)	Order No.	Price
2-1/2 oz	1/4	2-1/8	4	**NW5037014**	Price
5 oz	1/8	2-5/8	4-5/8	**NW5037015**	Price
5 oz	1/4	2-5/8	4-5/8	**NW5037016**	Price
5 oz	3/8	2-5/8	4-5/8	**NW5037017**	Price
10 oz	1/4	3-1/8	5-3/8	**NW5037018**	Price
10 oz	3/8	3-1/8	5-3/8	**NW5037019**	Price

TRICO OPTO-MATIC® Constant Level Oilers

Glass Reservoir Models

- Provides a constant level of oil in a pump bearing housing, gear box, or other wet sump applications
- Glass reservoir provides long life in corrosive environments
- Different reservoir capacities allow use in many applications



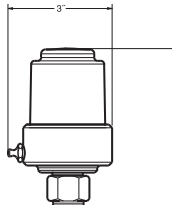


Capacity	Connection (NPT) (in.)	Dim. A (in.)	Dim. B Min. (in.)	Dim. B Max. (in.)	Dim. C Min. (in.)	Dim. C Max. (in.)	Order No.	Price
4 oz	1/4	2-11/16	5	5-3/4	9/32	1	**NW5030003**	Price
8 oz	1/4	3-3/16	5-15/16	6-11/16	9/32	1	**NW5030005**	Price
16 oz	1/4	4-1/8	6-13/16	7-9/16	9/32	1	**NW5030010**	Price

TRICO Grease Lubricators

Applications:
These spring type lubricators control and dispense grease automatically, to take the guesswork out of manual lubrication, and extend bearing life

GL-P Features:
- Anodized aluminum base resists corrosion and works well in high vibration applications
- Clear, polycarbonate reservoir for easy viewing of grease level
- Supplied with 3 different spring sizes for maximum versatility





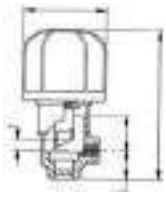
Style - GL-P Grease Lubricators					
Capacity	NPT (in.)	Spring Force	Dim. (in.) A	Order No.	Price
2-1/2 oz	1/8	Light, medium and heavy spring included with each model	4-1/2	**NW5033301**	Price
2-1/2 oz	1/4	Light, medium and heavy spring included with each model	4-5/8	**NW5033302**	Price
2-1/2 oz	3/8	Light, medium and heavy spring included with each model	4-5/8	**NW5033303**	Price

TRICO OPTO-MATIC® Constant Level Oilers

Plastic Reservoir Models (Economy)

- High strength, transparent, ribbed plastic reservoir provides long life and impact resistance
- Adjustable level setting allows use in many applications
- Multiple air vent slots provide for proper functioning at all times
- Style E side connection only
- Style EB side and bottom connections for simplified installation







Style - E								
Cap.	Conn. (NPT) (in.)	Dim. A (in.)	Dim. B Min. (in.)	Dim. B Max. (in.)	Dim. C Min. (in.)	Dim. C Max. (in.)	Order No.	Price
4 oz	1/4	2-5/16	4-9/16	5-1/16	1/4	3/4	**NW5030054**	Price
8 oz	1/4	2-5/8	5-11/16	6-3/16	1/4	3/4	**NW5030058**	Price

Style - EB								
Cap.	Conn. (NPT) (in.)	Dim. A (in.)	Dim. B Min. (in.)	Dim. B Max. (in.)	Dim. C Min. (in.)	Dim. C Max. (in.)	Order No.	Price
4 oz	1/4	2-5/16	4-9/16	5-1/16	1/4	3/4	**NW5030064**	Price
8 oz	1/4	2-5/8	5-11/16	6-3/16	1/4	3/4	**NW5030068**	Price

CROWN Dry Moly Lubricant



- Use for most demanding conditions
- Performs at pressures up to 100,000 PSI and temperatures up to 700°F
- Forms a dry thin black film imparting anti-friction and anti-seize properties

Size		Order No.	Price
11.6 oz	HAZ03	**LP506080**	Price

JET-LUBE Moly Mist™ Dry Film Lubricant



- Instantly bonds dry form Molybdenum DiSulfide (MoS2) to ferrous and non-ferrous metals, plastics, glass, rubber, wood, etc. without heating or baking
- Lowers friction, prevents galling and metal to metal contact
- Excellent "running-in" lubricant on new equipment
- Color: black

MADE IN THE USA

Size	Hazard Code	Order No.	Price
12 oz	HAZ03	**LM6516041**	Price

CRC 3-36 Multi-Purpose Lubricant



- Multi-purpose lubricant, penetrant and corrosion inhibitor
- Displaces and seals out moisture
- Lubricates without leaving a sticky residue
- VOC compliant
- NSF® H2 registered

Size	Hazard Code	Order No.	Price
5 oz	HAZ03	**LR5003004**	Price
11 oz	HAZ03	**LR5003005**	Price
1 Gallon	HAZ57	**LR5003006**	Price
5 Gallon	HAZ58	**LR5003009**	Price
55 Gallon	HAZ06	**LR5003011†**	Price

† All 55 Gallon Drums FOB Factory

CROWN Silicone Lubricant General Purpose



- Lubricates from -100°F to 500°F without freezing or oxidizing
- Withstands pressures less than 2000 PSI
- Eliminates carbonaceous, lacquer deposits

Size	Hazard Code	Order No.	Price
10.5 oz	HAZ03	**LP508034**	Price

LOCTITE Maxi-Coat™



- Heavy-duty coating provides long-term protection for metal parts, equipment, and machinery
- Forms a protective, waxy film which seals out moisture, air, acid and other corrosive elements
- Great for protecting parts in storage
- Removable

Size	Hazard Code	Order No.	Price
12 oz	HAZ03	**LM5051211**	Price

LPS Force 842® Dry Moly Lubricant



- Fortified with molybdenum disulfide
- Provides a quick drying, thin film
- For assembly and break-in lubrication
- Works under high temperatures up to 842°F (450°C) and pressures — 100,000 psi (6890 Bars)
- Resists dust and dirt build up
- Prevents seizure of parts
- High adhesion, water and chemical resistant

Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LJ6002516**	Price

LPS 2® Heavy Duty Lubricant



- Strong, multi-purpose lubricant and penetrant with added corrosion protection
- Provides a nondrying, light, oily film for use on indoor/outdoor equipment
- Reduces wear caused by friction and corrosion
- Displaces moisture
- Loosens rusted or frozen parts
- Provides up to one year of protection
- Non-conductive
- Safe on paint and most plastics
- Inverta spray valve lets you spray in an upright or inverted position
- NSF® H2 registered

Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LJ6000216**	Price
1 Gallon	HAZ57	**LJ6002128**	Price
5 Gallon	HAZ58	**LJ6000205**	Price

LPS 1® Premium Lubricant



- Provides a dry, thin lubricating film
- Resists oil, dust and dirt build-up
- Fast acting penetration, non-conductive
- Displaces moisture
- Loosens rusted or frozen parts
- Provides a short term, light corrosion resistant barrier
- Ideal for delicate mechanisms
- Used worldwide in aviation
- Safe on paint and most plastics
- Inverta spray valve lets you spray in an upright or inverted position
- NSF® H2 registered

Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LJ6000116**	Price
1 Gallon	HAZ57	**LJ6001128**	Price
5 Gallon	HAZ58	**LJ6000105**	Price

LPS Heavy Duty Silicone Lubricant



- Meets FDA regulation for incidental food contact
- Meets NSF requirements for H1
- Silicone-rich formula, water-based formula
- Colorless, odorless and non staining
- Ideal for rubber and plastic surfaces
- Eliminates sticking, binding and squeaking
- Does not contain chlorinated solvents
- Safe on most surfaces
- NSF® H1 registered

Size	Hazard Code	Order No.	Price
13 oz	HAZ03	**LJ6001516**	Price

LPS Dry Film PTFE Lubricant



- Dry film will not attract dust or dirt
- Provides excellent lubrication
- Excellent for releasing molded parts
- Colorless, thin film
- Nonflammable
- Excellent for high temperature applications up to 500°F (260°C)
- Does not contain chlorinated solvents
- Petroleum base

Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LJ6002616**	Price

LPS TKX® All Purpose Penetrant Lubricant, and Protectant



- Displaces moisture
- All purpose, value lubricant which displaces moisture, loosens rusted or frozen parts and protects metal against corrosion
- High flash point of 175°F (79°C)
- Does not contain chlorinated solvents or silicones
- Safe to use on most surfaces
- Inverta spray valve lets you spray in an upright or inverted position
- NSF® H2 registered

Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LJ6002016**	Price

Jet-Lube Food Grade Silicone



- Convenient aerosol stops sticking, squeaking, and binding of moving parts
- Clear film is moisture resistant, long wearing, odorless, colorless, and non staining
- Will not gum up or become rancid
- For use on bottling equipment, slicers, ovens, knives, saws, etc

MADE IN THE USA

Size	Hazard Code	Order No.	Price
12 oz	HAZ03	**LM6550641**	Price

Water Resistant Silicone Lubricant Spray



- Waterproofs and protects
- Quick drying with no messy residue
- Safe on metal, rubber, vinyl, and plastic
- Smart Straw for precise application
- 50 State VOC Compliant

Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LS50300011**	Price

CROWN Dry Graphite Lubricant & Parting Compound



- Temperature range -100°F to 1000°F
- Use where petroleum products must be avoided
- Contains no oils or moisture based diluents

Size	Hazard Code	Order No.	Price
12 oz	HAZ03	**LP508078**	Price

CROWN Penetrating Oil

Penetrates metal pores

Releases rust fast



- Only a few drops needed
- Effective against saltwater corrosion
- Contains no acids

Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LP506030**	Price

Ashburn Penetrating Lube



MADE IN THE USA

- Non-flammable
- Penetrates and displaces moisture
- Quickly displaces moisture, penetrates to loosen rust and corrosion, cleans, and lubricates moving parts
- Nonflammable and nonconductive up to 30,000 volts

Size	Hazard Code	Order No.	Price
18 oz	HAZ03	**LK70M25500**	Price
1 Gallon	HAZ57	**LK70M27231**	Price
5 Gallon	HAZ58	**LK70M27235**	Price
55 Gallon	HAZ06	**LK70M27237†**	Price

† All 55 Gallon Drums FOB Factory

WD-40

Will Not Harm Paint, Plastics, Rubber or Fabrics. Does Not Contain Silicones or Chlorofluorocarbons

MADE IN THE USA



Lubricates—WD-40 will not oxidize and cause delicate mechanisms to gum as will normal lubricants. **Penetrates**—WD-40 is used to free binding and corrosion frozen parts.
Displaces moisture —WD-40 displaces moisture and has a "drying out" effect.
Prevents rust/corrosion —WD-40 stops rust and corrosion. It deposits its inhibitors within the metal. Light rust and corrosion can be wiped off within minutes after application

Size	Hazard Code	Order No.	Price
8 oz Smart Straw	HAZ08	**LS5149002**	Price
11 oz Smart Straw	HAZ08	**LS5149004**	Price
12 oz Smart Straw	HAZ08	**LS5149005**	Price
16 oz	HAZ08	**LS5149008**	Price
1 Gallon	HAZ05	**LS5149011**	Price
5 Gallon	HAZ05	**LS5149012**	Price
Spray Applicator (empty)	-	**LS5010000**	Price

WD-40 EZ-Reach™



- 8" Flexible straw
- Straw bends and keeps its' shape
- Sprays 2 Ways™
- 50-State VOC compliant

New!

Container Size	Hazard Code	Order No.	Price
14.4 oz	HAZ08	**LS50490194**	Price

LPS 3® Premium Rust Inhibitor



- Forms a transparent, soft, waxy film for protection and lubrication
- Inhibits rust and corrosion, protects steel parts indoors for up to two years
- Penetrates to displace moisture
- Does not contain chlorinated solvents or silicone
- Non-conductive
- Safe on most surfaces
- Stops rust and corrosion
- Provides non-sling lubrication
- Provides anti-seize coating
- Safe to use on rubber, fabric, plastics and paints
- Inverta spray valve lets you spray in an upright or inverted position (16 oz)
- NSF® H2 registered

Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LJ6000316**	Price
1 Gallon	HAZ03	**LJ6003128**	Price
5 Gallon	HAZ64	**LJ6000305**	Price

Rustlick 631

Rust Preventative Moisture Displacing



- Spreads into scratches and pores to displace moisture, leaving a light, oily film
- Designed for indoor storage
- Designed for long-term use in environments, which may include acid and salt vapors

Size	Hazard Code	Order No.	Price
12 oz	HAZ03	**LK6071101**	Price
1 Gallon	HAZ05	**LK6071011**	Price
5 Gallon	HAZ05	**LK6071051**	Price

Way Oil Series

MADE IN THE USA

Coolant Compatible Slide Way Lubricants

Our slide way lubricating oils are formulated to provide excellent machine tool performance.They offer superior slide way adherence and stick-slip friction characteristics



- Way Lube 15: Bridgeport style machines, lathes, surface grinders, general purpose equivalent to Mobil Vactra 1
- Way Lube 30: CNC VNC type machines equivalent to Mobil Vactra 2
- Way Lube 60: CNC machining centers
- Color: brown

		Way Lube 15		Way Lube 30		Way Lube 60	
Size	Hazard Code	Order No.	Price	Order No.	Price	Order No.	Price
1 Gallon	HAZ57	**RB5046201**	Price	**RB5046203**	Price	**RB5046205**	Price
5 Gallon	HAZ58	**RB5046202**	Price	**RB5046204**	Price	**RB5046206**	Price

ASHBURN Premium Hydraulic Oils

MADE IN THE USA

ASHBURN ANTI-WEAR 32/46/68

- Formulated to perform trouble-free in high pressure, high output industrial circuits
- Contain thermally stable Zinc and anti-wear additives



Type - Anti-Wear 32		
Size	Order No.	Price
1 Gallon	**LK70F832211**	Price
5 Gallon	**LK70F832305**	Price
55 Gallon	**LK70F832455†**	Price



Type - Anti-Wear 46		
Size	Order No.	Price
1 Gallon	**LK70F846211**	Price
5 Gallon	**LK70F846305**	Price
55 Gallon	**LK70F846455†**	Price



Type - Anti-Wear 68		
Size	Order No.	Price
1 Gallon	**LK70F868211**	Price
5 Gallon	**LK70F868305**	Price
55 Gallon	**LK70F868455†**	Price

† All 55 Gallon Drums FOB Factory

HANGSTERFER'S Way Oil #2

New!



- Superior slideway adherence, stick-slip friction characteristics and complete water-soluble coolant separation
- Formulated with high quality additives, resulting in products that meet or exceed international specifications established for slideway oils
- Meets the International Standards Organization (ISO) viscosity requirements for machine lubricants

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**NH101436**	Price
5 Gallon	HAZ58	**NH101435**	Price
55 Gallon	HAZ06	**NH101434**	Price

ASHBURN Premium Way Oils ASHBURN WAY OILS 68/220

- Way Oil 68 is designed for use when a medium viscosity slideway lubricant is required
- Way Oil 220 is designed for slideways that specify a heavy viscosity slideway lubricant

MADE IN THE USA



Type - Way Oil 220			
Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LK70F800805**	Price
55 Gallon	HAZ06	**LK70F800955†**	Price

Type - Way Oil 68			
Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK70F800411**	Price
5 Gallon	HAZ58	**LK70F800505**	Price
55 Gallon	HAZ06	**LK70F800655†**	Price

† All 55 Gallon Drums FOB Factory

Mobil Vactra Numbered Series 2 & 4 Way Oil



- Helps eliminate chatter and stick-slip of slides and ways
- Improves finish and quality of parts
- Helps reduce wear and keeps sliding surfaces smooth, lubricated and clean
- Mobil Vactra Oil No. 2 is recommended for horizontal slideways on small to medium size machine tools. It is also suitable for flood application in large machines
- Mobil Vactra Oil No. 4 is the normal recommendation for large machines where way pressures are high or good precision is required. It is also recommended for vertical and inclined slideways where drain-down cohesion can be a problem

Type - Vactra No. 2 Way Oil			
Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK45VACTRA21**	Price
5 Gallon	HAZ58	**LK45VACTRA25**	Price

Type - Vactra No. 4 Way Oil			
Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK45VACTRA41**	Price
5 Gallon	HAZ58	**LK45VACTRA45**	Price

Mobil DTE 20 Series Hydraulic Oil



- Supreme performance anti-wear
- Designed to satisfy a wide range of hydraulic equipment requirements
- Works with systems operating under severe conditions where high levels of antiwear and film strength protection are needed
- HAZ58

Type - DTE24 ISO 32 Hydraulic Oil			
Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK45DTE241**	Price
5 Gallon	HAZ58	**LK45DTE245**	Price

Type - DTE25 ISO 46 Hydraulic Oil			
Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK45DTE251**	Price
5 Gallon	HAZ58	**LK45DTE255**	Price

Type - DTE26 ISO 68 Hydraulic Oil			
Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK45DTE261**	Price
5 Gallon	HAZ58	**LK45DTE265**	Price

Mobil Velocite Oil

Spindle and Hydraulic Oils



- Premium performance
- Primarily designed for the lubrication of high-speed spindles in machine tools where high speeds and fine clearances are involved
- They are also used in some critical hydraulic, circulation systems and air line oilers where the appropriate viscosity grade is selected

Size	Type	Hazard Code	Order No.	Price
1 Gallon	VEL101 Spindle Oil	HAZ57	**LK45VEL101**	Price
1 Gallon	VEL61 Spindle Oil	HAZ57	**LK45VEL61**	Price
5 Gallon	VEL105 Spindle Oil	HAZ58	**LK45VEL105**	Price
5 Gallon	VEL35 Spindle Oil	HAZ02	**LK45VEL35**	Price
5 Gallon	VEL65 Spindle Oil	HAZ58	**LK45VEL65**	Price

HARIG Way Lubricant



- Assures free & smooth table operation of any surface grinder. Recommended for Harig grinders and other fine surface grinders

MADE IN THE USA

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**RB4016211245**	Price

CROWN Rust Inhibitor



- Contains fortified lanolin for moisture absorption
- Penetrates deep, absorbs moisture and neutralizes corrosive acids
- Waxy, elastic film removes easily with any paint solvent

Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LP506007**	Price

3-IN-ONE® 3-IN-ONE®



- Five-inch extendable spout,
- Gets at hard-to-reach places
- Small mechanisms
- Hinges
- Any hard-to-reach area

Size	Hazard Code	Order No.	Price
4 oz	HAZ57	**LS5010034**	Price

WD-40 Rust Release Penetrant



- Advanced formula penetrates quickly to free rusted bolts and loosen stuck parts
- Fast acting, low-odor formula
- Also great for removing grease and grime
- Directed aerosol stream helps penetrate quickly and break up rust
- Professional high-performance formula

Size	Hazard Code	Order No.	Price
11 oz	HAZ57	**LS50300004**	Price

WD-40 Rust Remover Soak



- Highly effective and non-hazardous formula
- No fumes, biodegradable, non-corrosive, non-flammable
- WD-40 Specialist technology uses no acids
- Only attacks the rust - Surrounding surface areas are left intact
- Won't remove paint or damage plastic or rubber

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LS50300042**	Price

ASHBURN Metal Protective Coating TACKY FINISH



MADE IN THE USA

- Prevents rust & corrosion
- For all metallic surfaces
- Self-healing tacky finish
- Fast drying solvent based coating and rust preventative
- May be easily removed with solvents
- Ready to use product for use on pipes, metal parts, equipment and machinery
- Excellent for short or long term storage and for general protection of metallic surfaces

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ05	**LK70M27115**	Price

CROWN Formula 101 Corrosion Suppressant



- Petroleum based with excellent chemical resistance
- Penetrates surface and forms transparent film that lasts until you want it removed

Size	Hazard Code	Order No.	Price
10.5 oz	HAZ03	**LP506013**	Price

JET-LUBE RUST GUARD™ Corrosion Inhibitor



- Dry, waxy film seals out moisture for long term protection from rust and corrosion on metal and alloy surfaces
- Excellent on tubing, machined parts and a multitude of industrial, marine, and aviation applications
- Color: blue/green

MADE IN THE USA

Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LM6513241**	Price
1 Gallon	HAZ57	**LM6513233**	Price

CROWN Tool and Die Saver



- Protects stored tools and dies from moisture during storage
- Heavy, non-oily film is easy to remove when equipment is returned to service
- Ideal for long term storage or long distance shipments

Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LP503090**	Price

CROWN Kleer Kote



- Crystal clear acrylic protects and waterproofs
- Provides lasting protection against wear, handling, and oxidation
- Prevents bleaching or fading from sunlight as well as tarnishing

Size	Hazard Code	Order No.	Price
15 oz	HAZ03	**LP506004**	Price

Starrett Tool & Instrument Oil



- Maximum protection and lubrication of measuring tools, precision instruments and light machinery
- Guard highly finished tools, parts, machine surfaces against rust

Size	Hazard Code	Order No.	Price
4 oz	HAZ57	**MV7053216**	Price

ASHBURN RPL #2 Dry Film Rust Preventative



- Dry film residue
- Superior rust prevention
- Water displacing
- Evaporative, water displacing and non-staining rust preventative that leaves behind a relatively dry film
- Will provide short-term outdoor rust protection and intermediate-term salt spray rust protection

MADE IN THE USA

Size	Hazard Code	Order No.	Price
17 oz	HAZ03	**LK70L25100**	Price
1 Gallon	HAZ03	**LK70L251014**	Price
5 Gallon	HAZ03	**LK70L251105**	Price
55 Gallon	HAZ06	**LK70L251255†**	Price

† All 55 Gallon Drums FOB Factory

CIMCOOL CIMGUARD® 10



- General purpose solvent based corrosion preventive
- Can be applied to wet or dry parts
- Neutralizes fingerprint residues and protects ferrous and non-ferrous materials from corrosion

MADE IN THE USA

Size	Haz Code	Order No.	Price
9 oz	HAZ03	**LL5100302**	Price
5 Gallon	HAZ58	**LL5100400P**	Price

PB B'laster



- Breaks free rusted joints and frozen parts by removing surface tension
- Powerful penetrating catalyst
- Non-evaporating lubricant
- Protects against further rust and corrosion

Size	Hazard Code	Order No.	Price
12 oz	HAZ03	**LR71IPB16**	Price
1 Gallon	HAZ05	**LR71128PB**	Price
16 oz Empty Spray Bottle	HAZ03	**LR7116PB**	Price

KB-88 The Ultimate Penetrant



- The world's best penetrant
- Formulated to attack and quickly release rusted and corroded nuts, bolts, hinges and other frozen components
- High KB solvency value of 151 and low surface tension
- Penetrates faster and deeper than most other similar products in the market place
- Meets many local, state and federal VOC regulations such as CARB keeping the cusomter within VOC regulatory guidelines

Size	Hazard Code	Order No.	Price
13 oz	HAZ03	**LJ6002316**	Price
1 Gallon	HAZ57	**LJ6002301**	Price

Extreme Duty Silicone



- High temperature, high pressure lubricant
- Effective on all metallic and non-metallic surfaces
- High grade release and parting agent
- Clear, non-staining odorless film

MADE IN THE USA

Size	Hazard Code	Order No.	Price
10 oz	HAZ03	**LR5003030**	Price

Rustlick 606® Rust Inhibitor Fluid

- Penetrates into hard to reach nooks and crannies aborbing water and moisture
- Easy application by dipping or brushing
- Non-conductive and non-flammable
- Can be used on wet-parts with blind holes
- Clear-transparent film provides long-term indoor rust

Size	Temperature Range	Hazard Code	Order No.	Price
12 oz	Neg 156°F (FlashPoint)	HAZ03	**LK6071102**	Price
5 Gallon	175°F (FlashPoint)	HAZ05	**LK6071052**	Price

Crown Brite Galvanize Coating



- A restorative coating fortified with zinc for preventing rust and corrosion on ferrous metal surfaces with one coat application
- A glistening coating with 65% pure zinc in dry film
- Stops rust and corrosion on any iron or steel surface for protection equal to or better than hot dipped galvanizing
- Restores galvanized surfaces to the bright look of hot dipped galvanizing
- Meets performance requirements of ASTM A-780
- Good film integrity after 336 hours salt spray (ASTM B-117)
- **Applications:** repair of welds, handrails, rims, guardrails, metal chain fences, pipes, corrugated metal building, or anywhere the bright look of hot-dipped surfaces is desired

Size	Hazard Code	Order No.	Price
13 oz	HAZ03	**LP507707**	Price

LST Penetrant



- Attacks rust and corrosion to free frozen parts
- Powerful foaming action provides complete surface coverage
- Displaces moisture
- Lubricates and protects metal surfaces
- Flash point of 175°F (79°C)
- No chlorinated solvents

Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LJ6001916**	Price

Knock'er Loose® Penetrating Solvent



- NSF® H2 registered for use in meat and poultry plants
- Specially formulated to dissolve rust, varnish, gum and corrosion
- Loosens rusted and corroded nuts, bolts and frozen components
- Lubricating residue prevents corrosion
- VOC compliant

MADE IN THE USA

Size	Hazard Code	Order No.	Price
8 oz Spout	HAZ57	**LR5003025**	Price
13 oz	HAZ03	**LR5003020**	Price
1 Gallon	HAZ57	**LR5003021**	Price
5 Gallon	HAZ58	**LR5003022**	Price

Screwloose® Super Penetrant



- A penetrant that attacks corrosion and frees corroded parts
- Frees and lubricates seized or binding mechanisms
- VOC compliant
- NSF® H2 registered

Size	Net Weight	Hazard Code	Order No.	Price
11 oz	16 oz	HAZ03	**LR5003060**	Price

SP-350™ Corrosion Inhibitor



- Long term indoor protection for all metals
- Protects up to 2 years indoors
- Thin, non-drying film

MADE IN THE USA

Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LR5003262**	Price
5 Gallon	HAZ58	**LR5003266**	Price
55 Gallon	HAZ06	**LR5003268†**	Price

† All 55 Gallon Drums FOB Factory

SP-400™ Corrosion Inhibitor



- Long term outdoor protection (up to 2 years)
- Firm, transparent waxy film
- Highly resistant to humidity and salt spray

MADE IN THE USA

Size	Hazard Code	Order No.	Price
10 oz	HAZ03	**LR5003282**	Price
5 Gallon	HAZ02	**LR5003286**	Price
55 Gallon	HAZ06	**LR5003288†**	Price

† All 55 Gallon Drums FOB Factory

Crown Cold Galvanizing Compound



- 93% Zinc-rich coating is electro-chemically fused to iron and steel
- Equal to hot dip galvanizing
- Keeps corrosion off the protected surface

Size	Hazard Code	Order No.	Price
13 oz	HAZ03	**LP507007**	Price

CROWN Anti-Seize Compound



- Provides an anti-friction shield that will not wash, scrape, or burn off
- Prevents seizure and corrosion to 1000°F

Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LP509105**	Price

JET-LUBE 550® Moly Anti-Seize



- Non-metallic anti-seize compound
- Contains moly and graphite
- Color: black
- To 1800°F (982°C)
- Metal free
- Lead free
- Exceeds MIL-A-907E

MADE IN THE USA

Description	Hazard Code	Order No.	Price
1/2 lb Brush Top	HAZ57	**LM6515502**	Price
1 lb Brush Top	HAZ57	**LM6515504**	Price

JET-LUBE KOPR KOTE® Copper Anti-Seize



- Contains both copper and graphite
- Metalizes under pressure
- Color: bronze
- To 1800°F (982°C)
- High film strength
- Lead free
- Exceeds MIL-A-907E

MADE IN THE USA

Description	Hazard Code	Order No.	Price
1/2 lb Brush Top	HAZ57	**LM6510002**	Price
12 oz Aerosol	HAZ03	**LM6510041**	Price
1 lb Brush Top	HAZ57	**LM6510004**	Price

JET-LUBE NIKAL® Pure Nickel



- Contains pure nickel for extreme temperature applications
- Will not contaminate catalyst beds
- Color: silver
- Acid and chemical resistant
- To 2600°F (1427°C)
- Chemically resistant
- Lead free
- Exceeds MIL-A-907E

MADE IN THE USA

Description	Hazard Code	Order No.	Price
1/2 lb Brush Top	HAZ57	**LM6513602**	Price
1 lb Brush Top	HAZ57	**LM6513604**	Price

JET-LUBE SS-30® Pure Copper



- Recommended for electrical connections
- Color: copper
- To 1800°F (982°C)
- Lead free
- Graphite free
- Exceeds MIL-A-907E

MADE IN THE USA

Description	Hazard Code	Order No.	Price
1/2 lb Brush Top	HAZ57	**LM6512502**	Price
1 lb Brush Top	HAZ57	**LM6512504**	Price

JET-LUBE WHITE KNIGHT™ Anti-Seize



- Metal free, USDA H-1 authorize food grade anti-seize

MADE IN THE USA

Size	Hazard Code	Order No.	Price
1 lb Brush Top	HAZ57	**LM6516404**	Price

LOCTITE Heavy Duty Anti-Seize



- Excellent lubricity
- Metal-free formulation provides outstanding lubrication to all metals including stainless steel, aluminum and soft metals up to 2400°F

Size	Hazard Code	Order No.	Price
1 lb 2 oz Brush Top	HAZ57	**LM5051606**	Price

LOCTITE Food Grade Anti-Seize



- Metal-free formulation to protect assemblies exposed directly or indirectly to fresh and salt water
- Works especially well in high humidity conditions
- Excellent lubricity, superior water wash-out and water resistance
- Prevents seizure, galling, and friction in stainless steel and other metal parts up to 750°F (400°C)
- NSF H1 approved for incidental food contact

Size	Hazard Code	Order No.	Price
8 oz Brush Top	HAZ57	**LM5051168**	Price

LOCTITE Nickel Anti-Seize Thread Compound



- Nickel content stays intact up to 2400°F
- Recommended for use on stainless steel

Size	Hazard Code	Order No.	Price
1 lb Brush Top	HAZ57	**LM5077164**	Price

LOCTITE Silver Grade Anti-Seize



- Heavy-duty, temperature-resistant, petroleum-based compound fortified with graphite, metallic flake
- Will not evaporate or harden – even under extreme heat or cold conditions – for use in assemblies up to 1600°F
- 767 Loc-Tite equivalent

Size	Hazard Code	Order No.	Price
4 oz Brush Top	HAZ57	**LM5080209**	Price
1 lb Brush Top	HAZ57	**LM5076764**	Price

LPS All-Purpose Anti-Seize



- Prevents seizure up to 1800°F (982°C)
- Moly fortified and lead free
- Protects against seizure, heat-freeze, galling, rust and corrosion
- Lowers friction; reduces wrench torque
- Reduces maintenance costs
- Not affected by contraction, expansion or vibration
- Will not run, drip or settle out, steel blue color

Size	Hazard Code	Order No.	Price
8 oz	HAZ57	**LJ6004108**	Price

CRC Nickel Anti-Seize



- Sta-Lube Nickel Anti-Seize is a nickel based formula that is free of copper, lead, sulfides and chlorides
- This premium quality lubricant has extremely high temperature resistivity and excellent chemical resistance
- Applications: catalyst beds, reaction chambers, special alloy fittings
- May be used on fittings, bushings, flanges, headers, nuts, screws, studs, threaded surfaces, pipes, plugs, and manifolds to prevent seizing and galling of surfaces

Size	Hazard Code	Order No.	Price
8 oz Brush Top	HAZ57	**LR50SL35911**	Price
16 oz Brush Top	HAZ57	**LR50SL35913**	Price

HDX Heavy Duty Degreaser



- Removes oil, grease, wax, dirt, moisture, tar, brake fluid, and other contaminants
- Nonflammable
- Fast evaporating
- Low odor
- Quick penetration
- No residue, non-conductive
- NSF® K1 registered

Size		Order No.	Price
19 oz	HAZ08	**LJ6001020**	Price

Instant Super Degreaser



- Heavy-duty performance
- Power blast spray
- Nonflammable
- Removes oil, greases, dirt and tar
- Non-chlorinated, non-conductive
- Fast evaporating
- No residue, no rinsing
- Safe on all metals
- NSF® C1 registered
- Canadian Food Inspection Agency (CFIA) approved

Size		Order No.	Price
20 oz	HAZ03	**LJ6000720**	Price

PreSolve® Orange Degreaser



- High performance industrial cleaner that cleans on contact
- Ideal for removing grease, tar, oil and adhesives
- Fast acting , deep penetration
- Natural based
- Does not contain chlorinated solvents
- Flash point above 100°F (38°C)
- Non-conductive
- Low residue
- Safe on all metals and most plastics
- Inverta spray valve lets you spray in an upright or inverted position (15 oz)
- NSF® C1 registered

Size		Order No.	Price
15 oz	HAZ03	**LJ6001420**	Price
1 Gallon	HAZ05	**LJ6001428**	Price

Zero Tri® Heavy Duty Degreaser



- Fast evaporating
- Instant degreasing action
- Safe to use on most surfaces
- Ideal for degreasing metals
- Does not contain chlorinated solvents
- No residue
- Inverta spray valve lets you spray at any angle

Size		Order No.	Price
15 oz	HAZ03	**LJ6003520**	Price

Precision Clean Multi-Purpose Cleaner/Degreaser



- Water-based and biodegradable
- Removes tough, stubborn stains and soils such as grease and oil
- Nonflammable, rinses clean
- pH Concentrate = 13
- pH Ready-to-Use = 12.5
- Does not contain chlorinated or petroleum solvents, bleach, ammonia, abrasives or butyl
- Alkaline formula inhibits flash rusting
- Safe on all surfaces except magnesium
- NSF® C1 registered

Size		Order No.	Price
28 oz	HAZ57	**LJ6002728**	Price
1 Gallon	HAZ57	**LJ6002701**	Price

T-Force® Degreaser



- Non-conductive, non-corrosive, non-staining and has no flash point
- Revolutionary formula –does not contain TCE, Perc, or nPB
- Reduced VOC formula
- Fast evaporating, leaves no residue
- High dielectric strength of 39,000 volts
- Contains No Class I or Class II ozone depleting chemicals
- NSF® K1 registered
- Not for use in California, Delaware, New Hampshire or parts of Utah

Size	Order No.	Price
20 oz	**LR5003115**	Price

Hydro Force® 20 oz. Super Citrus™ Degreaser

MADE IN THE USA



- NSF® C1 registered
- For solvent strength cleaning and degreasing
- Wipes off easily and leaves no residue
- Pleasant citrus scent

Size	Order No.	Price
20 oz	**LR5014440**	Price

Heavy Duty Degreaser II

MADE IN THE USA



- Non-chlorinated degreaser
- High flash point and non-ozone depleting
- Controlled evaporation for enhanced cleaning
- Use caution on plastics

Size	Order No.	Price
20 oz	**LR5003120**	Price

Ashburn Enviro-Green EXTREME Degreaser Concentrated

MADE IN THE USA



- Heavy duty cleaner and degreaser
- Good replacement for petroleum solvents
- Excellent for use in automatic parts washers, pressure washing, and immersion cleaning operations
- Contains corrosion inhibitors to provide in-process rust protection

Size		Order No.	Price
1 Gallon	HAZ57	**LK70M02701**	Price
5 Gallon	HAZ58	**LK70M02705**	Price
55 Gallon	HAZ06	**LK70M02707†**	Price

† All 55 Gallon Drums FOB Factory

CRC Citrus Degreaser

MADE IN THE USA



- New low VOC formula
- Removes grease, oil and lubricants with no water wash-off
- Controlled evaporation and leaves no residue
- Pleasant citrus scent
- NSF C1 registered
- For use on air tools, mechanical brakes, clutches, chains, wire ropes, motors, dies, molds, parts, bearings, generators & compressors

Size	Hazard Code	Order No.	Price
20 oz	HAZ03	**LR5014170**	Price

CRC Food Grade Silicone

MADE IN THE USA



- Multi-purpose silicone spray for food processing and handling applications
- Forms a colorless, odorless, non-staining film
- Eliminates binding and sticking in most metal to non-metal applications
- Meets FDA Regulation CFR 21-178.3570. NSF H1 Registered

Size	Hazard Code	Order No.	Price
16 oz	HAZ03	**LR5003040**	Price

CRC Super-Soy™ Degreaser



- A non-flammable, low odor, biodegradable precision cleaner for use in electrical and industrial applications
- Effectively removes dirt, light oils and other contaminants from electrical and electronic equipment
- Formulated with soybean and corn based solvents, which are renewable resources

MADE IN THE USA

Size	Hazard Code	Order No.	Price
15 oz	**HAZ03**	**LR5003135**	Price

LOCTITE ODC-Free Cleaner & Degreaser



- Excellent cleaning performance
- No ozone depleting compounds
- Pleasant citrus scent
- Nonflammable, no residue
- 1-2 minutes evaporation rate (when wiped)
- Compatible with most plastics and metals

Size	Hazard Code	Order No.	Price
15 oz	HAZ03	**LM5022355**	Price

CROWN Safety Solvent Degreaser



- Dissolves grease fast, leaves surfaces clean and dry
- Contains no CFC's or Class I or II O.D.C.'s
- Eliminates lubrication build up
- Evaporates quickly and leaves no powdery or oily residues

AEROVOE

Size	Hazard Code	Order No.	Price
20 oz	**HAZ03**	**LP508060N**	Price

ASHBURN Enviro-Green All Purpose Cleaner and Degreaser with ion-Z Concentrated

MADE IN THE USA



- Biodegradable, non-toxic cleaner and degreaser with a wide range of applications
- Environmentally safe alternative to solvents and hazardous chemicals
- Pleasant scent
- Additional handling charges may apply

Size	Order No.	Price
1 Quart	**LK70M02559**	Price
1 Gallon	**LK70M02551**	Price
5 Gallon	**LK70M02555**	Price
55 Gallon	**LK70M02557†**	Price

† All 55 Gallon Drums FOB Factory

ASHBURN Machine Cleaner and Degreaser



- Formulated water soluble designed for machine tool not sump cleaning
- Superior cleaning and sterilizing
- Easily removes grease and oil
- Breaks down sludge
- Will not harm paint at proper dilutions

MADE IN THE USA

Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK70H740314**	Price
5 Gallon	HAZ58	**LK70H740405**	Price

simple green Crystal Simple Green



Features:

- Industrial formulation
- No color and no added scent
- Non-toxic and biodegradable
- Non-abrasive and non-flammable
- A4 and A8 USDA ratings
- Mild 9.3-9.5 pH

Product Applications:

- Equipment and machinery degreasing
- Parts washers and dip tanks
- Mechanized applicators: Floor scrubbers, pressure washers, steam cleaners, etc

Size	Hazard Code	Order No.	Price
24 oz	HAZ57	**LN5019024**	Price
1 Gallon	HAZ57	**LN5019128**	Price
5 Gallon	HAZ58	**LN5019005**	Price

CROWN Dry Film Lubricant



- Industrial strength dry PTFE lubricant that is ideal whenever silicone products are not accessible, and higher temperatures or pressure performance is required
- Durable up to 500°F (260°C) for extended periods
- Will not interfere with post-finishing operations
- Reduces clean-up labor time
- Unique, dry lubricating qualities; will not collect dust
- For use in manufacturing facilities
- **Applications:** rubber, wood, metals, glass; any situation where reduced friction and drag is desired. Do not use on electrical equipment or machinery while in operation

AEROVOE

Size		Order No.	Price
10.5 oz	HAZ03	**LP506075**	Price

CRC Trigger Bottle Applicator



- Empty applicator
- 24 Oz. design
- Level II flourination provides durability
- Features blank lines for product information

Order No.	Price
LR5014021	Price

NoFlash® Electro Contact Cleaner

- Nonflammable, nonconductive
- Fast evaporating
- Quick penetration, no residue
- Superior wetting action
- Safe to use on most surfaces
- Inverta spray valve lets you spray in an upright or inverted position

MADE IN THE USA



Size	Hazard Code	Order No.	Price
12 oz	HAZ03	**LJ6004016**	Price

CFC Free NU Contact Cleaner

- No chlorinated solvents
- Fast evaporating, leaves no residue
- Safe on plastics
- NSF® Certified: K2 Registration # 142024
- Penetrating action removes dirt, flux, moisture, dust, oxides, and other contaminants
- Ideal for cleaning electronic and fine parts



Size	Hazard Code	Order No.	Price
11 oz	HAZ03	**LJ605416**	Price

QD® Contact Cleaner

- Cleans sensitive electronics and electrical equipment without leaving residue
- Aggressively cleans and is plastic safe
- Evaporates quickly
- Ideal for applications where lower flash point solvents can be used
- NSF® K2 registered

MADE IN THE USA



Size	Order No.	Price
16 oz	**LR5003130**	Price
5 Gallon	**LR5003131**	Price

Off-Line Contact Cleaner

- Contains no CFC's or chlorinated solvents
- Evaporates quickly and leaves no residue
- Safe on some plastics and flammable

AEROVOE



Size	Hazard Code	Order No.	Price
10.9 oz	HAZ03	**LP508276**	Price

Electronic Contact & Equipment Cleaner Aerosol

- A highly effective blend of solvents that is fast drying, non-conductive, and safe to use on plastics, rubber and metal
- Does not contain CFC's or HCFC's and is ozone safe
- Use to remove dirt, grease, oil and grime from electric motors, electrical equipment, circuit boards, computers, magnetic tapes, printed circuits, gauges, switches and relays

MADE IN THE USA



Size	Hazard Code	Order No.	Price
14 oz	HAZ03	**LK70M05140**	Price

Cleaner and Degreaser

Non-Flammable Aerosol

- A highly concentrated solvent desgined to remove grease, oil, dirt and grime form metallic and non-metallic surfaces
- Non-flammable and non-conductive
- For use on machinery and equipment of all types, including electric motors even while running, electronic equipment, ignition systems, generators, power tools etc



Size	Hazard Code	Order No.	Price
16 oz	HAZ08	**LK70M05120**	Price

Contact Cleaner 2000®

- Effective alternative to 141b-based cleaners when sensitive plastics are not a concern
- Evaporates quickly, leaves no residue
- Has no flash or fire point and contains no Class I or Class II ozone depleting chemicals
- Can be used on contacts, metal switches, motors, relays, generators, edge connectors, buss bars, circuit breakers, scales & sensors
- Not recommended for use on LEXAN®, Noryl®, or polycarbonate-type plastics

MADE IN THE USA



Size	Order No.	Price
16 oz	**LR5003150**	Price

Graffiti Remover

- Removes spray paints, marking inks, crayons, scuff marks, lipstick, lacquers, and varnish
- Contains no methylene chloride
- For use on brick and concrete walls, road signs, trucks, trains, buses, bus stops, seats, desks, lockers, counters, light posts, bathroom partitions, etc

MADE IN THE USA



Size	Hazard Code	Order No.	Price
16 oz	HAZ03	**LR5003194**	Price

Anti Vandal Spray

AEROVOE

- Clear spray blend of solvents that removes lipstick, pencil, ink, crayon, and spray paint from a variety of hard surfaces
- Safe for use on most hard, unpainted surfaces, including concrete, brick, wood, fiberglass, ceramic tile, Formica, and some plastics
- Eliminates the need to sandblast and grind marks off concrete and brick surfaces



Size		Order No.	Price
14 oz	HAZ03	**LP505062**	Price

All Purpose Cleaner

- Water and ammonia based cleaner
- Provides a low foaming action cleaner for breaking up grime
- Cuts through grease
- Cleans and polishes
- Excellent on granite surfaces
- **Applications**: for hard to clean spots on wood, metal, tile, procelain, plastic and chrome



Size	Hazard Code	Order No.	Price
15 oz	HAZ03	**LP505055**	Price

CROWN Glass and Surface Cleaner

- Fast working - cuts through dirt, grease and grime
- Cleans all glass and baked enamel objects
- Non-streaking
- Retards fog, contains no ammonia

AEROVOE



Size		Order No.	Price
19 oz	HAZ03	**LP50860**	Price

LPS TriFree Brake Cleaner

- Heavy-duty performance
- Instant degreasing action, no residue
- Improves brake performance
- Does not contain chlorinated solvents
- Helps stop disc brake squeal
- Fast evaporation, powerful jet spray
- Compliant to California VOC regulations



Size		Order No.	Price
15 oz	HAZ03	**LJ6003620**	Price

CRC Gasket Remover

- Removes baked on fiber gaskets, gasket adhesives and sealants
- Dissolves and aids removal of paints, lacquers, adhesives, and varnish
- Contains no methylene chloride

MADE IN THE USA



Size	Hazard Code	Order No.	Price
16 oz	HAZ03	**LR5003017**	Price

CRC HF™ Contact Cleaner

- Economical with a high flash point
- Removes dirt, dust, grease, light oil, and fingerprints
- Slow drying
- Zero VOC's
- Leaves no residue
- Safe on most plastics

MADE IN THE USA



Size	Hazard Code	Order No.	Price
16 oz	HAZ03	**LR5003125**	Price
5 Gallon	HAZ58	**LR5003126**	Price

LOCTITE

Environmentally User Friendly

- No hazardous ingredients
- Nonflammable, biodegradable
- No chlorinated, petroleum solvents, butyls, phosphate or caustic chemicals
- U.S.D.A. authorized

Effective

- Industrial formula rapidly cuts oil, grease and grime
- Highly concentrated, multi-use dilutes to meet specific cleaning needs
- Safe for all metals and washable surfaces, rinses clean



Size	Hazard Code	Order No.	Price
24 oz Spray Bottle	HAZ57	**LM5082249**	Price
1 Gallon	HAZ57	**LM5082251**	Price
5 Gallon	HAZ57	**LM5082253**	Price

CRC Hydroforce® Glass Cleaner

- Cuts through dirt, dust, fingerprints and haze deposits
- Provides streak-free glass cleaning even on delicate glass surfaces
- Biodegradable, ready to use
- For use on glass, fiberglass, mirrors, stainless steel, polished metals, plastic, chrome & linoleum

MADE IN THE USA



Size	Order No.	Price
20 oz	**LR5014412†**	Price
32 oz	**LR5014411**	Price

† Aerosol can

CRC Hydroforce® Germicidal Foam Cleaner

- Cleans, disinfects and deodorizes in one easy step
- Clings to tough vertical or inverted surface soils without runs or drips
- Powerful cleaning agents instantly lift-off and eliminate dirt, dust, grease and grime
- Bactericidal, virucidal and fungicidal

MADE IN THE USA



Size	Order No.	Price
20 oz	**LR5014430**	Price

Sure Shot

- All metal, air pressurized sprayer
- Adjustable spray nozzle
- Use with bulk solvent and your air



Container Size	Color	Order No.	Price
32 oz	Green	**LR501000**	Price

TITAN Spot Spray Non-Aerosol Sprayer

- 80-150 PSI operating pressure (max pressure: 200 PSI)
- Refillable
- Not for use with paint products
- Color coded for easy recognition
- Eliminates dangerous, harmful propellants
- No more disposal issues
- Eco friendly



Container Size	Description	Order No.	Price
32 oz	Single - Blue	**KP8219424**	Price
32 oz	Single - Red	**KP8219419**	Price
32 oz Each	Twin Pack - Red and Blue	**KP8219421**	Price

TITAN Siphon Feed Detail Spray Gun

- Fully adjustable 1.5mm fluid nozzle
- 200ml Cup capacity
- Great for detailing, touch up & small repair work



Order No.	Price
KP8219417	Price

Master Fluid Solutions STAGES™ Whamex ™

Machine Tool Sump and System Cleaner

- Quickly breaks down and lifts off insoluble scum deposits hidden in lines and difficult to reach
- Very hard water tolerant allowing it to be effective in raw water or used coolant
- Compatible with most waste treatment (including ultrafiltration) and will not degrade when used as directed
- Will remove heavy soils from machines without affecting paints, coatings, seals, hoses, or skirting, and it won't leave a slippery residue
- Short-term corrosion inhibitors prevent flash rusting of machine surfaces and ways



New!

Container Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**MS655700**	Price
5 Gallon	HAZ58	**MS655710**	Price
54 Gallon	HAZ06	**MS655705†**	Price

† All 54 Gallon Drums FOB Factory

Master Fluid Solutions STAGES™ Whamex XT™

Low Foam Machine Tool Sump and System Cleaner

New!

- Quickly breaks down and lifts off insoluble scum deposits hidden in lines and difficult to reach areas
- Low foam, safe, fast-acting, concentrated formula that will save machine cleaning downtime
- Very hard water tolerant allowing it to be effective in raw water or used coolant
- Removes oily residues, scums, and insoluble soap deposits that reduce coolant life.
- Will remove heavy soils from machines without affecting paints, coatings, seals, hoses, or skirting
- Short-term corrosion inhibitors prevent flash rusting of machine surfaces and ways



Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**MS655720**	Price
5 Gallon	HAZ58	**MS655725†**	Price
54 Gallon	HAZ06	**MS655730**	Price

† All 54 Gallon Drums FOB Factory

CIMCOOL CIMCLEAN® 30

- General purpose machine cleaner recommended for cleaning individual machine tanks and central systems
- Effectively removes bio-films, dirt, grit, chip deposits, insoluble soaps and oils
- For ferrous metals



Size	Hazard Code	Order No.	Price
5 Gallon	HAZ57	**LL5100609P**	Price
55 Gallon	HAZ06	**LL5100609D†**	Price

† All 55 Gallon Drums FOB Factory

Rustlick Klenzol DY

Water Soluble Alkaline Cleaner

- Nonflammable, non-toxic and biodegradable
- Quickly penetrates and dislodges grimy build-ups of chips and oil residues



Size	Hazard Code	Order No.	Price
1 Gallon	HAZ57	**LK6076012**	Price
5 Gallon	HAZ58	**LK6076052**	Price
55 Gallon	HAZ06	**LK6076552†**	Price

†All 55 Gallon Drums FOB Factory

Graymills Aquatene® Biodegradable Cleaning Solutions



Aquatene 330
General purpose detergent cleaner in liquid form. Mix 1 part to 4—9 parts water. May be used at room temperature or heated up to180°F for faster cleaning action

Aquatene 571
Specially formulated for cleaning aluminum and other non-ferrous metals. Powdered detergent mixes 3 to 8 oz. per gallon of water. Use heated up to 180°F for faster cleaning

Aquatene 390
Ideal for Spray Cabinet Washers
Heavy duty formula contains rust inhibitor and no phosphates or silicones. Should be used heated 115˚F - 150˚F. Not for use with non-ferrous metals

Style - GM330 - For General Purpose				
Size	**Weight**	**Hazard Code**	**Order No.**	**Price**
5 Gallon Pail	45 lbs	HAZ58	**LC56GM330C5**	Price
55 Gallon	530 lbs	HAZ06	**LC56GM330C55†**	Price

Style - GM390 - Low Foam Concentrate				
Size	**Weight**	**Hazard Code**	**Order No.**	**Price**
5 Gallon Pail	45 lbs	HAZ64	**LC56GM390C5**	Price

Style - GM571 - For Non-Ferrous Metals				
Size	**Weight**	**Hazard Code**	**Order No.**	**Price**
25 lb Powder	25 lbs	HAZ64	**LC56GM57125**	Price

†All 55 Gallon Drums FOB Factory

Graymills Parts Cleaning Solvent

- Rapidly dissolves grease, oil & residue
- Hand-Ease® contains cosmetic grade lanolin, reducing irritation and chapping
- Super Agitene with 105°F flash point or Super Agitene 141 with flash point of 141°F
- Requires no water rinse



Type - Super Agitene 141 Non-Hazardous Solvent				
	Weight	**Hazard Code**	**Order No.**	**Price**
5 Gallon	35 lbs	HAZ05	**LC56M5005141**	Price

Type - Super Agitene Solvent				
	Weight	**Hazard Code**	**Order No.**	**Price**
5 Gallon	35 lbs	HAZ05	**LC56M5005**	Price
50 Gallon	365 lbs	HAZ06	**LC56M8400†**	Price

† All 50 Gallon Drums FOB Factory

NATIONAL Parts Washer



- Designed for use in shops ranging from mechanic's garage to heavy industry
- Features a 115V fully enclosed pump, seamless construction
- 20 Gallon tank dimensions: 29-7/8" L x 20-3/4" W x 10-51/64" D
- Pump output through hose, 50GPH

WORLD CLASS QUALITY

Capacity	Order No.	Price
3.5 Gallons (Portable Style)	**NW551991035**	Price
20 Gallons (Heavy Duty Style)	**NW551991020**	Price

Graymills Economy Parts Washer



- Works with as little as 2-1/2 gallons of solvent — 5 gallon maximum capacity
- Abrasive resistant pump delivers 720GPH
- Practical work shelf
- Fire safety lid
- Flexible metal flush hose
- 115V, 60Hz, 1 PH
- Use Agitene® cleaning fluids

MADE IN THE USA

Order No.	Price
LC55HK150A	Price

Graymills Handi-Kleen® Solvent Parts Washers



- Durable 14-gauge steel construction with powder-coated finish
- Abrasive resistant pump delivers 720GPH
- Removable metal work shelf and parts basket
- Generous soaking area holds up to 15 gallons
- Adjustable metal hose for directing flow
- Fire safety lid
- Easy clean out with bottom drain
- Tank dimensions: 36"L x 22"W x 16"D

MADE IN THE USA

Capacity	HP	Motor	Order No.	Price
10-15 Gallons	1/15	115V, 60Hz, 1PH	**LC55PL36A**	Price

Graymills Drum Mount Solvent Parts Washer



- Durable 16-gauge steel construction with powder-coated finish
- Flexible metal flush hose
- Built-in pump delivers 170GPH
- Deluxe model has work light and patented retractable pump for easy fluid changes
- Fire Safety Lid
- 115V, 60Hz, 1PH

MADE IN THE USA

Style	Capacity	L (in.)	W (in.)	D (in.)	Weight	Order No.	Price
Deluxe	16 Gallons	32	18	9	70 lbs	**LC55DMD232**	Price
Deluxe	30 Gallons	36	20	9	96 lbs	**LC55DMD236**	Price
Standard	16 Gallons	32	18	9	65 lbs	**LC55DMS232**	Price
Standard	30 Gallons	36	20	9	91 lbs	**LC55DMS236**	Price

Graymills Bioremediation Parts Washer

New!



- Uses hydrocarbon converting microbes to reduce solid waste and virtually eliminate fluid disposal
- Thermostatically controlled 1,400 watt heater delivers heated solution up to 110°F (44°C)
- Rugged thermosplastic corrosion-resistant construction (5 year warranty)
- Flow-thru brush, flexible stay-put nozzle - brush or flush away soil with 300 GPH pump
- Low liquid level shuts off heater in event liquid level drops below a set point
- GFI shuts down entire unit in event of electrical short
- 9" Soak depth tank, molded bottom ridges allow soaking parts with detergent circulation while parts sit above sludge
- Removable stainless steel work shelf for way postiioning of parts while hand cleaning
- cETL certified

Capacity	L (in.)	W (in.)	D (in.)	Order No.	Price
30 Gallons	35	21-1/2	15	**LC55BIO922**	Price

Graymills Aqueous Parts Washer

New!



- Ability to convert from soak to sink and back again
- Thermostatically controlled 1,400 watt heater delivers heated solution up to 110°F (44°C)
- Rugged thermosplastic corrosion-resistant construction (5 year warranty)
- Flow-thru brush, flexible stay-put nozzle - brush or flush away soil with 300 GPH pump
- Low liquid level shuts off heater in event liquid level drops below a set point
- GFI shuts down entire unit in event of electrical short
- 9" Soak depth tank, molded bottom ridges allow soaking parts with detergent circulation while parts sit above sludge
- Removable stainless steel work shelf for way postiioning of parts while hand cleaning
- cETL certified

Capacity	L (in.)	W (in.)	D (in.)	Order No.	Price
30 Gallons	35	21-1/2	15	**LC55PH922A**	Price

Graymills Flow-Thru Parts Brushes

Round and Flat Angular Parts Cleaning Brushes



- Easily added to any parts washer
- Flushes part as it cleans
- Ergonomic angular design
- Flow through design includes 27" hose

Style	Order No.	Price
Flat	**LC557A**	Price
Round	**LC558A**	Price
Straight	**LC556A**	Price

ASHBURN Parts Washer and Degreaser



- Superior cleaning
- Evaporates quickly
- High flash point >140° F
- Will not harm paint
- Solvent-based parts cleaner
- Designed to remove oils and greases from metal parts and surfaces

MADE IN THE USA

Size	Hazard Code	Order No.	Price
5 Gallon	HAZ58	**LK70H700405**	Price
55 Gallon	HAZ06	**LK70H700555†**	Price

†All 55 Gallon Drums FOB Factory

LOCTITE® Threadlockers

- Prevents loosening from shock and vibration
- Seals threads
- Stops rust and corrosion
- **222™** Low strength, for small fasteners and components requiring occasional adjustments.
- **242™** Medium strength, for fasteners 1/4" to 3/4". Has controlled lubricity for accurate clamp loads. parts can be removed using a hand tool.
- **243™** Medium strength that is primerless, no need to pre-clean or prime before use. 1/4" thru 3/4"
- **248™** Medium strength same as 242™ but comes in Stick form.
- **262™** Med to high strength a permanent applied threadlocker for fasteners up to 3/4". Excellent where fasteners are exposed to chemicals. Heat and hand tool needed to separate parts.
- **263™** High strength that is primerless, no need to pre-clean or prime most fasteners before use. For fasteners up to 1"
- **277™** High strength for permanent locking and sealing of fasteners.
- **290™** High strength a low viscosity threadlocker for pre-assembled bolts up to 1/2" to secure them in place. Penetrates threads by capillary action. Seals welds and porous metal parts.
- **640™** High strength to secure slip and press fit assemblies.
- **680™** High viscosity retaining compound for joining fitted cylindrical pa rts.
- **2760™** High strength fast cure threadlocker that sets up quick, eliminating the need for primers; develops usual strength within 1 hour. Used for heavy-duty projects.

Item	Loctite No.	Strength	Color	Container	Size	Order No.	Price
	222	Low	Purple	Bottle	10ml	**LM5022221**	Price
	222	Low	Purple	Bottle	50ml	**LM5022231**	Price
	242	Medium	Blue	Bottle	10ml	**LM5024221**	Price
	242	Medium	Blue	Bottle	50ml	**LM5024231**	Price
	242	Medium	Blue	Bottle	250ml	**LM5024241**	Price
	243	Medium-Primerless	Blue	Bottle	10ml	**LM501329837**	Price
	243	Medium-Primerless	Blue	Bottle	50ml	**LM501329467**	Price
	243	Medium-Primerless	Blue	Bottle	250ml	**LM501329505**	Price
	248	Med-Semisolid	Blue	Tube	9gm	**LM5037684**	Price
	248	Med-Semisolid	Blue	Tube	19gm	**LM5037087**	Price
	262	Med-high Permanent	Red	Bottle	10ml	**LM5026221**	Price
	262	Med-high Permanent	Red	Bottle	50ml	**LM5026231**	Price
	262	Med-high Permanent	Red	Bottle	250ml	**LM5026241**	Price
	263	High-Primerless	Red	Bottle	10ml	**LM501330583**	Price
	263	High-Primerless	Red	Bottle	50ml	**LM501330585**	Price
	263	High-Primerless	Red	Bottle	250ml	**LM501330335**	Price
	268	High Strength	Red	Tube	9gm	**LM5037685**	Price
	268	High Strength	Red	Tube	19gm	**LM5037686**	Price
	277	High	Red	Bottle	250ml	**LM5027741**	Price
	290	High	Green	Bottle	10ml	**LM5029021**	Price
	290	High	Green	Bottle	50ml	**LM5029031**	Price
	290	High	Green	Bottle	250ml	**LM5029041**	Price
	640	Low	Green	Bottle	50ml	**LM50135520**	Price
	680	High	Green	Bottle	50ml	**LM501835201**	Price
	680	High	Green	Bottle	250ml	**LM501835196**	Price
	2760	High-Fast cure	Red	Bottle	10ml	**LM5032526**	Price
	2760	High-Fast cure	Red	Bottle	50ml	**LM5032525**	Price

LOCTITE® Thread Sealants

- Prevents leaks, corrosion and galling in threads
- Seals and secures metal pipes and fittings.
- **540™** Thixotropic sealant
- **545™** Hydraulic/pneumatic fitting sealant that contains no fillers or particles that could contaminate systems. Suitable for fittings up to 2”
- **561™** Low pressure sealing in a semisolid stick formula, perfect for overhead applications.
- **565™** Controlled strength sealer that cures rapidly so as to provide immediate low pressure sealing.

Item	Loctite No.	Application	Color	Container	Size	Order No.	Price
	540	Cylindrical Metal Assemblies	Blue	Bottle	250ml	**LM5054041**	Price
	545	Hydraulic/ Pneumatic	Purple	Bottle	50ml	**LM5054531**	Price
	561	Pipe Fittings	White	Tube	19gm	**LM5037127**	Price
	565	Pipe Fittings	White	Tube	6ml	**LM5056507**	Price
	565	Pipe Fittings	White	Tube	50ml	**LM5056531**	Price
	565	Pipe Fittings	White	Tube	250ml	**LM5056541**	Price

LOCTITE® Retaining Compound

- Increases the shear strength of cylindrical non-threaded assemblies.
- An industry standard for assembling press and slip-fitted parts.
- **609™** Press fit general purpose compound that is designed to bond gap distance Up to .005”
- **660™** Quick Metal® retaining creamy non-running gel that is used onto cylindrical parts to fill surface imperfections and repair worn areas
- **668™** QuickStix® high temperature compound in a semisolid formula. No mess application, ideal for gaps up to .005”. Withstands temperatures up to 400°F.

Item	Loctite No.	Application	Color	Container	Size	Order No.	Price
	609	Cylindrical Assembly, Retaining metal parts	Green	Bottle	10ml	**LM5060921**	Price
	609	Cylindrical Assembly, Retaining metal parts	Green	Bottle	50ml	**LM5060931**	Price
	609	Cylindrical Assembly, Retaining metal parts	Green	Bottle	250ml	**LM5060941**	Price
	620	For high temperature retaining of parts with a clearance or interference fit	Green	Bottle	10ml	**LM5062015**	Price
	620	For high temperature retaining of parts with a clearance or interference fit	Green	Bottle	50ml	**LM5062040**	Price
	638	Recommended for slip fit parts with larger gaps	Green	Bottle	10ml	**LM501835937**	Price
	638	Recommended for slip fit parts with larger gaps	Green	Bottle	50ml	**LM501835936**	Price
	648	Best performance for clearance of interferance fit parts	Green	Bottle	10ml	**LM501835922**	Price
	648	Best performance for clearance of interferance fit parts	Green	Bottle	50ml	**LM501835920**	Price
	660	For repair of worn machinery parts	Silver	Tube	6ml	**LM5066010**	Price
	660	For repair of worn machinery parts	Silver	Tube	50ml	**LM5066040**	Price
	668	General high temp use	Green	Stick	19gm	**LM5039148**	Price

LOCTITE® Anaerobics 7649™ Primer N™

- Solvent-based primer that features very long on-part life
- Use to speed the cure of all Loctite® Anaerobic Products and ensure proper cure on inactive metals
- Ideal for cure conditions below room temperature



Container Size	Hazard Code	Order No.	Price
4.5 oz Aerosol Can	HAZ03	**LM5021348**	Price

LOCTITE® Thread Sealant with Teflon®

- General purpose sealant with the added lubricity of Teflon® for metal pipes
- Allows easy disassembly
- Resists common shop fluids



Size	Hazard Code	Order No.	Price
1 Pint Brush Bottle	HAZ03	**LM5030561**	Price

Vibra-TITE® VC3 Threadmate

- Adjustable, removeable, reusable
- Prevents fasteners from loosening due to shock and vibration
- Locks and seals threaded fasteners of virtually any size
- Works with metal, wood, nylon, PE and PP plastics



Size	Hazard Code	Order No.	Price
30cc Bottle	HAZ58	**LM4521330**	Price

Vibra-TITE® Medium Strength Threadlocker

- Use Vibra-Tite 121 when fasteners need to be removed with standard hand tools
- For fasteners with a diameter between 1/4 and 3/4”



Size	Hazard Code	Order No.	Price
10ml Bottle	HAZ57	**LM4512110**	Price
50ml Bottle	HAZ57	**LM4512150**	Price
250ml Bottle	HAZ58	**LM4512125**	Price

Vibra-TITE® Permanent Strength Threadlocker

- Vibra-Tite 13110 to provide medium-high strength thread-locking where controlled torque / tension is required
- Material lubricates during assembly, securing parts with medium-high strength retention allowing disassembly when required
- Only use on permanent applications.
- Not recommended for use with most plastics as stress cracking can occur



Size	Hazard Code	Order No.	Price
10ml Bottle	HAZ57	**LM4513110**	Price
250ml Bottle	HAZ57	**LM4513125**	Price
35ml Pump	HAZ57	**LM4513535**	Price
50ml Bottle	HAZ57	**LM4513150**	Price

LOCTITE® 404™ Quick Set™ Instant Adhesive

- General purpose clear no mix adhesive
- Designed for bonding rubber and plastic where fast fixturing is required



Size	Hazard Code	Order No.	Price
.333 oz	HAZ57	**LM5046551**	Price

LOCTITE® 380™ Black Max® Toughened Instant Adhesive

- The original elastomer modified instant adhesive
- Bonds metal, rubber and plastic
- Excellent peel, impact and shear strength



Size	Hazard Code	Order No.	Price
1 oz Bottle	HAZ57	**LM5038050**	Price

LOCTITE® 435™ Prism® Instant Adhesive

- Clear, surface insensitive, elastomer-modified instant adhesive
- Faster fixture times over traditional toughened adhesives with exceptional bond and peel strength on metals, plastics and rubbers



Size	Hazard Code	Order No.	Price
16 oz Bottle	HAZ05	**LM5040995**	Price
20 gm Bottle	HAZ57	**LM5040994**	Price

LOCTITE® Super Bonder 409 Industrial Grade Gel Instant Adhesive

- Used for general purpose bonding
- Gel consistency prevents adhesive flow even on vertical surfaces
- High viscosity



Size	Hazard Code	Order No.	Price
300 gm Cartridge	HAZ57	**LM5018030**	Price

LOCTITE® 454™ Prism® Surface Insensitive Instant Adhesive Gel

- A general purpose, no-run clear gel
- Can be applied to vertical surfaces
- Ideal for porous substrates and rough surfaces



MADE IN THE USA

Size	Hazard Code	Order No.	Price
3 gm Tube	HAZ57	**LM5045404**	Price
20 gm Tube	HAZ57	**LM5045440**	Price

LOCTITE® 495™ Super Bonder® Instant Adhesive

- Strong bonds to metal, rubber, and plastic parts
- Can bond parts with caps to .004”
- Works in seconds
- HAZ57



Size	Order No.	Price
1 oz Bottle	**LM5049550**	Price
3 gm Tube	**LM5049504**	Price

LOCTITE® Contact Adhesive

- Fast drying, neoprene-based adhesive
- Bonds porous materials
- Sets to a tack-free surface in 3-4 minutes
- Allows repositioning of parts after initial contact



Size	Hazard Code	Order No.	Price
5 oz Tube	HAZ03	**LM5030537**	Price

3M™ Hi-Strength 90 Spray Adhesive

- Creates a high strength fast tack bond to concrete, wood, MDF, laminates, polypropylene or polyethylene
- Excellent moisture resistance



Size	Hazard Code	Order No.	Price
24 oz	HAZ03	**LF53300233**	Price

3M™ Super 77™ Multi-Purpose Spray Adhesive

- High tack, high coverage and fast drying
- Use for permanently attaching foils, carpeting, lightweight foams, paper, cardboard, felt and cloth to painted or unpainted metals, wood and hardboard
- Bonds quickly in 15 seconds



Size	Hazard Code	Order No.	Price
24 oz	HAZ03	**LF53212109**	Price

LOCTITE® QuickTite®

- General purpose, clear gel
- Bonds to metal, plastic and porous surfaces in seconds
- Features precision flow control applicator
- Can be applied to vertical surfaces



Size	Hazard Code	Order No.	Price
.14 oz Bottle	HAZ57	**LM5039202**	Price

Vibra-TITE® 354 Surface Insensitive Super Glue

- Ideal for porous surfaces
- Can be applied to vertical surfaces
- Clear adhesive gel



Size	Hazard Code	Order No.	Price
3 gm	HAZ57	**LM4535403**	Price
20 gm	HAZ57	**LM4535420**	Price

Vibra-TITE® 388 Toughened Super Glue

- Superior shock and thermal resistance
- Bonds metal, rubber and plastic
- Good for close fitting parts



Size	Hazard Code	Order No.	Price
1 oz Bottle	HAZ57	**LM4538828**	Price

Vibra-TITE® 395 General Purpose Super Glue

- Strong bonds to metal, rubber and plastic parts
- Works in seconds



Size	Hazard Code	Order No.	Price
1 oz Bottle	HAZ57	**LM4539528**	Price

LOCTITE® Max Strength Spray Adhesive

- Designed for bonding foam, fabrics, rubber, plastic, etc
- Resistant to extreme conditions
- Water resistant
- Sprays on clear



Size	Hazard Code	Order No.	Price
17 oz Aerosol	HAZ03	**LM5037312**	Price

LOCTITE® All-Purpose Spray Adhesive

- High strength, clear formula
- Bonds porous or nonporous surfaces
- Permanent and repositionable bonds
- Won’t bleed through
- Resists water and humidity
- Contains no CFCs harmful to environment



Size	Hazard Code	Order No.	Price
10.5 oz Aerosol	HAZ03	**LM5030544**	Price

3M™ Scotch-Weld™ Epoxy Adhesive DP100

- A clear, rigid, two-part epoxy adhesive
- 1:1 Mix ratio
- 5 Minute worklife and handing strength in approximately 20 minutes
- Bonds to a variety of materials such as, metals, ceramics, wood and many plastics
- 3M™ Scotch-Weld™ EPX™ Plus II applicator and mix nozzles are required (not included)



Size	Order No.	Price
1.7 oz	**LF53226489**	Price

3M™ Scotch-Weld™ Epoxy Adhesive DP420

- Toughened, two-part epoxy adhesive
- 2:1 Mix ratio
- 20 minute work life and handling strength in approximately 2 hours
- Bonds extremely well to many surfaces, such as metals, ceramics, wood and some plastics
- 3M™ Scotch-Weld™ EPX™ Plus II applicator and mix nozzles are required (not included)



Size	Hazard Code	Order No.	Price
1.25 oz	HAZ03	**LF53822360**	Price

3M Neoprene High Performance Rubber and Gasket Adhesive 1300

- Adheres neoprene, SBR, butyl, and other types of rubbers to other various substrates
- Excellent moisture and heat resistance and will perform up to up to 300°F/148°C
- Can be used as a contact or wet-bond adhesive



New!

Hazard Code	Order No.	Price
HAZ03	**LF53198687**	Price

LOCTITE® Pipe Joint Compound

- Seals pipes to 5000 PSI
- Prevents galling and corrosion
- Outperforms Teflon® tape
- Won't shred
- Non-hardening



Size	Hazard Code	Order No.	Price
16 oz Brush Top Bottle	HAZ03	**LM5030557**	Price

LOCTITE® 518™ Gasket Eliminator® Flange Sealant

- Forms a flexible, solvent-resistant seal that will not tear or decay
- Seals to 300°F and fills gaps to .050"
- Can be used on flexible metal assemblies, including aluminum surfaces
- HAZ57



Container Size	Order No.	Price
6 ml	**LM5051817**	Price
50 ml	**LM5051831**	Price

LOCTITE® Fixmaster® Fast Cure Epoxy Mixer Cups

- Premeasured epoxy mixer cups
- Bonds in 5-15 minutes
- Excellent chemical resistance
- Fills porosities and can be used to build up worn parts
- Ideal for bonding glass, hard plastics, rubber and metal
- Ten cups per package
- HAZ57



Size	Order No.	Price
4 gm	**LM5021425**	Price

LOCTITE® Fixmaster® Fast Cure PoxyPak™

- High strength permanent bonds on metal, ceramic, concrete, wood, glass, and plastic
- Handling strength in 5 minutes
- May be drilled, sanded, machined, and painted
- Pre-measured 1 oz syringe
- HAZ03



Size	Order No.	Price
1 oz	**LM5081120**	Price

LOCTITE® Fixmaster® Metal Magic Steel™

- Hand kneadable, no measure, gray epoxy putty
- Bonds a variety of surfaces and metals in minutes
- Can be used for wet or dry surfaces
- Cures under water



Size	Order No.	Price
4 oz Stick	**LM5098853**	Price

The World's Finest Cold Weld Compound



- J-B Weld contains a specific mixture of fine steel in a liquid base
- Super strength chemical used for a carrier and activator that causes the super hard finish after the curing process
- J-B Weld etches other materials that helps the metalizing process to bond tighter and adhere forever
- This etching allows J-B Weld to co-mingle with other materials causing a near perfect weld
- Many machine shops use J-B Weld for repairing cracked motor blocks and other castings, because of its tougher qualities and it will not shrink and is not affected by gasoline, oil, water and most other chemicals
- Now available in shop size

Size	Order No.	Price
Two (2) 1 oz Tube	**LM508265S**	Price
Two (2) 5 oz Tube	**LM508280**	Price

ClearWeld™ Syringe



- Quick setting multi-purpose two part epoxy
- Provides a strong and lasting bond on most surfaces including tile, most plastics, ceramic, glass, wood and metals
- Designed to cure with a clear, transparent bond when used in thicknesses of less than 15 mil
- 1:1 Mixing ratio, sets in 5 minutes and cures in 1 hour
- Tensile strength of 4400 PSI

New!

Order No.	Price
LM5050112	Price

PlasticBonder™ Syringes



- Quick-setting two-part urethane adhesive system that provides strong and lasting repairs and works on thermoset carbon fiber composites, thermoplastics, coated metals, concrete & more
- 1:1 Mixing ratio, sets in 15 minutes and can be sanded after 30 minutes
- Tensile strength of 3770 PSI
- Choice of tan or black

New!

Color	Order No.	Price
Black	**LM5050139**	Price
Tan	**LM5050133**	Price

MarineWeld™ Twin Tube



- Specially formulated two-part Cold-Weld™ system that provides strong lasting repairs for bonding different or similar surfaces such as aluminum, metal, composites, fiberglass and others
- Sets in 4-6 hours at room temperature
- At full cure (15-24 hours), color is dark grey, it may be then shaped, tapped, filed, sanded and drilled retaining full strength above or below the water's surface
- 1:1 Mixing ratio
- Tensile strength of 3960 PSI

New!

Order No.	Price
LM508272	Price

PlasticWeld™ Syringe



- Specially formulated two-part adhesive and epoxy filler system thae provides for strong, long-lasting repairs
- Will bond a variety of surfaces, such as metal, composites, fiberglass and others
- Sets in 5 minutes at room temperature and is fully cured in one hour
- Using a 1:1 mixing ratio, PlasticWeld combines tp a tensile strength of 3200 PSI and cures to an off-white color

New!

Order No.	Price
LM5050132	Price

WaterWeld™ Epoxy Putty



- Will plug or seal leaks and patch holes and cracks in almost anything
- Ideal for repairing plumbing, fuel tanks, pools, spas and potable water tanks, setup occurs even under water
- After curing, it can be drilled tapped, filed, sanded and painted
- Set time of 15 to 25 minutes and sets hard in 1 hour
- Cures to off-white color
- Tensile strength of 900 PSI and will withstand temperatures up to 300°F

New!

Order No.	Price
LM508277	Price

KwikWeld™ Syringe



- Fast setting version of the Original J-B Weld two-part epoxy Cold-Weld™ system that provides strong lasting repairs to metal and multiple other surface tyoes
- Sets in 6 minutes, fully cured in 4-6 hours
- Cures to a dark grey color
- Tensile strength of 2424 PSI
- Can withstand temperatures up to 300°F

New!

Order No.	Price
LM5050176	Price

LOCTITE® Gasket Sealant No. 1 & 2

- No. 1 dries fast and sets hard for permanent or rigid assembly
- No. 2 dries slowly and sets to a pliable film for sealing semi-permanent or flexible assemblies



Size	Hazard Code	Order No.	Price
1.5 oz Tube	HAZ57	**LM5030513**	Price
7 oz Tube	HAZ57	**LM5030512**	Price
7 oz Tube	HAZ57	**LM5030515**	Price

LOCTITE® 587™ Blue RTV Gasket Maker

- Makes formed-in-place gaskets
- Superior oil resistance
- Bonds to oil contaminated surfaces
- Noncorrosive



Size	Hazard Code	Order No.	Price
70 ml Tube	HAZ57	**LM5058730**	Price
8 oz Pressurized Can	HAZ03	**LM5030567**	Price
13 oz Cartridge	HAZ57	**LM5058775**	Price

LOCTITE® Instant Gasket

- Blowout resistant and out performs precut gaskets
- Protects against leaks caused by vibration and thermal expansion
- Effective to 550°F in continuous operating environments, 600°F intermittent
- Superior oil resistance, non-corrosive, non-slumping
- One 7 oz can yields approximately 672 linear inches of gasket material, compared to 54 linear inches of typical cut gasket



Size	Hazard Code	Order No.	Price
7 oz Dispenser	HAZ03	**LM5030507**	Price

LOCTITE® High Tack Gasket Sealant

- Holds gaskets in place during assembly
- Remains tacky indefinitely
- Seals gaskets to 500°F
- Contains no CFCs



Size	Hazard Code	Order No.	Price
9 oz Aerosol	HAZ03	**LM5030526**	Price

LOCTITE® Aviation Gasket Sealant

- Seals all types of solid gaskets
- Dries slowly, sets to pliable film
- Applies easily with brush or roller



Size	Hazard Code	Order No.	Price
16 oz Brush Top Bottle	HAZ03	**LM5030516**	Price

LOCTITE® Chisel® Gasket Remover

- Quickly removes baked-on gaskets, sealants and adhesives
- Works on silicone, weather-strip, carbon deposits, dried oil, grease or paint
- Prepares metal parts for new gaskets and assembly



Size	Hazard Code	Order No.	Price
18 oz Aerosol	HAZ08	**LM5079040**	Price

LOCTITE® 5699™ Gray RTV Silicone Gasket Maker

- Remains flexible and withstands vibration
- Designed for high torque applications
- Outstanding oil and shop fluid resistance
- Withstands temps.–75° to 625°



Size	Hazard Code	Order No.	Price
70 ml Tube	HAZ57	**LM5018718**	Price
300 ml Cartridge	HAZ57	**LM5018581**	Price

LOCTITE® SuperFlex® Blue RTV Silicone

- Insulates electrical wiring
- Adheres to wood, glass, metal, plastic, ceramics, leather, tile, fabric, vinyl, rubber and concrete
- Stops leaks, seals joints and caulk
- Dries tough and flexible



Size	Hazard	Order No.	Price
80 ml Tube	HAZ57	**LM5030560**	Price
7.25 oz Aerosol	HAZ03	**LM5030541**	Price
12 oz Tube	HAZ57	**LM5030518**	Price

LOCTITE® SuperFlex® Red Hi-Temp RTV Silicone

- Makes formed-in-place gaskets of any size or shape
- Withstands temps to 600°F
- Fills voids and remains flexible
- Room temperature cure



Size	Hazard	Order No.	Price
3 oz Tube	HAZ57	**LM5059630**	Price
8 oz Pressurized Can	HAZ03	**LM5030564**	Price
11 oz Cartridge	HAZ57	**LM5059675**	Price
12 oz Tube	HAZ57	**LM5082279**	Price

LOCTITE® SuperFlex® RTV Silicone

- For gasketing, sealing, bonding and caulking
- Room temperature cure
- Remains flexible
- Works to 500°F
- Fills voids



Color - Black			
Size	**Hazard Code**	**Order No.**	**Price**
3 oz Tube	HAZ57	**LM5059330**	Price
11 oz Cartridge	HAZ57	**LM5059375**	Price

Color - Clear			
Size	**Hazard Code**	**Order No.**	**Price**
80 ml Tube	HAZ57	**LM5059530**	Price
7.25 oz Pressurized Can	HAZ03	**LM5030562**	Price
11 oz Cartridge	HAZ57	**LM5059575**	Price

CROWN Prussian Blue High Spot Indicator

- For quick identification of high spots on surfaces and for mating components in assembly operations



Size	Hazard Code	Order No.	Price
6 oz	HAZ03	**LP506090**	Price

DYKEM Layout Fluids

- Dykem® Steel Blue® is the world's leading layout fluid
- It prevents glare, dries to the touch in minutes, leaves a uniform, deep blue color and gives scribed lines a clear, precise appearance
- Hazard Code: 03



	Steel Blue		Steel Red	
Size	Order No.	Price	Order No.	Price
2 oz Felt Tip	**LL6080200**	Price	**LL6080296**	Price
4 oz Brush In Cap	**LL6080300**	Price	**LL6080396**	Price
8 oz Brush In Cap	**LL6080400**	Price	**LL6080496**	Price
12 oz Aerosol	**LL6080000**	Price	**LL6080096**	Price
31 oz (930 ml)	**LL6080600**	Price	**LL6080696**	Price

DYKEM Cross-Check™



- Provides for identifying vibrating, loose or tampered with fasteners
- Highly visible- broken marks easily shown
- Hazard Code: 03

Color	Size	Order No.	Price
Orange	1 oz Tube	**LL6083314**	Price
Green	1 oz Tube	**LL6083315**	Price
Red	1 oz Tube	**LL6083316**	Price
Yellow	1 oz Tube	**LL6083317**	Price
Blue	1 oz Tube	**LL6083318**	Price

CROWN Fault Finder Inspection Kit 1070

Group 1



- **Kit Contains:** 4 - #1071 Cleaner; 2 - #1072 Penetrant; 2 - #1073 Developer Advantages: portability, accuracy, versatility, simplicity, availability
- Group 1 is Certified
- Kit contains no chlorine or sulfur-bearing solvents
- Because of its carrier solvents, Group 1 is our least flammable system
- Hazard Code: 03

Description	Size	Order No.	Price
Fault Finder Inspection Kit	Kit	**LP501070**	Price
Developer for Fault Finder Kit	7.5 oz	**LP501073**	Price
Penetrant for Fault Finder Kit	7.5 oz	**LP501072**	Price
Cleaner for Fault Finder Kit	8.5 oz	**LP501071**	Price

DYKEM Hi-Spot Blue



- Used for locating high spots on bearing and gear surfaces
- It is non-drying and non-hardening and transfers clearly from one surface to another

Size	Hazard Code	Order No.	Price
.55 oz	HAZ57	**LL6083307**	Price

ASHBURN Layout Ink MIKE-O-BLUE



- Provides a smooth, dark, non-glare coating to metal surfaces
- Dries quickly and uniformly for creating high visible, precision scribe lines and cutting surfaces
- Easily removed with Ashburn Layout Ink Remover
- Uniformity of film
- Non-glare
- Dries in seconds
- Heat resistant
- Acid-free

MADE IN THE USA

Size	Hazard Code	Order No.	Price
16 oz	HAZ03	**LK70G500116**	Price

ASHBURN Layout Ink Remover



- Contains a special solvent for the removal of layout inks and fluids
- Fast acting
- Safe on most durfaces
- No-residue
- Non-corrosive
- Also effective as a solvent/degreaser

MADE IN THE USA

Size	Hazard Code	Order No.	Price
16 oz	HAZ03	**LK70G500916**	Price
5 Gallon	HAZ64	**LK70G5008105**	Price
55 Gallon	HAZ06	**LK70G5008255†**	Price

† All 55 Gallon Drums FOB Factory

CROWN Tan Cover-Up Ink



- Dry to touch in 3 minutes; allows for fast handling in production lines
- Complete coverage in one application
- Will not smear or smudge
- Hot or cold applications
- Waterproof
- Excellent outdoor color retention
- Apply to virtually any porous or non-porous surface
- Matched to Fed Std. 595 colors
- Meets MIL-A-A-208A

Size	Hazard Code	Order No.	Price
12 oz	HAZ03	**LP502811**	Price

CROWN Stencil Ink



- 11 oz Aerosol
- This waterproof ink saves time and money; won't smear or smudge

Color	Hazard Code	Order No.	Price
Black	HAZ03	**LP507080**	Price
White	HAZ03	**LP507083**	Price

PRECISION BRAND Tool Black®



- Fast, inexpensive alternative to black oxide
- Imparts a tough, dull black protective finish to ferrous metal parts
- Ideal for prototypes, repair parts and general machine work
- No special ventilating system required
- PREVENT® is ozone safe
- One quart of TOOL BLACK® covers 50 to 75 square feet
- Kit includes: One pint of each: Tool Black®, Prevent® and Cleaner-Degreaser

Size	Description	Hazard Code	Order No.	Price
1 Pint	Metal Polish/Cleanser	HAZ57	**MA5245106**	Price
1 Pint	Tool Black Liquid	HAZ03	**MA5245112**	Price
1 Pint	Prevent	HAZ57	**MA5245116**	Price
1 Pint	Complete Tool Black Liquid Kit	HAZ03	**MA5245126**	Price
1 Qt	Tool Black	HAZ08	**MA5245110**	Price

CROWN Toolmaker's Ink Blue



- Specially formulated blue layout fluid is used in tool and die making, pattern making, machining and other related applications
- Dries instantly; will not peel, flake, or rub off
- Excellent adhesion to all metals, aluminum and glass
- Easily removed with #6095 Toolmaker's Ink Remover
- Heat resistant, non-corrosive formula
- **Applications:** tool and die making, pattern making, machining, templates, machined parts, and maintenance mechanicals

Size	Hazard Code	Order No.	Price
12 oz	HAZ03	**LP506001**	Price

DYKEM Remover, Cleaner & Thinner



- Surface preparation is the key in making your fluid adhere and form a uniform coating
- All oils, grease and dirt must be removed prior to application of Dykem® products
- Dykem® Remover, Cleaner & Thinner may also be used for removing all types of layout fluids
- Use on all metals, most plastics, most fabrics and glass

Size	Hazard Code	Order No.	Price
16 oz	HAZ03	**LL6082038**	Price
1 Gallon	HAZ27	**LL6082738**	Price
5 Gallon	HAZ64	**LL6082838**	Price

DYKEM Staining Colors



- Use Dykem® staining colors to identify parts requiring instant, visual identification
- Resistant to oils and solvents
- Fast drying
- Thin (.002") coating won't interfere with part operation

		White		Yellow	
Size	Hazard Code	Order No.	Price	Order No.	Price
8 oz Brush In Cap	HAZ03	**LL6081427**	Price	**LL6081405**	Price
1 Gallon	HAZ27	**LL6081727**	Price	**LL6081705**	Price

†† Several other colors are avilable

CROWN Toolmaker's Ink Remover



- **Dissolves all layout fluids**
- Special solvents remove inks without bothersome residues
- Can also be used as a paintstripper
- Safe and convenient aerosol application

Size	Hazard Code	Order No.	Price
13 oz	HAZ03	**LP506095**	Price

DYKEM Fountain Brush & Bottle

A soft hair brush with hollow handle attached to a clear squeezable bulb. Ideal for brushing layout fluids



Order No.	Price
LL6089157	Price

DYKEM Brite-Mark® Jumbo Paint Marker



- Write on virtually any surface
- Quick drying, oil-based paint withstands indoor and outdoor conditions
- The mark remains true and will notfade, chip or lose opacity
- HAP's (Hazardous Air Pollutants) free makes them a smart alternative to aerosol spray paint and stencil applications
- Designed to write broad mark visible from the long distatnce, the marks are over 0.5 inch wide
- Valve action mechanism prevents paint in barrel from drying when cap is left off.
- Heavy duty aluminum barrel retains its shape
- Felt tips are reversible and replaceable to assure complete use of paint in each marker
- Normal Drying Time: 2 minutes
- HAZ03

Color	Order No.	Price
Black	**LL6077002**	Price
Blue	**LL6077001**	Price
Green	**LL6077007**	Price
White	**LL6077003**	Price
Yellow	**LL6077004**	Price
Orange	**LL6077005**	Price
Red	**LL6077006**	Price

Markal B® Paintstik® Multi-purpose Permanent Solid Paint Crayon



- Real paint for long-lasting, highly visible marks
- Superior marking on rough, rusty, or dirty surfaces
- Solid paint marker eliminates replacement tips, sharpening or priming, increasing productivity

Color	Order No.	Price
Black	**LH5280223**	Price
Blue	**LH5280225**	Price
Green	**LH5280226**	Price
Orange	**LH5280224**	Price
Red	**LH5280222**	Price
White	**LH5280220**	Price
Yellow	**LH5280221**	Price

Markal Ball Paint® Marker



- Ball size 1/8" lead-free
- Marks are weather and water resistant
- In unbreakable plastic bottle with durable metal tip
- Marks on almost any metal surface
- Plastic cap keeps tip clean between jobs
- HAZ03

Color	Order No.	Price
Blue	**LH5284625**	Price
Orange	**LH5284624**	Price
Red	**LH5284622**	Price
White	**LH5284620**	Price
Yellow	**LH5284621**	Price

Markal Dura-Ball® Tube Paint Marker



- Mark, identify, color code withreal lead free paint
- Ball size 1/8"
- Paint dries in minutes
- Marks on metal, plastic, rubber
- Long lasting, weather and fade-resistant marks
- Marking range: -50°F to 150°F
- HAZ03

Color	Order No.	Price
White	**LH5296652**	Price
Yellow	**LH5296653**	Price

DYKEM Rinz® Off & Sudz® Off Markers



- Temporary markers allow you to make marks on untreated metal and remove them
- Rinz Off® can be removed with water, and Sudz Off® can be removed with a detergent of pH10 or higher. Ideal for quality control, part assembly, identification, site inspection and more
- Both have a drying time of 45-60 seconds
- HAZ03

Type - Rinz Off® Medium Markers		
Color	**Order No.**	**Price**
Black	**LL6091109**	Price
Blue	**LL6091105**	Price
Green	**LL6091108**	Price
Red	**LL6091106**	Price

Type - Sudz Off® Medium Markers		
Color	**Order No.**	**Price**
Black	**LL6091985**	3.55
Blue	**LL6091938**	3.55
Green	**LL6091371**	3.55
Red	**LL6091939**	3.55
White	**LL6091146**	3.55
Yellow	**LL6091694**	3.55

DYKEM Texpen® & Dalo® Markers

- Smaller version of the Dykem® Dalo®
- Writes through oil, grease and even under water
- Stainless steel-ball tip won't wear out before the paint is gone, even if you are writing on rough concrete or rusty metal
- Withstand extreme weather conditions without losing legibility or brightness
- Dry time: 25-35 minutes
- HAZ03



	Dalo® Medium Markers		Texpen® Medium Markers	
Color	**Order No.**	**Price**	**Order No.**	**Price**
Black	**LL6026033**	Price	**LL6016033**	Price
Blue	**LL6026013**	Price	**LL6016013**	Price
Green	**LL6026043**	Price	**LL6016043**	Price
Orange	**LL6026103**	Price	**LL6016103**	Price
Red	**LL6026023**	Price	**LL6016023**	Price
White	**LL6026083**	Price	**LL6016083**	Price
Yellow	**LL6026063**	Price	**LL6016063**	Price

Markal® Pro-Line® Microline Marker

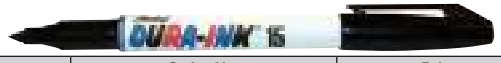
- Xylene-free for less odor
- Self-storing cap; integrated pocket clip
- Ergonomic design for comfortable extended use
- Marking range: -50°F to 150°F (-46°C to 66°C)
- HAZ03



Color	Order No.	Price
Black	**LH5296890**	Price
Red	**LH5296891**	Price
White	**LH5296888**	Price
Yellow	**LH5296889**	Price

Markal® DURA-INK® 15 Fine Bullet Tip Permanent Ink Marker

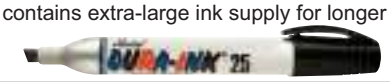
- Industrial-strength ink is smear- and water-resistant for longer lasting marks
- Extra-tough tip will not spread or mush
- Durable plastic barrel reduces breakage on the jobsite or in-plant
- HAZ57



Color	Order No.	Price
Black	**LH5296023**	Price
Blue	**LH5296025**	Price
Red	**LH5296022**	Price

Markal® DURA-INK® 25 Medium Chisel Tip Permanent Ink Marker

- The versatile chisel tip can make both fine or broad marks for flexible marking needs
- Smear- and water-resistant industrial ink allows for long-lasting marks
- Heavy-duty metal barrel contains extra-large ink supply for longer marking life
- HAZ57



Color	Order No.	Price
Black	**LH5296223**	Price
Red	**LH5296222**	Price

Markal® QUIK STIK® Fast-drying Solid Paint Marker

MADE IN THE USA



- Solid paint marker advances and retracts by turning twist-up knob
- Fast-drying, vibrant paint marks dry in 5 to 7 minutes
- Marks on virtually any surface: wet, smooth, rough, or hot
- HAZ57

Color	Order No.	Price
Black	**LH5261050**	Price
Blue	**LH5261070**	Price
Red	**LH5261049**	Price
White	**LH5261051**	Price
Yellow	**LH5261053**	Price

Markal® PRO-MAX® Extra - Large Liquid Paint Marker



- Largest marks available (up to 9/16", 14 mm) in an industrial paint marker
- Valve-actuated tip releases paint on-demand for smooth, continuous use
- Xylene-free paint reduces user health risks
- HAZ03

Color	Order No.	Price
Black	**LH5290903**	Price
Blue	**LH5290905**	Price
Orange	**LH5290904**	Price
Red	**LH5290902**	Price
White	**LH5290900**	Price
Yellow	**LH5290901**	Price

DYKEM High Purity Markers



- Contains trace amounts of halogens, low melting metals and low in chlorides
- Can be used on surfaces where degradation, contamination or adverse effects are not desired
- Stainless steel-ball tip and valve action felt tip allow for easy writing
- Dry time: 20-30 minutes
- The Texpen® Medium has a stainless steel-ball tip, the AM 44 has a felt tip
- HAZ03

	AM 44 Marker		Texpen® Medium Marker	
Color	**Order No.**	**Price**	**Order No.**	**Price**
Black	**LL6044404**	Price	**LL6017473**	Price
Blue	**LL6044534**	Price	**-**	-
Red	**LL6044301**	Price	**-**	-
White	**LL6044729**	Price	**LL6017463**	Price
Yellow	**LL6044916**	Price	**-**	-

Sharpie

- Permanent on most hard-to-mark surfaces such as: wet & oily surfaces, sandpaper, concrete, bricks, glass, metal, plastic, wood, etc.
- Stronger professional chisel tip lasts 50% longer than a standard Sharpie chisel tip
- Reinforced oval shaped barrel designed to resist dents and will not roll off flat surfaces
- Two distinctive line widths: broad or fine



Color	Order No.	Price
Black	**LH5134801SH**	Price

DYKEM Brand BRITE-MARK Paint Markers



- General purpose marker that writes on almost any surface with a clear, bold marking
- Oil-based paint marker withstand indoor and outdoor conditions, including acid and alkaline rain
- A valve action mechanism prevents paint in the barrel from drying when cap is left off
- Writes on metal, rubber, plastic, glass, concrete, leather, stone, wood, vinyl, and more
- Dry time: 25-35 seconds
- HAZ03

Color	Order No.	Price
Black	**LL6084002**	Price
Blue	**LL6084001**	Price
Gold	**LL6084051**	Price
Green	**LL6084007**	Price
Light Blue	**LL6084008**	Price
Orange	**LL6084005**	Price
Pink	**LL6084009**	Price
Red	**LL6084006**	Price
Silver	**LL6084050**	Price
Violet	**LL6084019**	Price
White	**LL6084003**	Price
Yellow	**LL6084004**	Price

DYKEM Brand Tuff Guy™



- Felt tip, valve action ink marker
- Quickly dries in 25 - 35 seconds
- Writes on plastic, glass, rubber, metal, wood, leather, vinyl, shrink wrap, nursery tags and more
- Resists hot or cold degreasing solvents
- Clear, crisp, smudge resistant markings
- Resists mild acids, alkaline solutions, alcohol, gasoline, lubricating & mineral oils
- UV and weather resistant
- Withstands salt spray, soils and petroleum products
- HAZ03

Color	Order No.	Price
Black	**LL6044203**	Price
Blue	**LL6044179**	Price
Green	**LL6044177**	Price
Red	**LL6044819**	Price
White	**LL6044175**	Price
Yellow	**LL6044401**	Price

DYKEM Brand High Temp Markers



- Dykem® High Temperature Markers have a heavy viscosity, oil-based paint that is specially formulated for nonporous surfaces that reach temperatures of up to 2000˚F/1093˚C. Marks become permanent and fused when heated
- Perfect for marking on glass, metal and ceramic parts
- High Temp Texpen dries within 25-35 minutes, and High Temp 44 dries within 45-60 seconds

Type - AM 44 Markers				
Color	Hazard Code	Temp. Range	Order No.	Price
Black	HAZ03	2000°F (1093°C)	**LL6044250**	Price
Blue	HAZ03	2000°F (1093°C)	**LL6044094**	Price
Green	HAZ03	1800°F (982°C)	**LL6044266**	Price
White	HAZ03	1550-1650°F (843-899°C)	**LL6044219**	Price
Yellow	HAZ03	800-900°F (426-482°C)	**LL6044424**	Price

Type - Texpen® Medium Markers				
Color	Hazard Code	Temp. Range	Order No.	Price
White	HAZ03	800-900°F (426-482°C)	**LL6017083**	Price
Yellow	HAZ03	800-900°F (426-482°C)	**LL6017063**	Price

Markal® Valve Action® Liquid Paint Marker

- Fast-drying, permanent paint for immediate handling reduces work downtime
- Dura-Nib medium bullet tip resists wear to provide long marking life
- Xylene-free paint reduces user health risks
- HAZ57



Color	Order No.	Price
Aluminum	**LH5296832**	Price
Black	**LH5296823**	Price
Blue	**LH5296825**	Price
Brown	**LH5296809**	Price
Gold	**LH5296827**	Price
Green	**LH5296826**	Price
Light Blue	**LH5296835**	Price
Light Green	**LH5296828**	Price

Color	Order No.	Price
Orange	**LH5296824**	Price
Pink	**LH5296830**	Price
Purple	**LH5296817**	Price
Red	**LH5296822**	Price
White	**LH5296820**	Price
Yellow	**LH5296821**	Price

Markal® PRO-LINE® HP Liquid Paint Marker for Oily Surfaces

- Unique paint formula resists spreading and dries quickly through oily surfaces to leave precise, permanent marks
- Durable metal barrel and nib reduce breakage for longer marking life.
- Xylene-free paint reduces user health risks
- HAZ57



Color	Order No.	Price
Black	**LH5296963**	Price
Blue	**LH5296965**	Price
Green	**LH5296966**	Price
Orange	**LH5296964**	Price
Red	**LH5296962**	Price

Color	Order No.	Price
Silver	**LH5296967**	Price
White	**LH5296960**	Price
Yellow	**LH5296961**	Price

Markal® PRO-LINE® Fine and Micro

- Available in fine and micro tip sizes for precise, permanent paint marking.
- Offered in 2 sizes: fine 1/16" (1.5 mm) and micro 1/32" (1 mm)
- Xylene-free paint reduces user health risks
- HAZ57



Color	Order No.	Price
Black	**LH5296873**	Price
Blue	**LH5296875**	Price
Green	**LH5296876**	Price
Light Green	**LH5296879**	Price
Orange	**LH5296877**	Price

Color	Order No.	Price
Red	**LH5296874**	Price
White	**LH5296871**	Price
Yellow	**LH5296872**	Price

Markal® PRO-WASH® Removable Liquid Paint Marker



- Fast-drying paint easily removes, leaving surfaces free of mark ghosting or paint residue
- PRO-WASH W marks can be removed simply and quickly with water
- PRO-WASH D marks can be removed with detergent solutions that have a pH level of 10 or above
- HAZ03

	Pro Wash Marker D		Pro Wash Marker W	
Color	Order No.	Price	Order No.	Price
Black	**LH5297013**	Price	**LH5297033**	Price
Blue	**LH5297015**	Price	**LH5297035**	Price
Green	**LH5297016**	Price	**LH5297036**	Price
Red	**LH5297012**	Price	**LH5297032**	Price
White	**LH5297010**	Price	**LH5297030**	Price
Yellow	**LH5297011**	Price	**LH5297031**	Price

Solvent-Based Striping Paint



- Solvent-based striping paint adheres to a variety of surfaces, including asphalt and concrete
- Not recommended for turf surfaces
- Fast drying - 5 minutes to touch
- Durable, long-lasting stripe
- High-visibility colors
- VOC compliant and lead-free
- Non-clogging spray tip
- Excellent resistance to traffic, oil and gasoline
- One case of aerosol paint will yield a 4-inch stripe approximately 700 linear feet
- **Applications:** parking lots, warehouse aisles, school yards, tennis courts, and factory safety aisles
- HAZ03

Color	Size	Order No.	Price
Traffic Blue	18 oz	**LP50750**	Price
Traffic Red	18 oz	**LP50730**	Price
Traffic White	18 oz	**LP50710**	Price
Traffic Yellow	18 oz	**LP50720**	Price

Survey Marking Paint



- Superior upside-down marking paint that is designed for survey marking
- Provides the best quality paint in terms of color visibility and retention, durability, and a lasting mark of up to six months
- HAZ03

Color	Size	Order No.	Price
Blue	17 oz	**LP50203**	Price
Fluorescent Pink	17 oz	**LP50229**	Price
Fluorescent Red	17 oz	**LP50220**	Price
White	17 oz	**LP50207**	Price
Fluorescent Orange	17 oz	**LP50222**	Price

All Purpose Marking Paint



- Designed to provide a very cost-effective approach to marking
- Provides good visibility for a two-month range
- HAZ03

Color	Size	Order No.	Price
Blue	15 oz	**LP501383**	Price
Fluorescent Orange	15 oz	**LP501392**	Price
Fluorescent Pink	15 oz	**LP501399**	Price
Red	15 oz	**LP501381**	Price
White	15 oz	**LP501387**	Price

Spot Marker & Marking Stick

- Spot marker overall length - 10”
- Marking stick approximate length - 32”
- Single - hand operation, excellent can balance
- Convenient trigger actuator





Type	Order No.	Price
Marking Stick-Paint Delivery Handle	**LP50245**	Price
Spot Marker-Paint Delivery Handle	**LP50244**	Price

Vers-A-Striper

- A lightweight, heavy-duty applicator for Aervoe aerosol striping paint
- Stripe widths up to 4-inches
- For use on hard surfaces such as asphalt and concrete



Order No.	Price
LP50800	Price

Quik-Mark™ Inverted Marking Paints

- High solids formulation for bold, bright, visible markings
- Fast-drying, high-solids formula penetrates and adheres to hot surfaces
- Convenient Spray-Thru™ cap and non-clogging spray tip
- VOC compliant, free-of-lead hazards
- HAZ03



Description - Solvent Based			
Color	**Size**	**Order No.**	**Price**
Blue	20 oz	**LP40S03621**	Price
Bright Orange	20 oz	**LP40S03731**	Price
Fluorescent Hot Pink	20 oz	**LP40S03622**	Price
Fluorescent Neon Green	20 oz	**LP40S03614**	Price
Fluorescent Orange	20 oz	**LP40S03702**	Price
Fluorescent Red/Orange	20 oz	**LP40AT3701**	Price
High Visibility Yellow	20 oz	**LP40S03821**	Price
Red	20 oz	**LP40S03611**	Price
Safety Yellow (Lead Free)	20 oz	**LP40S03823**	Price
Utility White	20 oz	**LP40S03900**	Price



Description - Water Based			
Color	**Size**	**Order No.**	**Price**
Brilliant Red	20 oz	**LP40S03911**	Price
Brilliant White	20 oz	**LP40S03901**	Price
Clear (extends wear & fading)	20 oz	**LP40S03500**	Price
Fluorescent Caution Blue	20 oz	**LP40S03620**	Price
Fluorescent Caution Green	20 oz	**LP40S03630**	Price
Fluorescent Orange	20 oz	**LP40S03700**	Price
Fluorescent Pink	20 oz	**LP40S03612**	Price
Fluorescent Red/Orange	20 oz	**LP40S03650**	Price
Fluorescent Safety Red	20 oz	**LP40S03610**	Price
Utility Yellow (Lead Free)	20 oz	**LP40S03801**	Price

Quik-Mark™ Inverted Marking Chalks

- For use on common indoor and outdoor surfaces, including roads, pavements, gravel, soil, grass, etc
- Can be removed from hard surfaces with wire brush & water
- Lasts up to 30 days
- VOC compliant
- Uses: Communication lines, electrical installations, athletic fields, utilities marking, surveys, construction, excavation, ground marking
- HAZ03



Color	Size	Order No.	Price
APWA Blue	20 oz	**LP40KWBC03504**	Price
APWA Green	20 oz	**LP40KWBC03506**	Price
APWA Orange	20 oz	**LP40KWBC03501**	Price
APWA Red	20 oz	**LP40KWBC03503**	Price
APWA White	20 oz	**LP40KWBC03505**	Price
APWA Yellow	20 oz	**LP40KWBC03502**	Price

Zynolyte Spray Paint

- Quick drying
- Economical
- Provides a tough, durable finish on most interior and exterior surfaces
- **Applications:** wood, metal, aluminum, wrought iron, hard plastic, and drywall
- HAZ03



Color	Size	Order No.	Price
Aluminum	10 oz	**LP50S180**	Price
Flat Black	10 oz	**LP50S186**	Price
Flat White	10 oz	**LP50S188**	Price

CORTECH

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