

INDUSTRIAL CATALOG
STOCK ITEMS READY TO SHIP

A TYROLIT Company
www.radiac.com

Radiac
Abrasives



A TYROLIT Company

A FULL LINE ABRASIVES SUPPLIER

Radiac is a leading manufacturer of bonded and superabrasive products in North America. For more than 100 years, Radiac has delivered technology and quality in both product and service to the industry.

Today with our enlarged product offering, we deliver engineered grinding solutions for many operations and applications where constant maximum performance and the toughest efficiency are required.

TELL US YOUR NEEDS, WE'LL MEET THEM!

Radiac Abrasives offers more than 50,000 precision built products of high quality, performance and repeatability for virtually every conceivable manufacturing area. These vast resources are presented via Vitriified Bond, Resinoid Bond, Rubber Bonded, Epoxy, Diamond and CBN products. Working with many leading-edge companies, our unrivaled track record serves as testimony to the expertise offered by Radiac Abrasives.

GRIND WITH A TEAM THAT KNOWS HOW.

Radiac offers an unparalleled selection of products, materials and service to help manufacturing organizations address their requirements. No other organization can offer the experience, spirit, resources and support enjoyed by Radiac customers.

WE'LL MEASURE YOUR PERFORMANCE.

World-class organizations understand the increasing importance of producing quality products. Radiac's two-tiered marketing approach includes a technically trained Field Sales organization together with an important Business Unit initiative providing comprehensive testing, application experience and understanding. It is quality product performance that can help your business grow.

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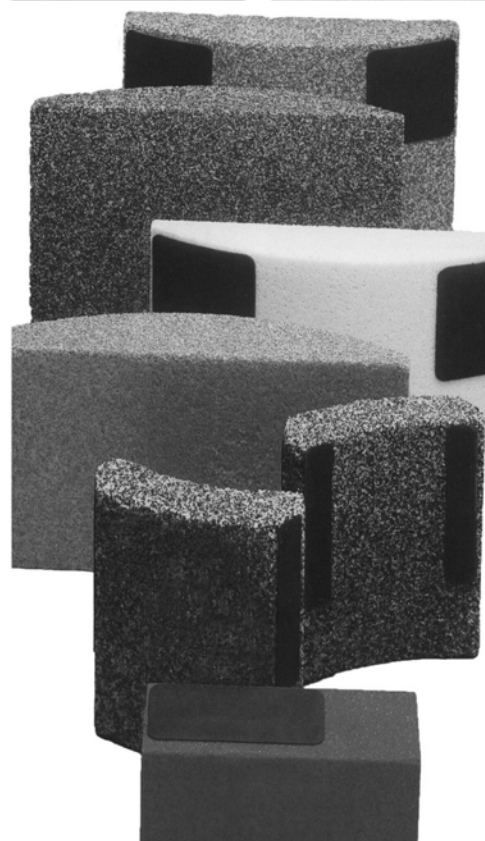
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RADIAC MARKINGS

WRA462-K8-V8

WRA

GRAIN TYPES

ALUMINUM OXIDES

- A - Regular Alum. Ox.
- AT - Cer. AL₂O₃
- RA - Friable Ruby
- RAA - Friable Pink
- WA - Friable White
- 9A - Friable White
- XL/4A - Semifriable
- 32A - Semifriable
- 8A - Semifriable
- WRA** - Friable Mixture
- WAA - Semifriable Mixture
- 97A - Semifriable Mixture

MIXTURE ALUMINUM OXIDE AND SILICON CARBIDE

- CA - Tough Mixture

SILICON CARBIDE

- GC - Green Friable Sil. Carbide
- C - Black Silicon Carbide

ZIRCONIA (resin only)

- YB - Modified Zirconia
- YNB - Modified Friable Zirconia

CERAMIC

- 7BW - Friable Ceramic Mix.
- 8BW - Friable Ceramic Mix.
- 9BW - Friable Ceramic Mix.
- 7BP - Friable Ceramic Mix.
- 8BP - Friable Ceramic Mix.
- 9BP - Friable Ceramic Mix.

46

GRIT SIZES

(COARSE)

- 14
- 16
- 20
- 24

(MEDIUM)

- 30
- 36
- 46**

(FINE)

- 80
- 90
- 100
- 120
- 150
- 180
- 220

2

GRAIN COMBO.

BLANK (STD)

- (STD)
- 1
- 2**
- 3
- 8

K

GRADE

(SOFT)

- D
- E
- F
- G
- H

(MEDIUM)

- I
- J
- K**
- L
- M
- N
- O

(HARD)

- P
- Q
- R
- S
- T
- U
- V
- W
- X
- Y
- Z

8

STRUCTURE

(DENSE)

- 5
- 8**
- 11
- 14*

(OPEN)

INDUCED POROSITY

- 800
- 802

V8

BOND TYPE

- V-Vitrified
- B-Resin
- R-Rubber

(VITRIFIED)

- V1
- V8**
- VEQ
- VOS
- V28
- V4
- VL

(RESIN)

- B10
- B11
- B20
- B60
- RB5
- BFM2
- ZBN
- ZBL

REINFORCEMENT CODES

F

- F0
- F1
- F2**
- F6
- F8
- F10

CODE	REINFORCING DESCRIPTION	
F	Full	Internal Only, Over 1/2" Thick
F0	Flange	1-Full Diameter Inside 2-Short (50%) Diameter Outside
F1	Full	1-Full Diameter Inside
F2	Full	1-Full Diameter Inside 2-Full Diameter Outside
F6	Flange	2-Full Diameter Inside 2-Short (50%) Diameter Outside
F8	Full	2-Full Diameter Outside
F10	Zone	2-Short (50%) Diameter Outside
Limited To Wheels Less Than 1/2" Thick		

REINFORCEMENT CODES: A46-P5-B10 **F2**

The majority of cut-off and snagging wheels are made with fiberglass reinforcement. This is to add strength to the product to resist breakage due to uneven pressures or severe bending or side pressure. As shown on the chart, the fiberglass can be internal, external or a combination of both. Wheels can also be ordered with 50% reinforcement to add strength in the flange area. On any operation where the work piece may not be securely clamped, reinforcement wheels should be used.

* 11 + 14 structures in V8 and VIP bonds are made with induced porosity.

1-800-851-1095

Aluminum Oxide Abrasive

For grinding or cutting carbon steel, high speed steel, tool and die steel and other high alloy, high tensile strength materials.

- **MULTI-PURPOSE ALUMINUM OXIDE - WAA - 97A - A**
Versatile abrasives recommended for both hard and soft materials and for extended wheel life.
- **PREMIUM ALUMINUM OXIDE - 32A - 9A - WA - WRA - RA - RAA - 8A**
Very forgiving, cool cutting abrasives. Best suited for heat sensitive hardened steels and hard to grind alloys.

A

- REGULAR ALUMINUM OXIDE
- GOOD FOR ROUGH GRINDING
- VERSATILE FOR SOFT/HARD MATERIALS
- BLUISH GRAY IN COLOR

WA

- MULTI-PURPOSE ABRASIVE
- EXCELLENT ON SOFT AND HARD MATERIALS
- BLEND OF WA AND A
- LIGHT STOCK REMOVAL
- BROWN/WHITE IN COLOR

97A

- GOOD MULTI-PURPOSE ABRASIVE
- EXCELLENT IN POR-OS-WAY
- BROWN/WHITE IN COLOR

WA

- COOL CUTTING
- GOOD FOR FINISH GRINDING
- GOOD FOR HEAT SENSITIVE MATERIALS
- LIGHT STOCK REMOVAL .001" or less per pass
- WHITE IN COLOR

9A

- COOLEST CUTTING
- EXCELLENT ON HEAT SENSITIVE PARTS
- LIGHT STOCK REMOVAL .001" or less per pass
- WHITE IN COLOR

RAA

- COOL CUTTING
- GOOD FOR HEAT SENSITIVE MATERIALS
- EXCELLENT ON EXOTIC MATERIALS
- LIGHT TO MEDIUM STOCK REMOVAL .001" - .002" per pass
- PINK IN COLOR

8A

- EXCELLENT FORM HOLDING
- IDEAL FOR HEAT SENSITIVE MATERIALS
- LIGHT TO MEDIUM STOCK REMOVAL .001"-.003" per pass
- LAVENDER IN COLOR

32A

- GOOD MULTI-PURPOSE ABRASIVES
- VERY VERSATILE
- GOOD FORM HOLDING
- LIGHT TO MEDIUM STOCK REMOVAL .001" - .003" per pass
- GRAY IN COLOR

WRA

- GOOD MULTI-PURPOSE ABRASIVE
- VERY VERSATILE
- GOOD FORM HOLDING
- MEDIUM STOCK REMOVAL .002" - .003" per pass
- MIXTURE OF WA (WHITE) AND RA (RUBY) ABRASIVES

XL

- MULTI-PURPOSE ABRASIVE
- GOOD FORM HOLDING
- HEAVY STOCK REMOVAL
- PREMIUM FLUTING ABRASIVE

RA

- TOUGH ABRASIVE
- EXCELLENT FORM HOLDING
- GOOD FOR ROUGH GRINDING
- HEAVY STOCK REMOVAL .005" plus per pass
- RUBY IN COLOR

Ceramic Abrasive

Ideal for down feeds of .005"-plus per pass, on material with a Rockwell hardness range of 40 Rc+. Excellent for Heat sensitive and difficult to grind material. A micron sized abrasive, uniform in size, continually presenting sharp cutting edges during stock removal.

BW

- LONGER WHEEL LIFE
- GOOD FOR HEAT SENSITIVE MATERIALS
- BLEND OF CERAMIC ABRASIVE WITH WA
- HEAVY STOCK REMOVAL .003+
- EXCELLENT FORM HOLDING

BP

- EXCELLENT WITH METAL OF HIGH CHROMIUM CONTENT
 - WELL SUITED FOR MATERIALS 40 Rc+
- MINIMAL DRESSING
- BLEND OF CERAMIC ABRASIVE AND RAA
- HEAVY STOCK REMOVAL .005+

BL

- EXCELLENT FORM HOLDING
- EXCELLENT ON EXOTIC MATERIALS
- BLEND OF CERAMIC AND 8A
- HEAVY STOCK REMOVAL .004+

Silicon Carbide Abrasive

Used in grinding of tungsten carbide, cast iron, aluminum, copper, bronze and non-metallic materials such as plastic and glass. A very hard, sharp abrasive grain.

- **GC - PREMIUM FRIABLE**

- **C - MULTI-PURPOSE**

GC

- SILICON CARBIDE ABRASIVE
- EXCELLENT FOR CARBIDE CUTTING TOOLS
- GRINDING OF CEMENTED CARBIDE
- IRON AND TITANIUM
- GREEN IN COLOR

C

- SILICON CARBIDE ABRASIVE
- IDEAL FOR GRAY IRON CASTINGS
- GOOD FOR NON-FERROUS MATERIAL
- GLASS, RUBBER, STONE
- BLACK IN COLOR

Zirconia Abrasive

The grain best suited for foundry-type wheels, where long life and aggressive cutting properties are required.

NZB

- TOUGH GRAIN
- QUICK-CUTTING
- LONG LIFE

NZBC

- MEDIUM TO HEAVY STOCK REMOVAL
- AGGRESSIVE GRINDING
- ZIRCONIA AND SILICON CARBIDE MIXTURE
- LONG LIFE
- USED FOR 12500 SFPM

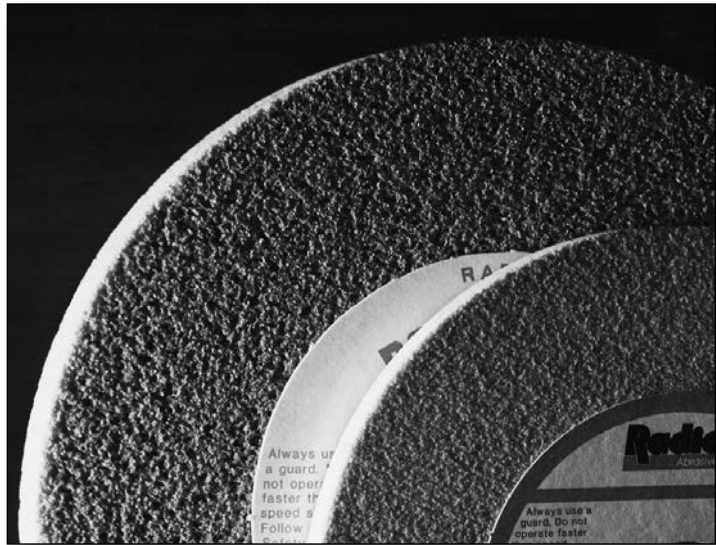
Aluminum Oxide/Silicon Carbide

CA

- RESIN BOND ONLY
- GOOD FOR ROUGH GRINDING
- FOR NON-FERROUS MATERIALS
- VERSATILE FOR SOFT/HARD MATERIALS
- MAIN USE IN FOUNDRY APPLICATION

Grains for Vitrified Bonds

Radiac's extensive selection of abrasives for vitrified wheels deliver engineered versatility in grinding all types of material such as high speed steel, superalloys and hard to machine special materials, with superior metal removal, finish tolerances, and wheel life.



Grain Type Selection	Stock Removal Per Pass			
	.001 or Less	.001 to .002	.003 to .004	.005 or More
32A-Gray		■	■	
9A-White	■			
WA-White	■			
WRA-Ruby/White		■	■	
RA-Ruby				■
8A-Lavender	■	■		
RAA-Pink	■	■		
WAA-Brown/White				
97A-Brown/White				
A-Bluish Gray				
GC-Green		■	■	
Ceramic				■

The great variety of grinding tasks has led to the large offering of abrasive grains. Their properties and performance are critical to efficient grinding.

Grain Type	T.27/28		Steel		Iron	Non-Ferrous
	Premium	Gen. Pur.	Premium	Gen. Pur.		
YNB	■					
YB			■			
CA					■	
A		■		■		
C						■

Grains for Resin Bonds

Radiac's complete line of resin abrasives for reinforced and non-reinforced wheels, includes a wide variety of grain types in the Silicon Carbide, Aluminum Oxide, and Zirconia families. These grains provide the best stock removal and performance possible today.

Average Grain	Particle Size	Radius	Finish RMS	Finish Tolerances:	Finish
46	.020	over .020	over 32	.002	Commercial
54	.017	.017 - .020	20 - 32	.0008	Commercial
60	.016	.016 - .020	15 - 20	.0008	Smooth
80	.0105	.010 - .020	12 - 18	.0008	Fine
100	.0085	.008 - .010	10 - 15	.0002	Very Fine
120	.0056	.005 - .008	8 - 12	.0002	Extra Fine
150	.0048	.004 - .006	6 - 10	.0001	Mirror Finish
220	.0026	.003 - .005	5 - 6	.0001	Mirror Finish

Grain Size

The wide range of abrasive grain, coarse, medium, fine and very fine, are important for stock removal. This determines the quality and economy of most grinding operations.

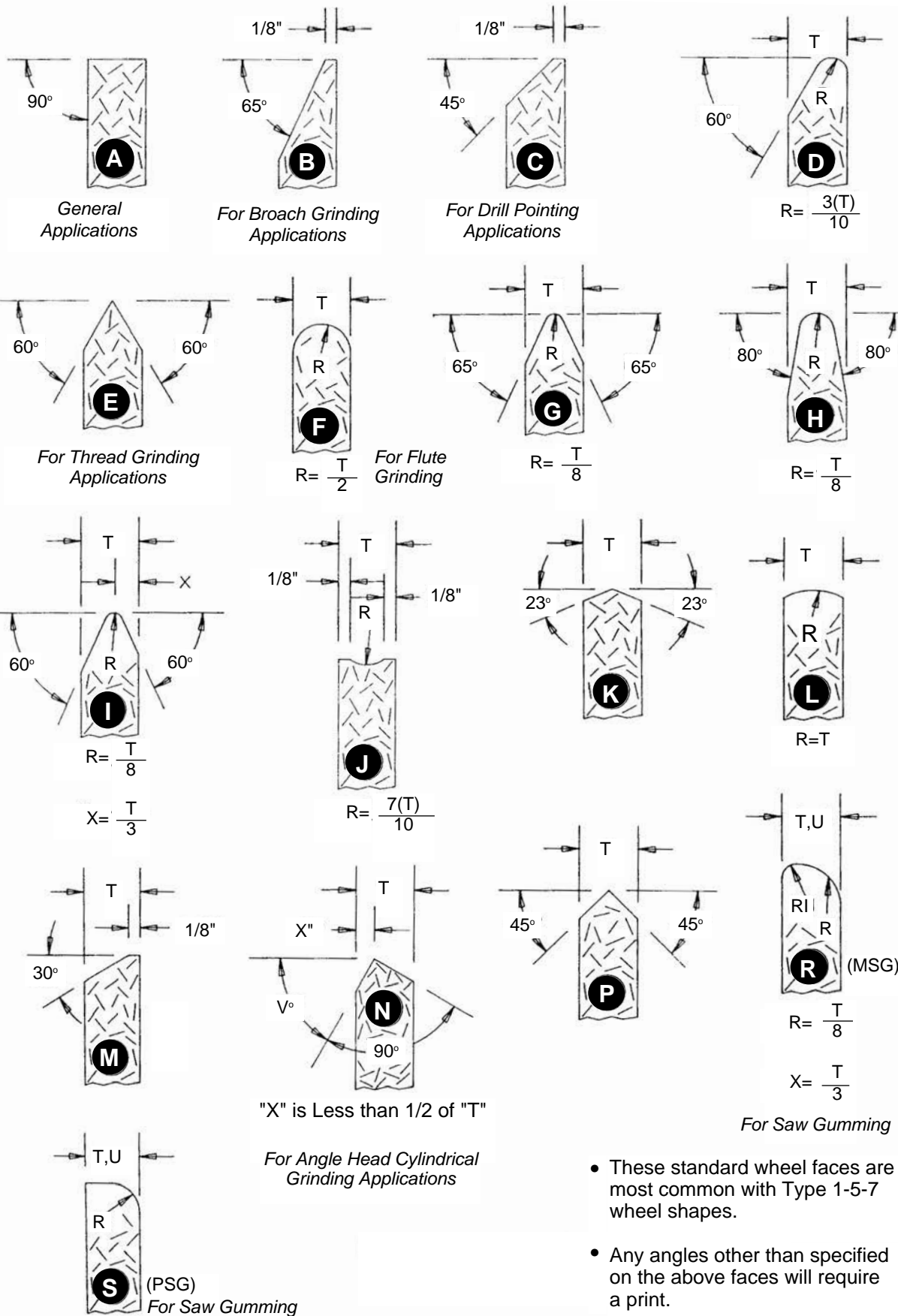
Wheel Grade	<42Rc	42-50Rc	50-57Rc	>57Rc
G				■
H				■
I			■	
J		■		
K	■			

Vitrified Bond Hardness Selection

Wheel hardness is dependent on the holding power of the bond, the hardness of the material, rate of stock removal and finish required.

Grade Hardness	
If you need:	Change Grade by:
Cooler or Freer Cutting Action	1 or 2 letter grades softer
Longer Life	1 or 2 letter grades harder

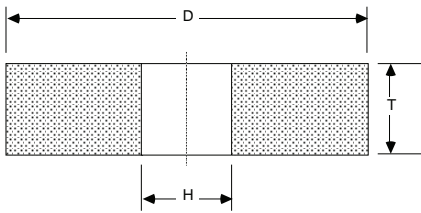
STANDARD WHEEL FACES



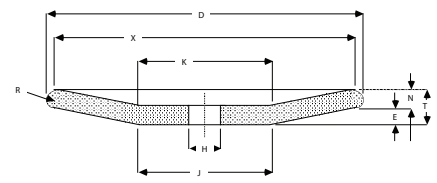
- These standard wheel faces are most common with Type 1-5-7 wheel shapes.
- Any angles other than specified on the above faces will require a print.

STANDARD WHEEL SHAPES

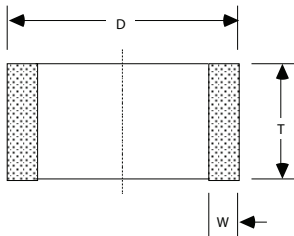
Grinding wheels are available in a wide range of shapes. The wheel shapes are accepted standards from ANSI B74.2. For most applications, the correct wheel shape can be selected from these standard configurations.



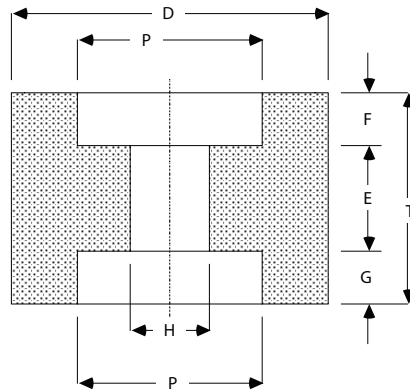
Type 1, Straight



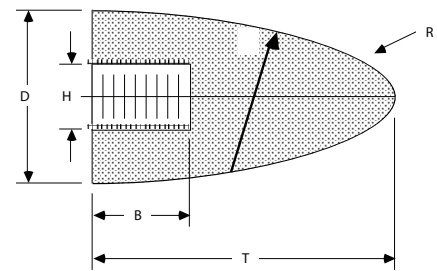
Type 13, Saucer



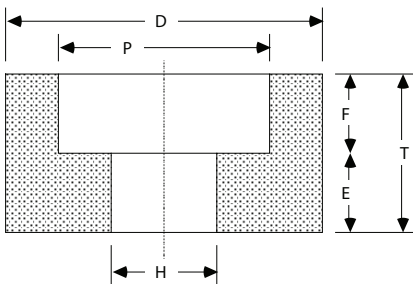
Type 2, Cylinder



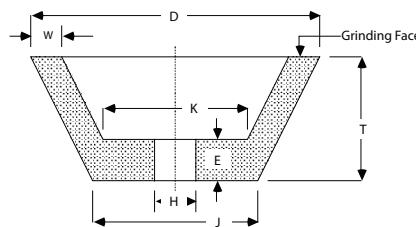
Type 7, Recessed 2 sides



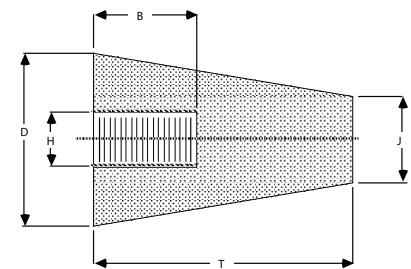
Type 16, Cone



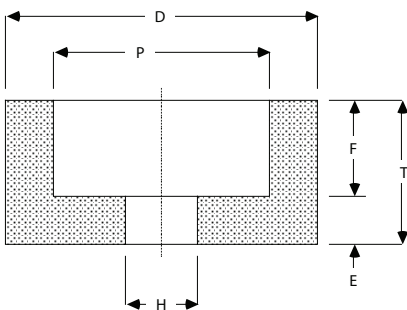
Type 5, Recessed 1 side



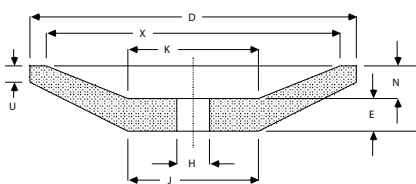
Type 11, Flaring Cup



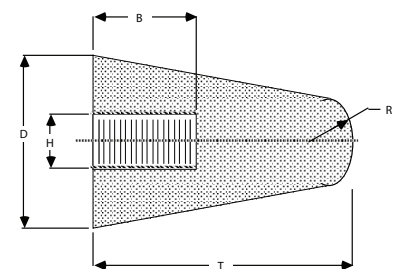
Type 17, Cone



Type 6, Straight Cup

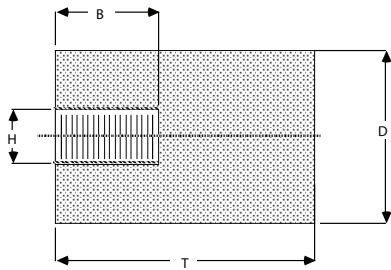


Type 12, Dish

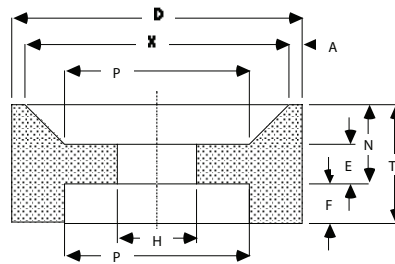


Type 17R Cone

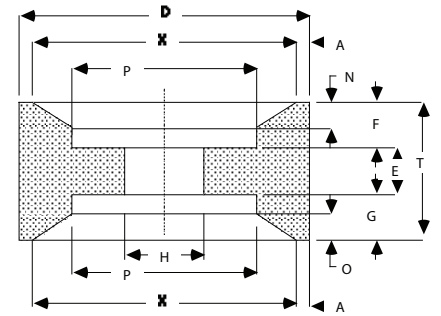
STANDARD WHEEL SHAPES



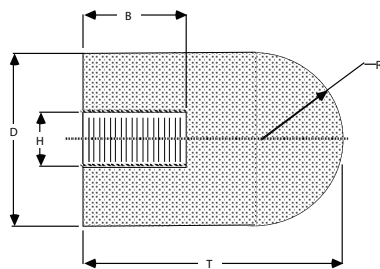
Type 18, Plug, Square



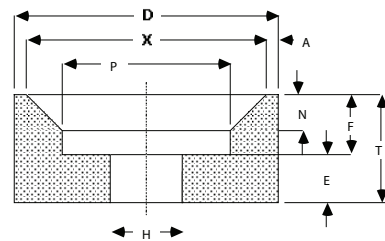
**Type 22, Relieved 1 side,
Recessed other side**



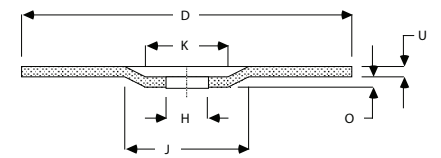
**Type 26,
Relieved and Recessed 2 sides**



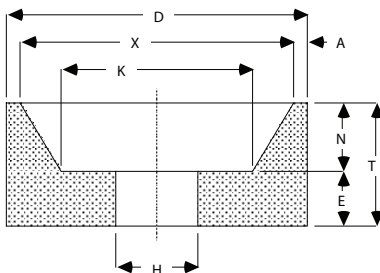
Type 18R Plug, Round



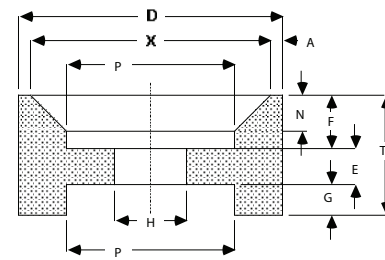
**Type 23,
Relieved and Recessed 1 side**



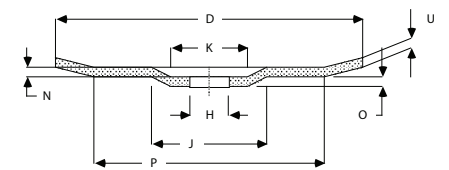
Type 27, Raised Hub Disc Wheel



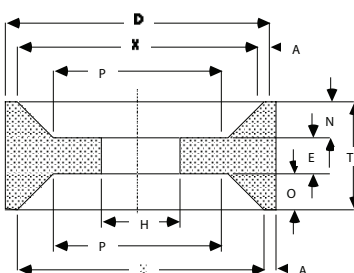
Type 20, Relieved 1 side



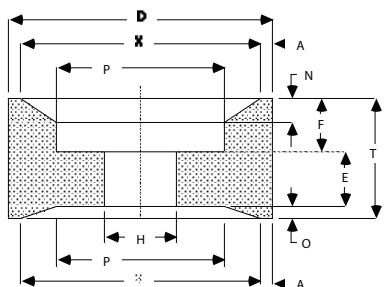
**Type 24, Relieved 1 side,
Recessed 2 sides**



Type 28, Raised Hub Dish Wheel

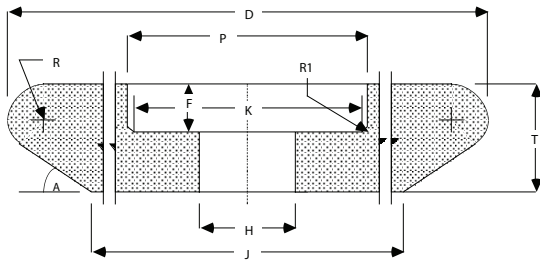


Type 21, Relieved 2 sides



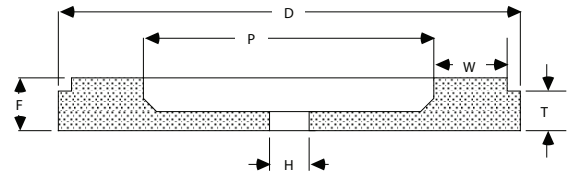
**Type 25, Relieved 2 sides,
Recessed 1 side**

Type 5 Can-Car Chip N Saw Grinder



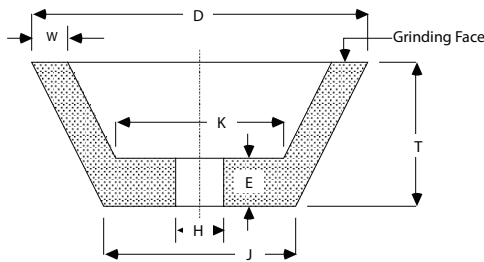
B/P No.	D	T	H	J	R	R1	K	P	F	A
26311	12	2	1-3/4	9-1/16	5/8	3/16	4-1/2	4-7/8	1	35°

Type 99 Black Diamond Drill Grinder



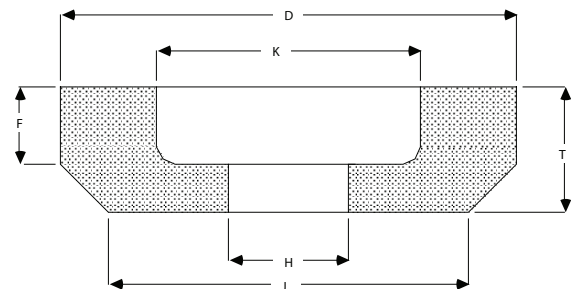
B/P No.	D	T	H	W	P	E	F
2232	7	7/8	1/2	13/16	4-15/16	3/8	1/2

Type 11 Flaring Cup Wheels



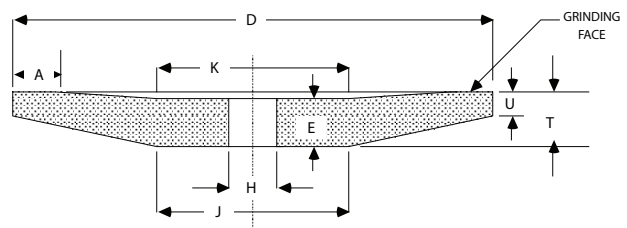
B/P No.	D	T	H	W	E	J	K
2009	3	1-1/4	-	1/4	3/8	2-1/4	1-5/8
1958	3-1/2	1-1/2	-	1/4	3/8	2-3/4	2-1/4
2012	4	1-1/2	-	1/4	1/2	3	2-5/8
D1534	4	1-1/2	-	1/4	1/2	3	2-5/8
2696	4-1/2	1	5/8SQ	1/2	1/2	2	2
2013	4-1/2	1	-	1/4	1/2	3-3/4	3-1/8
2014	5	1-3/4	-	1/4	1/2	3-3/4	3-1/8
D1536	5	1-3/4	-	1/4	1/2	3-3/4	3-1/8
2015	6	2	-	3/8	1/2	4-1/2	3-3/4
26876	6	2	1-1/4	1/2	1/2	3	2-3/4
13173	6	2-1/2	-	1/2	3/4	3-3/4	3-1/2
16074	7	1-1/2	3/4	1	5/8	2-7/8	2-1/2
12893	8	1-3/4	-	3/4	3/4	3-1/4	3-1/2

Type 6 Select-O-Point Drill Grinder



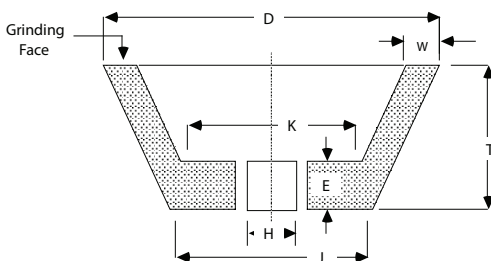
B/P No.	D	T	H	W	K	J	E	F
23519	5-7/8	1-1/2	50mm	1-11/32	3-3/16	5	1/2	1-1/8

Type 12 Dish Wheels



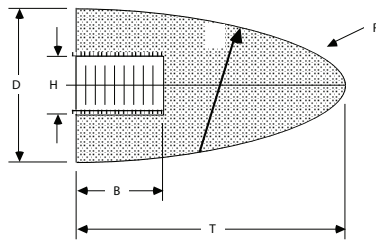
B/P No.	D	T	H	E	J	K	U	A
2002	4	1/2	-	5/16	2	2	3/323/16	
2005	6	1/2	-	5/16	3	3	1/8 3/8	
2006	6	3/4	-	3/8	3	3	1/8 3/8	
D1545	6	3/4	-	3/8	3	3	1/8 3/8	
1921	6-1/2	1-1/2	1	3/4	2-1/2	3-3/32	1/16.656	
2628	7	3/4	-	7/16	3-1/2	3-1/2	1/87/16	
D3343	7	3/4	-	7/16	3-1/2	3-1/2	1/87/16	
28634	10	1	1-1/4	11/16	6-1/4	3-5/8	1/8 2	

Type 11 Flaring Cup Wheels



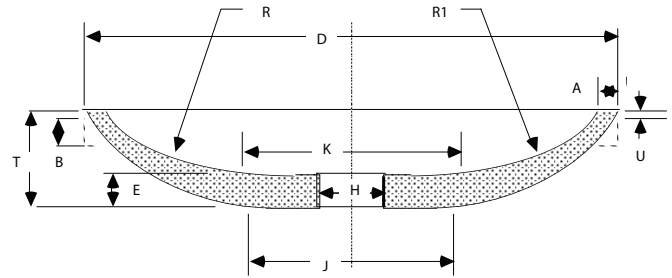
B/P No.	D	T	H	W	E	J
15521	4	2	5/8-11	1	3/4	3
14183	6	2	5/8-11	1-1/2	3/4	4-3/4

Type 16 Cones



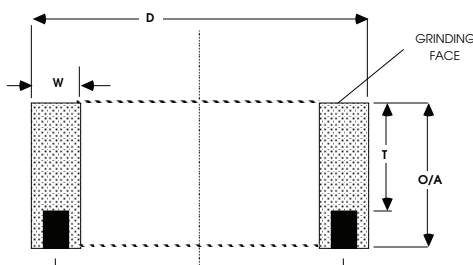
B/P No.	D	T	H	B	R	R1
21466	1-1/2	2-1/2	5/8-11	1	5/16	6-1/8
1896	2-3/4	3-1/2	5/8-11	1	5/8	6-3/8

Type 99 Yates American Saw Grinder



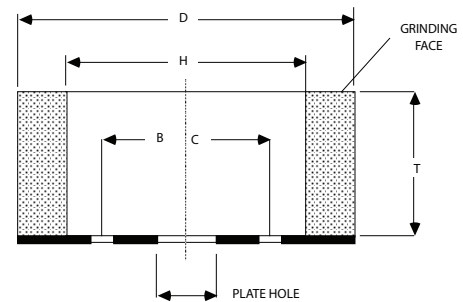
B/P No.	D	T	E	J	K	U	A	B	R	R1
1466	8	1-9/16	-	3	4-15/16	1/16	7/16	3/8	4-3/4	4-1/2

Type 52 Nut Inserted Cylinders



B/P No.	D	T	W	O/A	B.C.	Holes	TH-D
23818	8	1-1/2	1-3/4	1-7/8	6-1/4	4	3/8 - 16
2195	10	3	1	3-3/8	9	8	1/4 - 20
2554	10	4	1	4-3/8	9	8	1/4 - 20
2077	14	4	1-1/4	4-3/8	12-3/4	8	3/8 - 16

Type 53 Plate Mounted Wheel



B/P No.	D	T	H	PLATE HOLE	B.C.	BOLT HOLES	BOLT HOLE DIA.	BOLT HOLE SHAPE
16434	5	1	3-1/2	1-3/8	2-1/4	4	9/32	C/Bore
16423	6	1	4	1-1/4	3-1/4	4	25/64	Straight
17070	6	1-1/2	4	1-1/4	3-1/4	4	25/64	Straight
16428	7	1-1/2	5	1-3/4	3-1/4	4	9/32	Straight
16436	8	2	5-1/2	3-1/8	3-13/16	4	25/64	C/Bore
16430	9	2	5	2	4	6	17/64	C/Sunk
D1517	9	2	5	2	4	6	17/64	C/Sunk
2671	10	2	7	2	3-1/2	6	25/64	Straight
2671	10	2	7	2	5-1/2	6	21/64	C/Sunk
21878	10	2	7-1/2	3-3/4	5	4	25/64	C/Bore
16421	14	4	11	1-1/4	8	4	9/16	Straight

ROCKWELL HARDNESS

1-800-851-1095

Rockwell C-Scale Hardness No. †¹	Diamond Pyramid Hardness No., Vickers	Brinnell Hardness No. 10-mm Ball, 3000-kg Load			Rockwell Hardness No. †¹			Rockwell, Superficial Hardness No., Superficial Brale Penetrator			Shore Scleroscope Hardness No.
		Standard Ball	Hultgren Ball	Tungsten Carbide Ball	A-Scale 60-kg Load, Brale Penetrator	B-Scale 100-kg Load, 1/16 in. Dia. Ball	D-Scale 100-kg Load, Brale Penetrator	15-N Scale, 15-kg Load	30-N Scale, 30-kg Load	45-N Scale, 45-kg Load	
68	940	—	—	—	85.6	—	76.9	93.2	84.4	75.4	97
67	900	—	—	—	85.0	—	76.1	92.9	83.6	74.2	95
66	865	—	—	—	84.5	—	75.4	92.5	82.8	73.3	92
65	832	—	—	739	83.9	—	74.5	92.2	81.9	72.0	91
64	800	—	—	722	83.4	—	73.8	91.8	81.1	71.0	88
63	772	—	—	705	82.8	—	73.0	91.4	80.1	69.9	87
62	746	—	—	688	82.3	—	72.2	91.1	79.3	68.8	85
61	720	—	—	670	81.8	—	71.5	90.7	78.4	67.7	83
60	697	—	613	654	81.2	—	70.7	90.2	77.5	66.6	81
59	674	—	559	634	80.7	—	69.9	89.8	76.6	65.5	80
58	653	—	587	615	80.1	—	69.2	89.3	75.7	64.3	78
57	633	—	575	595	79.6	—	68.5	88.9	74.8	63.2	76
56	613	—	561	577	79.0	—	67.7	88.3	73.9	62.0	75
55	595	—	546	560	78.5	—	66.9	87.9	73.0	60.9	74
54	577	—	534	543	78.0	—	66.1	87.4	72.0	59.8	72
53	560	—	519	525	77.4	—	65.4	86.9	71.2	58.6	71
52	544	500	508	512	76.8	—	64.6	86.4	70.2	57.4	69
51	528	487	494	496	76.3	—	63.8	85.9	69.4	56.1	68
50	513	475	481	481	75.9	—	63.1	85.5	68.5	55.0	67
49	498	464	469	469	75.2	—	62.1	85.0	67.6	53.8	66
48	484	451	455	455	74.7	—	61.4	84.5	66.7	52.5	64
47	471	442	443	443	74.1	—	60.8	83.9	65.8	51.4	63
46	458	432	432	432	73.6	—	60.0	83.5	64.8	50.3	62
45	446	421	421	421	73.1	—	59.2	83.0	64.0	49.0	60
44	434	409	409	409	72.5	—	58.5	82.5	63.1	47.8	58
43	423	400	400	400	72.0	—	57.7	82.0	62.2	46.7	57
42	412	390	390	390	71.5	—	56.9	81.5	61.3	45.5	56
41	402	381	381	381	70.9	—	56.2	80.9	60.4	44.3	55
40	392	371	371	371	70.4	—	55.4	80.4	59.5	43.1	54
39	382	362	362	362	69.9	—	54.6	79.9	58.6	41.9	52
38	372	353	353	353	69.4	—	53.8	79.4	57.7	40.8	51
37	363	344	344	344	68.9	—	53.1	78.8	56.8	39.6	50
36	354	336	336	336	68.4	(109.0)	52.3	78.3	55.9	38.4	49
35	345	327	327	327	67.9	(108.5)	51.5	77.7	55.0	37.2	48
34	336	319	319	319	67.4	(108.0)	50.8	77.2	54.2	36.1	47
33	327	311	311	311	66.8	(107.5)	50.0	76.6	53.3	34.9	46
32	318	301	301	301	66.3	(107.0)	49.2	76.1	52.1	33.7	44
31	310	294	294	294	65.8	(106.0)	48.4	75.6	51.3	32.5	43
30	302	286	286	286	65.3	(105.5)	47.7	75.0	50.4	31.3	42
29	294	279	279	279	64.7	(104.5)	47.0	74.5	49.5	30.1	41
28	286	271	271	271	64.3	(104.0)	46.1	73.9	48.6	28.9	41
27	279	264	264	264	63.8	(103.0)	45.2	73.3	47.7	27.8	40
26	272	258	258	258	63.3	(102.5)	44.6	72.8	46.8	26.7	38
25	266	253	253	253	62.8	(101.5)	43.8	72.2	45.9	25.5	38
24	260	247	247	247	62.4	(101.0)	43.1	71.6	45.0	24.3	37
23	254	243	243	243	62.0	100.0	42.1	71.0	44.0	23.1	36
22	248	237	237	237	61.5	99.0	41.6	70.5	43.2	22.0	35
21	243	231	231	231	61.0	98.5	40.9	69.9	42.3	20.7	35
20	238	226	226	226	60.5	97.8	40.1	69.4	41.5	19.6	34
(18)	230	219	219	219	—	96.7	—	—	—	—	33
(16)	222	212	212	212	—	95.5	—	—	—	—	32
(14)	213	203	203	203	—	93.9	—	—	—	—	31
(12)	204	194	194	194	—	92.3	—	—	—	—	29
(10)	196	187	187	187	—	90.7	—	—	—	—	28
(8)	188	179	179	179	—	89.5	—	—	—	—	27
(6)	180	171	171	171	—	87.1	—	—	—	—	26
(4)	173	165	165	165	—	85.5	—	—	—	—	25
(2)	166	158	158	158	—	83.5	—	—	—	—	24
(0)	160	152	152	152	—	81.7	—	—	—	—	24

†¹ Values in parentheses are beyond normal range and are given for information only.

CONVERSION CHARTS**Abrasive Grain Conversions**

RADIAC	CINCINNATI - TYROLIT	TYROLIT - AUSTRIA	PACIFIC	BATES	NATIONAL	NORTON	CAMEL	WINTERHUR
32A			32A	R		32A		
7BP	3PB	706A				5SG	AS3	
7BW	3MSB	454A	5A,9F	6B		5SG		93A
8A	4A		56A	D	BA	86A		
8BP	2PB					5SG,32AA		
8BW	2MSB		3A,9D	4B		5SG,32AA		92A
9BP	1PB					1SG,3SG		
9BW	1MSB		1A,9B	2B		1SG,3SG		90A
A	2A	10A	35A		A,PA	57A,A	94A,A	A
BC	7C	50C	77C		RC	74C		
C	6C	1C	75C	C	C	37C	72C,73C,C	C
CA	R5A		70A	CA		AC		
GC	5C	C	80C		GC	39C	GC	11C
NZB	Z5A		41Z	NA		4NZ	ZA	
NZBC			41ZC	NAC		NZC		
RA		91A	53A	X		48A	RA	68A
RAA	12A	88A	49A	P	WA	25A	PA	57A
WA (9A)	9A	89A	50A	SA	SA	38A	AZ,83A,A	
42A,49A, 53A,57A								
WAA (97A)	HA	50A	42A	MA	MA	23A,53A,64A	91A,DA	
XL (4A)		52A	47A		HA	57A		
YB	15A		21A	ZA		4ZF		
YD			22A			5ZF		
22A					23A,53A,64A	91A,DA		
29A					23A,53A,64A	91A,DA		

* Appears more than once.

Vitrified Bonds

RADIAC V8 / V1	Bay State Carborundum Cincinnati	V22, V62*, V52, V56, V76, VH2**, VA2 V10, V40* VQC, VRW, VFM, VL*, V5*, V6*, V7*, V20*	Norton	VBE*, VA, VBA, VCN, VJN, VS, VSB**, VTN, VT, VSM*, V127, V128**
RADIAC VOS / VOSX	Bay State Carborundum Cincinnati	V62* V40* VL*	Norton	VSM*, VBEP* VSP
RADIAC VEQ (32A Only)	Bay State Carborundum Cincinnati	-- -- --	Norton	VBE*, VBEP*
RADIAC V28	Bay State Carborundum Cincinnati	V72, V82 V, V30, V60 V5*, V6*, V7*, V20*	Norton	V, VM
RADIAC VA3	Bay State Carborundum Cincinnati	-- -- --	Norton	VG
RADIAC V4/VL	Bay State Carborundum Cincinnati	VC2, V32, VR2 VR VSC	Norton	VK

Shellac Bonds			Treatment Codes			
RADIAC ES	Bay State Carborundum Cincinnati Norton	EC2 EA, EAE -- E, E3, E6, E7, E9, E12	MANUFACTURER RADIAC Bay State Carborundum Cincinnati Norton	WAX P #4, #5 YA D, S #12	SULFUR S, SF #10 YT B, D2 #22	RESIN K #11 YP R, X #3, #X110

Reinforced Resin Bonds					
RADIAC B(F)	Bay State Carborundum Cincinnati Norton	BF2, BFK, BTH, BTK, RFR -- -- BDA	RADIAC B20F8	Bay State Carborundum Cincinnati Norton	BG2 BFCW, BFC, BFX2 BF9 BN, BNA, BNA2, B25N, B30N, B65N
RADIAC B10F	Bay State Carborundum Cincinnati Norton	BFD, BR2 -- -- BRA	RADIAC ***	Bay State Carborundum Cincinnati Norton	-- -- -- BN, BNC, B65N, B65B
RADIAC B20F1	Bay State Carborundum Cincinnati Norton	BF2 BFX5 -- B25B, B65B	RADIAC BFX / BTX	Bay State Carborundum Cincinnati Norton	FA2, FP2, BZ2 -- -- BBFRR, BFR

* Appears more than once.
** Vitrified high speed bond.

Non-Reinforced Resin Bonds					
RADIAC B10	Bay State Carborundum Cincinnati Norton	BA2, BC2, BD2* B53 B2, BB B, B2, B5, BH*	RADIAC B15	Bay State Carborundum Cincinnati Norton	BS2 -- -- --
RADIAC B20	Bay State Carborundum Cincinnati Norton	BJ2, BP2 B5S2, B55W BF9 B25, B65W	RADIAC ZBN	Bay State Carborundum Cincinnati Norton	-- -- B8* --
RADIAC B51	Bay State Carborundum Cincinnati Norton	BD2* -- B80* Snagging B7, BX2348	RADIAC ***	Bay State Carborundum Cincinnati Norton	-- -- B8* B65W, BZZ
RADIAC RB8	Bay State Carborundum Cincinnati Norton	BEN* B8 -- B17* Roll Grinding	RADIAC ES	Bay State Carborundum Cincinnati Norton	-- -- -- B4
RADIAC RB9	Bay State Carborundum Cincinnati Norton	BEN* -- B80* Centerless B24, B17* Centerless	RADIAC B60	Bay State Carborundum Cincinnati Norton	-- -- -- B14
RADIAC BFM2	Bay State Carborundum Cincinnati Norton	BQ2, BT2 -- -- BH*	RADIAC B36	Bay State Carborundum Cincinnati Norton	-- -- -- B15

REINFORCEMENT CODES

CODE	REINFORCING DESCRIPTION	
F	Full	Internal Only, Over 1/2" Thick
F0	Flange	1-Full Diameter Inside 2-Short (50%) Diameter Outside
F1	Full	1- Full Diameter
F2	Full	1-Full Diameter Inside 2-Full Diameter Outside
F6	Flange	2-Full Diameter Inside 2-Short (50%) Diameter outside
F8	Full	2-Full Diameter Outside
F10	Zone	2-Short (50%) Diameter Outside
Limited To Wheels Less Than 1/2" Thick		

Reinforcement Codes:**A46-P5-B10F8**

The majority of cut-off and snagging wheels are made with fiberglass reinforcement. This is to add strength to the product to resist breakage due to uneven pressures or severe bending or side pressure. As shown on the chart, the fiberglass can be internal, external or a combination of both. Wheels can also be ordered with 50% reinforcement to add strength in the flange area. On any operation where the work piece may not be securely clamped, reinforcement wheels should be used.

* Appears more than once

*** Contact application engineering for conversion

WHEEL SAFETY: The following safety information is based in part on material contained in the ANSI B7.1 Safety Requirements for the "Use, Care and Protection of Abrasive Wheels". It is recommended that all personnel involved with grinding wheels become familiar with ANSI B7.1.

PROPER USE OF GRINDING WHEELS

Given the correct wheel, in accordance with approved procedure, safe operation depends largely on the treatment to which the wheel is subject during use.

DO:

- Ensure that guards and work rests are properly adjusted and secure before starting machine.
- Always use safety guard covering at least one-half the grinding wheel.
- Allow a newly mounted wheel to run at operating speed with guard in place at least one minute before starting to dress or grind.
- Always wear protective glasses or some type of eye protection when grinding.
- Always dress or make grinding contact gently.
- Re-dress the wheel when necessary.
- Turn off the coolant before stopping the wheel to avoid creating an out of balance condition.

DO NOT:

- Ever exceed the maximum operating speed established for the wheel.
- Start the machine until the guard is in place.
- Stand directly in front of the wheel when the machine is started.
- Jam the work into the wheel, nor use excessive pressure or infeed.
- Force grinding so that the motor slows noticeably or the work gets hot.
- Grind on the side of the wheel (see ANSI B7.1 for exception).
- Allow stationary wheels to rest in fluids.
- Apply pressure to wheels to stop them.
- Continuously use glazed wheels without dressing.
- Use wheels for purposes other than those for which they are designed.

RECEIPT

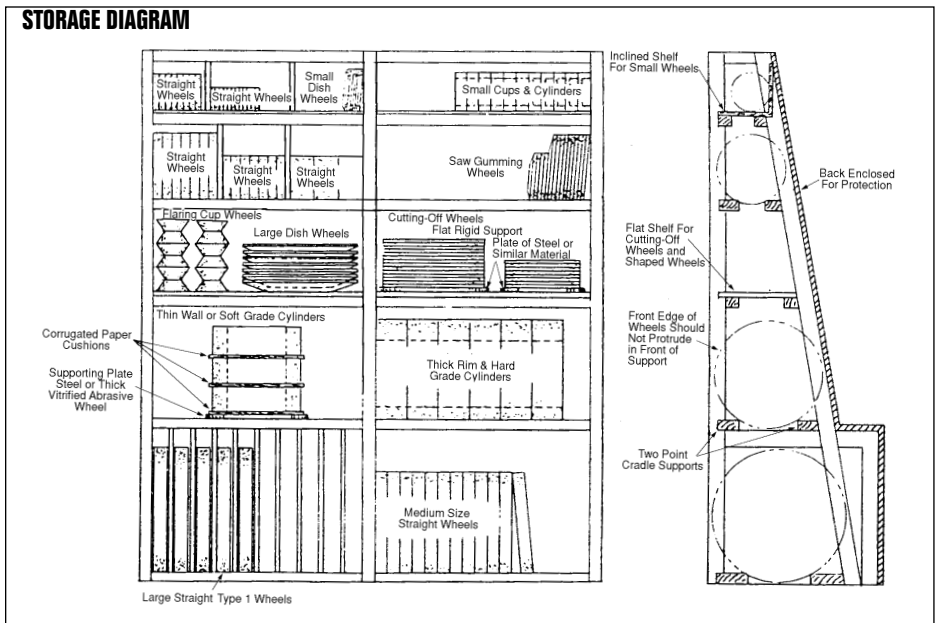
- On receipt, grinding wheels should be examined to see if they show any signs of damage, such as chips, cracks or discoloration. Damaged wheels must not be used.

HANDLING

- All grinding wheels can be damaged by any mishandling that results in the wheel being subjected to any shock loading. This can occur due to the product being inadvertently dropped, knocked over or banged against any other object. This is equally true if the wheel is secured on a pallet which has been dropped heavily from a fork lift truck.
- Any grinding wheel subjected to such mishandling should be carefully examined for signs of damage such as chips, cracks or discoloration. If in doubt - do not use.

WHEEL HANDLING

- Only a trained person should mount a grinding wheel.
- A wheel should only be mounted on the machine for which it was intended.
- All grinding wheels should be closely inspected before mounting to ensure that they have not been damaged while in storage or transit.
- The ring test should be carried out only in a place where the tone of the ring can be easily heard.
- The speed of the spindle on which the wheel is mounted should not, under any circumstances, exceed the maximum speed specified for the wheel.
- Bushings should not project beyond the side of the wheel and the wheel blotter when used. The wheel should fit freely, but not loosely, on the spindle.
- Wheels, blotters and flanges should be free from foreign matter.



This drawing illustrates a rack design which is suitable for handling a wide variety of abrasive wheels.

STORAGE

- Do not subject wheels to humidity, water or other liquids, freezing temperatures or sudden temperature change.
- Small wheels up to 4" diameter, together with cones, plugs, mounted points and wheels may be stored in suitable bins, drawers or boxes.
- Type 2 cylinder wheels, type 6 straight cup wheels, type 12 dish wheels and type 13 saucer wheels should normally be stacked on flat sides with cushioning material between them.
- Thick rim and hard grade cylinder and straight cup wheels may be stored on the periphery.
- Soft grade, straight cup wheels, and all type 11 taper cup wheels, should be stored base to base and rim to rim to prevent chipping of edges and cracking of walls.
- Thin plain wheels, such as cutting off wheels or saw sharpening wheels should be stacked on a flat surface of steel, or similar rigid material.
- Other plain or shaped wheels of appreciable thickness are best supported on their periphery in racks. The racks should provide cushioned, two point, cradle support to prevent the wheels from rolling.

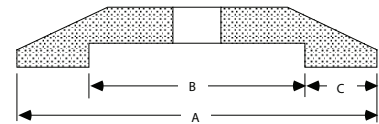
RED CENTER REDUCING BUSHINGS RECOMMENDED USE

WHEEL DIAMETER	WHEEL THICKNESS	RED CENTER REDUCING BUSHINGS INSIDE DIMENSION(I.D.)
TYPE 1 STRAIGHT WHEELS, TYPE 12 DISH WHEELS, TYPE 13 SAUCER WHEELS		
6"	1/4" to 1-1/2" Incl.	1", 15/16", 7/8", 3/4", 5/8", 1/2"
6"	over 1-1/2" to 2" incl.	1", 15/16", 7/8", 3/4", 5/8"
7"	1/4" to 1" incl.	1", 15/16", 7/8", 3/4", 5/8", 1/2"
7"	over 1" to 2" incl.	1", 15/16", 7/8", 3/4", 5/8"
8"	1/4" to 5/8" incl.	1", 15/16", 7/8", 3/4", 5/8", 1/2"
8"	over 5/8" to 1-3/4" incl.	1", 15/16", 7/8", 3/4", 5/8"
8"	over 1-3/4" to 2" incl.	1", 15/16", 7/8", 3/4"
10"	1/4" to 5/8" incl.	1", 15/16", 7/8", 3/4", 5/8"
10"	over 5/8" to 2" incl.	1", 15/16", 7/8", 3/4"
12"	1/4" to 1-1/4" incl.	1", 15/16"
12"	over 1-1/4" to 2-1/2" incl.	1", 15/16"
14"	1/4" to 5/8" incl.	1", 15/16", 7/8", 3/4"
14"	over 5/8" to 2-1/4" incl.	1", 15/16"
TYPE 6 STRAIGHT CUP WHEELS		
4"	up to 2" incl.	1", 7/8", 3/4", 5/8", 1/2"
5"	up to 2" incl.	1", 7/8", 3/4", 5/8", 1/2"
6"	over 1-1/2" incl.	1", 7/8", 3/4", 5/8", 1/2"
6"	over 1-1/2" to 2" incl.	1", 7/8", 3/4", 5/8"
TYPE 11 FLARING CUP WHEELS		
3-1/2" (overall)	up to 2" incl.	1", 7/8", 3/4", 5/8", 1/2"
4" (overall)	up to 2" incl.	1", 7/8", 3/4", 5/8", 1/2"
4-1/2" (overall)	up to 2" incl.	1", 7/8", 3/4", 5/8", 1/2"
5" (overall)	up to 2" incl.	1", 7/8", 3/4", 5/8", 1/2"
6" (overall)	up to 1-1/2" incl.	1", 7/8", 3/4", 5/8", 1/2"
6" (overall)	over 1-1/2" to 2" incl.	1", 7/8", 3/4", 5/8"

Reducing Bushings

Radiac has a variety of reducing bushings ranging from 1/2" to 1" internal diameter. The bushings have an outside diameter of 1-1/4" to accommodate most tool room applications.

Vitrified wheels as thin as 1/4" may be bushed. Resin products may be bushed on wheels down to 3/32" thick. Resin wheels 1/8" and under must have a metal bushing in the arbor to accommodate the reducing bushings. In all cases, machine flanges must extend beyond the diameter of the bushing and bear on the sides of the wheel.



Flanges

For safety reasons, it is important that the grinding wheel flanges bear on the sides of the grinding wheel and not on the bushing(s). Refer to your American National Standard ANSI-B7.1-1988, Section 5 regarding safety standard requirements for flanges.

Wheel Speed Conversion Chart

Dia- meter of Wheel in Inches	Surface Speed in Feet Per Minute																	Dia- meter of Wheel in Inches		
	4,000	4,500	5,000	5,500	6,000	6,500	7,000	7,500	8,000	8,500	9,000	9,500	10,000	12,000	12,500	14,200	16,000		16,500	17,000
	Revolutions per Minute			Revolutions per Minute			Revolutions per Minute			Revolutions per Minute			Revolutions per Minute							
1	15,279	17,189	19,098	21,008	22,918	24,828	26,737	28,647	30,558	32,467	34,377	36,287	38,196	45,836	47,745	54,240	61,116	63,025	64,935	2
2	7,639	8,594	9,549	10,504	11,459	12,414	13,368	14,328	15,278	16,238	17,188	18,143	19,098	22,918	23,875	27,120	30,558	31,510	32,465	3
3	5,093	5,729	6,366	7,003	7,639	8,276	8,913	9,549	10,186	10,822	11,459	12,096	12,732	15,278	15,915	18,080	20,372	21,010	21,645	4
4	3,820	4,297	4,775	5,252	5,729	6,207	6,685	7,162	7,640	8,116	8,595	9,072	9,549	11,459	11,940	13,560	15,278	15,755	16,235	5
5	3,056	3,438	3,820	4,202	4,584	4,966	5,348	5,730	6,112	6,494	6,876	7,258	7,640	9,168	9,550	10,850	12,224	12,605	12,985	6
6	2,546	2,865	3,183	3,501	3,820	4,138	4,456	4,775	5,092	5,411	5,729	6,048	6,366	7,639	7,960	9,040	10,186	10,505	10,820	6
7	2,183	2,455	2,728	3,001	3,274	3,547	3,820	4,092	4,366	4,638	4,911	5,183	5,456	6,546	6,820	7,750	8,732	9,005	9,275	7
8	1,910	2,148	2,387	2,626	2,865	3,103	3,342	3,580	3,820	4,058	4,297	4,535	4,775	5,729	5,970	6,780	7,640	7,880	8,115	8
9	1,698	1,910	2,122	2,334	2,546	2,758	2,970	3,182	3,396	3,606	3,820	4,032	4,244	5,092	5,305	6,030	6,792	7,000	7,215	9
10	1,528	1,719	1,910	2,101	2,292	2,483	2,674	2,865	3,056	3,247	3,438	3,629	3,820	4,584	4,775	5,425	6,112	6,300	6,495	10
12	1,273	1,432	1,591	1,751	1,910	2,069	2,228	2,386	2,546	2,705	2,864	3,023	3,183	3,820	3,980	4,520	5,092	5,250	5,410	12
14	1,091	1,228	1,364	1,500	1,637	1,773	1,910	2,046	2,182	2,319	2,455	2,592	2,728	3,274	3,410	3,875	4,366	4,500	4,640	14
16	955	1,074	1,194	1,313	1,432	1,552	1,672	1,791	1,910	2,029	2,149	2,268	2,387	2,865	2,985	3,390	3,820	3,940	4,060	16
18	849	955	1,061	1,167	1,273	1,379	1,485	1,591	1,698	1,803	1,910	2,016	2,122	2,546	2,655	3,015	3,396	3,500	3,605	18
20	764	859	955	1,050	1,146	1,241	1,337	1,432	1,528	1,623	1,719	1,814	1,910	2,292	2,390	2,715	3,056	3,150	3,245	20
22	694	781	868	955	1,042	1,128	1,215	1,302	1,388	1,476	1,562	1,649	1,736	2,084	2,170	2,465	2,776	2,865	2,950	22
24	637	716	796	875	955	1,034	1,115	1,194	1,274	1,353	1,433	1,512	1,591	1,910	1,990	2,260	2,546	2,625	2,705	24
26	588	661	734	808	881	955	1,028	1,101	1,176	1,248	1,322	1,395	1,468	1,762	1,840	2,090	2,352	2,425	2,495	26
28	546	614	682	750	818	887	955	1,023	1,092	1,159	1,228	1,296	1,364	1,637	1,705	1,940	2,182	2,250	2,320	28
30	509	573	637	700	764	828	891	955	1,018	1,082	1,146	1,210	1,274	1,528	1,595	1,810	2,056	2,100	2,165	30
32	477	537	597	656	716	776	836	895	954	1,014	1,074	1,134	1,194	1,432	1,495	1,695	1,910	1,970	2,030	32
34	449	505	562	618	674	730	786	843	898	955	1,011	1,067	1,124	1,348	1,405	1,595	1,796	1,855	1,910	34
36	424	477	530	583	637	690	742	795	848	902	954	1,007	1,061	1,273	1,330	1,510	1,698	1,750	1,805	36
38	402	452	503	553	603	653	704	754	804	854	904	955	1,006	1,206	1,260	1,430	1,608	1,660	1,710	38
40	382	430	478	525	573	620	669	716	764	812	860	908	956	1,146	1,195	1,355	1,528	1,575	1,625	40
42	366	409	454	500	545	591	636	682	732	775	818	863	908	1,090	1,140	1,295	1,464	1,500	1,545	42
44	347	390	434	478	521	564	608	651	694	737	780	824	868	1,042	1,085	1,235	1,388	1,432	1,475	44
46	333	375	416	458	500	541	582	624	666	708	750	791	832	1,000	1,040	1,180	1,332	1,370	1,410	46
48	318	358	398	438	478	517	558	597	636	676	716	756	796	956	995	1,130	1,272	1,315	1,350	48
53	288	324	360	395	432	468	503	539	576	612	648	683	720	864	900	1,025	1,152	1,189	1,225	53
60	255	287	319	350	387	414	446	478	510	542	574	606	638	774	795	905	1,020	1,050	1,080	60
72	212	239	265	291	318	345	371	398	424	451	477	504	530	637	665	755	849	875	905	72

Revolutions per minute for various diameters of grinding wheels to give surface speed in feet per minute as indicated.

Note: "Centrifugal Force," which is the force that tends to rupture a given wheel when overspeeding, increases as the square of the velocity of that wheel. For example, the centrifugal force in a wheel running at 5,500 surface feet per minute is 49 percent greater than in the same wheel running at 4,500 surface feet per minute, although the speed is actually only 22 percent greater.

For intermediate diameters not listed use the formula listed in Section 1.2.1.0 page 3 of ANSI B7.1 (SFPM = .262 x wheel diam. in inches x r.p.m.) Note: SFPM ÷ 196.85 = M/S (meters per second).

For additional wheel safety information, please refer to inside back cover of catalog

GRINDING WHEELS 1/2" to 2" DIAMETER

1-800-851-1095

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
1/2 x 1/2 x 1/8	1/8 1/4 x 1/4	5	RAA60-K8-V8	64940	D299489	34078551	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 16 Rms Finish
	1/8 1/4 x 1/4	5	32A60-K5-VEQ	64940	D329653	34078569	Internal Grinding	Bearing & High Carbon Steels > 35 Rc - 16 Rms Finish
1/2 x 1/2 x 1/4		1	RAA60-K8-V8	64940	D299490	34078552	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 16 Rms Finish
5/8 x 1/2 x 1/4		1	32A60-K5-VEQ	51950	D329654	34078570	Internal Grinding	Bearing & High Carbon Steels > 35 Rc - 16 Rms Finish
3/4 x 3/4 x 1/4	1/8 3/8 x 3/8	5	RAA60-K8-V8	43295	D299495	34078553	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 16 Rms Finish
	1/8 3/8 x 3/8	5	RAA1002-K8-V8	43295	D299496	34078554	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 10 Rms Finish
	1/8 3/8 x 3/8	5	32A60-K5-VEQ	43295	D329656	34078571	Internal Grinding	Bearing & High Carbon Steels > 35 Rc - 16 Rms Finish
	1/8 3/8 x 3/8	5	32A80-K5-VEQ	43295	D329657	34078572	Internal Grinding	Bearing & High Carbon Steels > 35 Rc - 12 Rms Finish
3/4 x 1 x 1/4		1	RAA60-K8-V8	43295	D299497	34078555	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 16 Rms Finish
1 x .035 x 1/8		1	A60TB(F8)	61000	7315947	34079294	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
1 x 1/16 x 1/8		1	A60TB(F8)	61000	7315948	34079295	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
1 x 1/4 x 1/4		1	RAA60-K8-V8	32470	D299498	34078556	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 16 Rms Finish
1 x 3/4 x 1/4	1/8 1/2 x 3/8	5	RAA60-K8-V8	32470	D299499	34078557	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 16 Rms Finish
1 x 1 x 1/4	1/8 1/2 x 1/2	5	RAA60-K8-V8	32470	D299500	34078558	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 16 Rms Finish
	1/8 1/2 x 1/2	5	32A60-K5-VEQ	32470	D329659	34078574	Internal Grinding	Bearing & High Carbon Steels > 35 Rc - 16 Rms Finish
1 x 1 x 3/8		1	32A60-K5-VEQ	32470	D329658	34078573	Internal Grinding	Bearing & High Carbon Steels > 35 Rc - 16 Rms Finish
	1/8 1/2 x 1/2	5	RAA60-K8-V8	32470	D299502	34078559	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 16 Rms Finish
	1/8 1/2 x 1/2	5	32A60-K5-VEQ	32470	D324193	34078568	Internal Grinding	Bearing & High Carbon Steels > 35 Rc - 16 Rms Finish
1-1/4 x 1 x 3/8	1/8 5/8 x 1/2	5	32A60-K5-VEQ	25975	D329660	34078575	Internal Grinding	Bearing & High Carbon Steels > 35 Rc - 16 Rms Finish
	1/8 5/8 x 1/2	5	RA60-L5-V8	19865	F020575	34078585	Small Wheel	Hardened Steel - Good Finish
1-1/2 x .035 x 1/8		1	A60TB(F8)	45000	7315954	34079298	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
1-1/2 x 1/16 x 1/8		1	A36TB(F8)	45000	7315950	34079296	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
1-1/2 x 1/16 x 1/4		1	A36TB(F8)	45000	7315951	34079297	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
1-1/2 x 1/8 x 1/8		1	A60TB(F8)	45000	7315958	34079299	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
1-1/2 x 5/8 x 5/16		1	C24-Q5-VL	16555	A081264	34077965	Wheel Dresser	For Aluminum Oxide Wheels
1-1/2 x 1 x 3/8	1/8 5/8 x 1/2	5	RAA60-K8-V8	21650	D299503	34078560	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 16 Rms Finish
	1/8 3/4 x 1/2	5	32A60-K5-VEQ	21650	D329661	34078576	Internal Grinding	Bearing & High Carbon Steels > 35 Rc - 16 Rms Finish
1-1/2 x 3 x 3/8-24THD 1DP								
	B/P 29123	16	A24PB	24000	7316028	34079326	Snagging Cone	Steel Castings and Welds - Fast Cutting
2 x .035 x 1/4		1	A60TB(F8)	30000	7315968	34079304	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
2 x .035 x 3/8		1	A60TB(F8)	30000	7315969	34079305	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
2 x 1/16 x 1/4		1	A36TB(F8)	30000	7315960	34079300	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
		1	A60TB(F8)	30000	† 7315970	34079306	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
2 x 1/16 x 3/8		1	A36TB(F8)	30000	7315961	34079301	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
2 x 1/8 x 1/4		1	A36TB(F8)	30000	7315962	34079302	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
2 x 1/8 x 3/8		1	A46TB(F8)	30000	7315967	34079303	Reinforced Cut-Off	Hi-Speed Die Grinder - Smooth Finish, Hardened Sheet Steel
		1	A60TB(F8)	30000	7315973	34079307	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
2 x 1/4 x 1/4		1	A36TB(F8)	30000	7315909	34079282	Reinforced Cut-Off	Electric/Air Driven Die Grinder - Rapid Grinding, Exc. Finish
		1	WA80-K5-V8	12415	A329719	34078389	Tool & Cutter	Hardened Steel - Fine Finish
		1	RAA60-K8-V8	16235	D299504	34078561	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 16 Rms Finish
		1	RAA1002-K8-V8	16235	D299505	34078562	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 10 Rms Finish
2 x 3/8 x 3/8		1	A24TB(F8)	27000	† 7315914	34079283	Reinforced Cut-Off	Electric/Air Driven Die Grinder - Aggressive Grinding, Long Life
		1	A36TB(F8)	27000	7315915	34079284	Reinforced Cut-Off	Electric/Air Driven Die Grinder - Rapid Grinding, Exc. Finish
2 x 1/2 x 1/4		1	A36TB(F8)	27000	7315917	34079285	Reinforced Cut-Off	Electric/Air Driven Die Grinder - Rapid Grinding, Exc. Finish
2 x 1/2 x 3/8		1	A24TB(F8)	27000	7315918	34079286	Reinforced Cut-Off	Electric/Air Driven Die Grinder - Aggressive Grinding, Long Life
		1	A36TB(F8)	27000	7315919	34079287	Reinforced Cut-Off	Electric/Air Driven Die Grinder - Rapid Grinding, Exc. Finish
		1	RAA60-K8-V8	16235	D299506	34078563	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 16 Rms Finish
		1	32A60-K5-VEQ	16235	D329662	34078577	Internal Grinding	Bearing & High Carbon Steels > 35 Rc - 16 Rms Finish
2 x 1 x 3/8	1/8 1 x 1/2	5	RAA60-K8-V8	16235	D277704	34078550	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 16 Rms Finish

1-800-851-1095

2" to 3" DIAMETER GRINDING WHEELS

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
2 x 1 x 3/8 (Cont.)	1/S 1 x 1/2	5	RAA1002-K8-V8	16235	D299507	34078564	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 10 Rms Finish
	1/S 3/4 x 1/2	5	32A60-K5-VEQ	16235	D329663	34078578	Internal Grinding	Bearing & High Carbon Steels > 35 Rc - 16 Rms Finish
	1/S 7/8 x 1/2	5	32A60-K5-VEQ	16235	D329664	34078579	Internal Grinding	Bearing & High Carbon Steels > 35 Rc - 16 Rms Finish
2 x 1-1/2 x 5/8	1/S x 1 x 3/4	5	RAA60-K8-V8	16235	D299508	34078565	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 16 Rms Finish
2 x 3 x 5/8-11 1DP	B/P 29126	16	A24PB	18000	7316034	34079328	Snagging Cone	Steel Castings and Welds - Fast Cutting
		18	A24PB	18000	7316042	34079330	Snagging Plug	Steel Castings and Welds - Fast Cutting
2-1/2 x 1-1/2 x 3/8	1/S 1-1/4 x 3/4	5	RAA60-K8-V8	12990	D299510	34078566	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 16 Rms Finish
2-3/4 x 3-1/2 x 5/8-11THD-1DP								
	B/P 29127	16	A16PB	13200	7316035	34079329	Snagging Cone	Very Aggressive Grinding, Heavy Stock Removal
3 x .035 x 1/4		1	A60TB(F8)	25000	7316088	34079334	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
3 x .035 x 3/8		1	A60TB(F8)	25000	T316089	34079191	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
3 x 1/16 x 1/4		1	A36TB(F8)	20375	7315990	34079309	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
		1	A46TB(F8)	25000	7315994	34079313	Reinforced Cut-Off	Hi-Speed Die Grinder - Smooth Finish, Hardened Sheet Steel
3 x 1/16 x 3/8		1	A60TB(F8)	25000	7316090	34079335	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
		1	A36TB(F8)	25000	7315991	34079310	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
		1	A46TB(F8)	25000	7315995	34079314	Reinforced Cut-Off	Hi-Speed Die Grinder - Smooth Finish, Hardened Sheet Steel
		1	A60TB(F8)	20375	7316091	34079336	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
		1	HP-707	25100	T429309	34079201	Reinforced Cut-Off	High Performance - Long Life - Ceramic
		1	A36TB(F8)	25000	7315992	34079311	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
3 x 1/8 x 1/4		1	A60TB(F8)	25000	7316092	34079337	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
		1	A24TB(F8)	25000	7315989	34079308	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast, Aggressive Cutting, Long Life
3 x 1/8 x 3/8		1	A36TB(F8)	25000	7315993	34079312	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
		1	A46TB(F8)	25000	7316087	34079333	Reinforced Cut-Off	Hi-Speed Die Grinder - Smooth Finish, Hardened Sheet Steel
		1	A60TB(F8)	25000	7316093	34079338	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
3 x 1/4 x 3/8		1	A36TB(F8)	23000	7315925	34079288	Reinforced Cut-Off	Electric/Air Driven Die Grinder - Rapid Grinding, Exc. Finish
		1	A24TB(F8)	23000	7315926	34079289	Reinforced Cut-Off	Electric/Air Driven Die Grinder - Aggressive Grinding, Long Life
		1	A36TB(F8)	23000	7315927	34079290	Reinforced Cut-Off	Electric/Air Driven Die Grinder - Rapid Grinding, Exc. Finish
3 x 3/8 x 3/8		1	A36TB(F8)	18000	7315931	34079291	Reinforced Cut-Off	Electric/Air Driven Die Grinder - Rapid Grinding, Exc. Finish
3 x 1/2 x 3/8		1	A24TB(F8)	18000	7315934	34079292	Reinforced Cut-Off	Electric/Air Driven Die Grinder - Aggressive Grinding, Long Life
		1	RAA60-K8-V8	10825	D299512	34078567	Internal Grinding	High Carbon 52100, Chromium, & Nickel Alloys - 16 Rms Finish
3 x 1/2 x 1/2		1	A60-M5-V1	8280	A088560	34077969	Small Wheel	Soft Annealed Steel
		1	C60-M5-VL	8280	A402347	34078451	Wheel Dresser	Brake Dress Wheel - For Truing Diamond Wheels
3 x 1 x 1/2		1	C60-M5-VL	8280	A303890	34078217	Wheel Dresser	Brake Dress Wheel - For Truing Diamond Wheels
		1	C80-M5-VL	8280	A388820	34079375	Wheel Dresser	Brake Dress Wheel - For Truing Diamond Wheels
		1	WA60-M8-V8	8280	A321264	34078256	Wheel Dresser	Brake Dress Wheel - For Truing CBN & Diamond Wheels
		11	32A60-K5-VEQ	7640	F325041	34078659	Tool & Cutter	High Speed Tool Steels - Aggressive Removal - 16 Rms Finish
3/2-1/4 x 1-1/4 x 3/4	1/4R 3/8B B/P 2009	11	RA60-J5-V8	7640	F098310	34078603	Tool & Cutter	High Carbon / Chrome - Heavy Feed - 16 Rms - Good Finish
3 x 3 x 5/8-11 1DP		18	A16PB	12000	7316045	34079331	Snagging Plug	Very Aggressive Grinding, Heavy Stock Removal
3-1/2 x 3/8 x 1/2	1/S 2-1/2 x 1/8	5	WA46-J5-V8	7095	F102512	34078616	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		5	RA46-J5-V8	7095	F191876	34078635	Tool & Cutter	Hardened Steel - Good Finish - Heavy Downfeed
3-1/2 x 1-1/2 x 7/8	B/P 1490	99	C30-Q5-VL		F081418	34077918	Wheel Dresser	Metcalfe - For Aluminum Oxide Wheels
3-1/2/2-3/4 x 1-1/2 x 1-1/4								
	1/4R 3/8B B/P 1958	11	WA60-J5-V8	6550	F141836	34078632	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
	1/4R 3/8B B/P 1958	11	32A60-K5-VEQ	6550	F322192	34078654	Tool & Cutter	High Speed Tool Steels - Aggressive Removal - 16 Rms Finish
	1/4R 3/8B B/P 1958	11	WRA46-K5-V8	6550	F816698	34078685	Tool & Cutter	Hardened Steels - 32 Rms Finish - Good Durability
	1/4R 3/8B B/P 1958	11	WRA60-J5-V8	6550	F753548	34078681	Tool & Cutter	Hardened Steels - 16 Rms Finish - Good Form Hold
	1/4R 3/8B B/P 1958	11	RA60-I800-VOS	6550	M299745	34078891	Tool & Cutter	Hardened Steel - Better Finish - Heavy Downfeed
	1/4R 3/8B B/P 1958	11	RA60-J5-V8	6550	F098345	34078604	Tool & Cutter	High Carbon / Chrome - Heavy Feed - 16 Rms - Good Finish

GRINDING WHEELS 4" DIAMETER

1-800-851-1095

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
4 x .035 x 1/4		1	A60TB(F8)	15280	7316104	34079344	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
4 x .035 x 3/8		1	A60TB(F8)	15280	7316105	34079345	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
4 x 1/32 x 3/8		1	HP-857	20140	T429306	34079199	Reinforced Cut-Off	High Performance - Long Life - Ceramic
4 x 1/16 x 1/4		1	A36TB(F8)	19000	7316096	34079340	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
		1	A46TB(F8)	19000	7316100	34079342	Reinforced Cut-Off	Hi-Speed Die Grinder - Smooth Finish, Hardened Sheet Steel
		1	A60TB(F8)	19000	T316106	34079193	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
4 x 1/16 x 3/8		1	A36TB(F8)	19000	7316097	34079341	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
		1	A46TB(F8)	19000	7316101	34079343	Reinforced Cut-Off	Hi-Speed Die Grinder - Smooth Finish, Hardened Sheet Steel
		1	A60TB(F8)	19000	7316107	34079346	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
		1	HP-707	20140	† T429307	34079200	High Performance	High Performance - Long Life - Ceramic
4 x 1/16 x 5/8		1	A36TB(F8)	19000	7316098	34103501	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
4 x 1/8 x 3/8		1	A24TB(F8)	19000	7316095	34079339	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast, Aggressive Cutting, Long Life
		1	A36TB(F8)	19000	T316099	34079192	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
		1	A60TB(F8)	19000	T316109	34079006	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
4 x 3/16 x 3/8		1	A36TB(F8)	19000	7315939	34079293	Reinforced Cut-Off	Electric/Air Driven Die Grinder - Rapid Grinding, Exc. Finish
4 x 1/4 x 1/2		1	RA60-J5-V8	6210	A098370	34078043	Tool Room Wheel	High Carbon / Chrome - Heavy Feed - 16 Rms Finish
4 x 1/4 x 5/8		27	A24TB(F)	13560	7316213	34079351	Depressed Center	Fast Stock Removal - Weld Applications
4 x 1/2 x 3/8		1	A24TB(F8)	13500	7315997	34079315	Reinforced Cut-Off	Electric/Air Driven Die Grinder - Aggressive Grinding, Long Life
		1	A36TB(F8)	13500	† T315998	34079173	Reinforced Cut-Off	Electric/Air Driven Die Grinder - Rapid Grinding, Exc. Finish
		1	A60-M5-V1	6210	A088854	34077970	Tool Room Wheel	Soft Annealed Steel
		1	32A46-K5-VEQ	6210	A325042	34078361	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
4 x 1/2 x 3/4		1	32A60-K5-VEQ	6210	A325043	34078362	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	WRA60-K5-V8	6210	A824607	34078524	Tool Room Wheel	Hardened Steels - 16 Rms Finish - Good Form Hold
		1	RA60-J8-V8	6210	A135895	34078174	Tool Room Wheel	High Carbon / Chrome - Heavy Feed - 16 Rms Finish
4 x 1/2/5/16 x 3/4	B/P 2002	12	32A60-J5-VEQ	6210	F329665	34078661	Tool & Cutter	High Speed Tool Steels - Aggressive Removal - 16 Rms Finish
	B/P 2002	12	32A60-K5-VEQ	6210	F329666	34078662	Tool & Cutter	High Speed Tool Steels - Aggressive Removal - 16 Rms Finish
4 x 1 x 1/2		1	WA60-M8-V8	6210	A329720	34078390	Wheel Dresser	Brake Dress Wheel - For Truing CBN & Diamond Wheels
4/3 x 1-1/2 x 1-1/4	1/4R 1/2B B/P 2012	11	WA46-J5-V8	5730	F102733	34078617	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
	1/4R 1/2B B/P 2012	11	WA60-J5-V8	5730	F102768	34078618	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
	1/4R 1/2B B/P 2012	11	WA60-K5-V8	5730	F102776	34078619	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
	1/4R 1/2B B/P 2012	11	WA80-K5-V8	5730	F102814	34078620	Tool & Cutter	Hardened Steel - Fine Finish - Light Downfeed
	1/4R 1/2B B/P 1534	11	9A46-I2(H800)VOS	5730	M105	34078889	Tool & Cutter	Hardened Steel - Good Finish - Light Downfeed
	1/4 R 1/2 B B/P S11001							
		11	9A60-J12-V20	5730	F363378	34079036	Tool & Cutter	Hard & H.S.S. To 62 Rc.-16 Rms Finish-Light Feed
	1/4R 1/2B B/P D1534	11	RAA60-J2(H+800)VOS	5730	M005	34078884	Tool & Cutter	M-2, M-7, M42, & Chromium Alloys - 16 Rms - Open Structure
	1/4 R 1/2 B B/P S11001							
		11	RAA60-J2-VOS	5730	M363428	34079093	Tool & Cutter	Hardened Steels-16 Rms Finish-Light Feeds
	1/4 R 1/2 B B/P 11001							
		11	RAA602-J14-V35	5730	F363374	34079035	Tool & Cutter	Hardened Steels-16 Rms Finish-Medium Downfeed
	1/4 R 1/2 B B/P 11001							
		11	RAA802-K14-V35	5730	F363373	34079034	Tool & Cutter	Hardened Steels-12 Rms Finish-Good Form Holding
	1/4R 1/2B B/P 2012	11	GC60-I5-VL	5730	F107557	34078631	Sharpening	Rough Grind - Carbide Sharpening
	1/4R 1/2B B/P 2012	11	32A46-K5-VEQ	5730	F320718	34078647	Tool & Cutter	High Speed Tool Steel - Aggressive Removal - 32 Rms Finish
	1/4R 1/2B B/P 2012	11	32A60-J5-VEQ	5730	F320719	34078648	Tool & Cutter	High Speed Tool Steels - Aggressive Removal - 16 Rms Finish
	1/4R 1/2B B/P 2012	11	32A60-K5-VEQ	5730	F320720	34078649	Tool & Cutter	High Speed Tool Steels - Aggressive Removal - 16 Rms Finish
	1/4R 1/2B B/P 2012	11	WRA46-J5-V8	5730	F671908	34078671	Tool & Cutter	Hardened Steel - Good Finish - Medium Downfeed
	1/4R 1/2B B/P 2012	11	WRA60-J5-V8	5730	F671924	34078672	Tool & Cutter	Hardened Steels - 16 Rms Finish - Good Form Hold
	1/4R 1/2B B/P 2012	11	WRA60-K5-V8	5730	F671932	34078673	Tool & Cutter	Hardened Steels - 16 Rms Finish - Good Form Hold
	1/4R 1/2B B/P 2012	11	RA46-J5-V8	5730	F098540	34078605	Tool & Cutter	Hardened Steel - Good Finish - Heavy Downfeed

1-800-851-1095

4" to 5" DIAMETER GRINDING WHEELS

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
4/3 x 1-1/2 x 1-1/4 (Cont.)								
	1/4R 1/2B B/P 2012	11	RA60-I800-VOS	5730	M297263	34078890	Tool & Cutter	Hardened Steel - Better Finish - Heavy Downfeed
	1/4R 1/2B B/P 2012	11	RA60-J5-V8	5730	F098574	34078606	Tool & Cutter	High Carbon / Chrome - Heavy Feed - 16 Rms - Good Finish
	1/4R 1/2B B/P 2012	11	RA60-K5-V8	5730	F300454	34078640	Tool & Cutter	High Carbon / Chrome - Heavy Feed - 16 Rms - Good Finish
	1/4R 1/2B B/P 2012	11	8BP60-J8-V8	5730	F323155	34078656	Tool & Cutter	Ceramic Abr. - Cool Cut, Long Life - Stls > 35 Rc - 16 Rms Finish
	1/4R 1/2B B/P 2012	11	8BP60-L8-V8	5730	F323156	34078657	Tool & Cutter	Hardened Steel - Better Finish - Ceramic Abrasive
4/3 x 2 x 5/8-11	1R 3/4B B/P 29117	11	C16PB	7250	7316069	20052105	Snagging Cup	Non-Ferrous Applications - Aluminum, Brass & Bronze Castings
4 x 1-1/2 x 1-1/2		1	C30-Q5-VL	6210	A081485	34077966	Wheel Dresser	For Aluminum Oxide Wheels
4 x 2 x 20MM	3/8R 3/8B	6	9A802-J14-V35	5730	F004	34078581	Drill Grinding	Deckel - H.S.S. (M-2, M-7, & M-42 Mat I) Good Finish
	3/8 R 3/8 B B/P S6001	6	79A802-J12-V35	5730	F363340	34079033	Drill Grinding	Small Drills & Engraving Points
4-1/2 x 1/16 x 7/8		1	A36TB(F8)	13500	T316110	34079194	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
		1	A60TB(F8)	13500	7316113	34079349	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
4-1/2 x 3/32 x 7/8		1	A36TB(F8)	13500	7316111	34079347	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
4-1/2 x 1/8 x 5/8-11		27	A24TB(F)	13000	7316216	34079354	Depressed Center	Fast Stock Removal - Weld Applications
		27	ZA24-TB	13300	7425086	20052755	Depressed Center	High Performance - Weld Applications
4-1/2 x 1/8 x 7/8		27	A24TB(F)	13300	7316214	34079352	Depressed Center	Fast Stock Removal - Weld Applications
		27	ZA24-TB	13300	7425085	20052754	Depressed Center	High Performance - Weld Applications
4-1/2 x 1/4 x 5/8-11		27	A24TB(F)	13300	7316217	34079355	Depressed Center	Fast Stock Removal - Weld Applications
		27	ZA24-TB	13300	7425088	20052757	Depressed Center	High Performance - Weld Applications
4-1/2 x 1/4 x 7/8		27	A24TB(F)	13000	7316215	34079353	Depressed Center	Fast Stock Removal - Weld Applications
		27	ZA24-TB	13300	7425087	20052756	Depressed Center	High Performance - Weld Applications
4-1/2/2 x 1 x 5/8-SQ	1/2R 1/2B B/P 2696	11	SA46-I-V8	5095	F720070	34078675	Saw Sharpening	Jockey - Gumming of High Carbon Stl - Med Feed - Good Form
	1/2R 1/2B B/P 2696	11	SA46-J5-V8	5095	F011258	34078584	Saw Sharpening	Jockey - Gumming of High Carbon Stl - Med Feed - Good For
	1/2R 1/2B B/P 2696	11	WA46-J5-V8	5095	F329347	34078660	Saw Sharpening	Jockey - High Carbon Saw Steel - Light Feeds - Very Cool Cutting
	1/2R 1/2B B/P 2696	11	WRA601-J5-V8	5095	F741817	34078677	Saw Sharpening	Jockey - High Carbon Saw Steel - Med. Feed - Good Form Hold
	1/2R 1/2B B/P 2696	11	RA46-J5-V8	5095	F342190	34078665	Saw Sharpening	Jockey - Tough Ruby Abrasive
5 x .035 x 5/8		1	A60TB(F8)	12200	T316127	34079197	Reinforced Cut-Off	Hi-Speed Die Grinder - Fine Finish, Burr Free, Tubing
5 x 1/16 x 7/8		1	A36TB(F8)	12200	T316117	34079195	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
5 x 1/8 x 7/8		27	A24TB(F)	10850	7316218	34079356	Depressed Center	Fast Stock Removal - Weld Applications
		1	A36TB(F8)	12200	† 7316120	34079350	Reinforced Cut-Off	Hi-Speed Die Grinder - Fast Cutting, Good Life
5 x 1/4 x 5/8-11		27	ZA24-TB	12000	7425092	20052054	Depressed Center	High Performance - Weld Applications
5 x 1/4 x 7/8		27	A24TB(F)	12000	7316219	34079357	Depressed Center	Fast Stock Removal - Weld Applications
		27	ZA24-TB	12000	7425091	20052053	Depressed Center	High Performance - Weld Applications
5 x 1 x 3-1/2	B/P 16434	53	WA60-J5-V8	4585	J203807	34078747	Drill Grinding	Sellers - Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
5 x 1-1/2 x 1-1/4	3/8R 3/8B B/P 2021	6	WA60-K5-V8	4585	F102890	34078621	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
	3/8R 3/8B B/P 2021	6	WRA46-K5-V8	4585	F584282	34078667	Tool & Cutter	Hardened Steels - 32 Rms Finish - Good Durability
	3/8R 3/8B B/P 2021	6	WRA60-J5-V8	4585	F618608	34078669	Tool & Cutter	Hardened Steels - 16 Rms Finish - Good Form Hold
	3/8R 3/8B B/P 2021	6	WRA60-K5-V8	4585	F610348	34078668	Tool & Cutter	Hardened Steels - 16 Rms Finish - Good Form Hold
	3/8R 3/8B B/P 2021	6	RA46-J5-V8	4585	F156744	34078633	Tool & Cutter	Hardened Steel - Good Finish - Heavy Downfeed
5 x 1-1/2 x 1-1/4	3/8R 3/8B B/P 2021	6	RA60-J5-V8	4585	F098680	34078607	Tool & Cutter	High Carbon / Chrome - Heavy Feed - 16 Rms - Good Finish
5/3-3/4 x 1-3/4 x 1-1/4	1/4R 1/2B B/P 2014	11	WA46-J5-V8	4585	F880213	34078688	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
	1/4R 1/2B B/P 2014	11	WA46-K5-V8	4585	F103039	34078623	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
	1/4R 1/2B B/P 2014	11	WA60-J5-V8	4585	F103020	34078622	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
	1/4R 1/2B B/P 2014	11	WA60-K5-V8	4585	F300403	34078639	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
	1/4R 1/2B B/P 2014	11	9A54-J12-V20	4584	F361215	34079032	Tool & Cutter	Hard & H.S.S. To 62 Rc.-16 Rms Finish-Light Feed
	1/4R 1/2B B/P D1536	11	RAA602-I14-VA3	4585	F001	34078580	Tool & Cutter	M-2, M-7, M42, & Chromium Alloys - 16 Rms - Good Form
	1/4R 1/2B B/P 2014	11	32A46-J5-VEQ	4585	F320722	34078650	Tool & Cutter	High Speed Tool Steel - Aggressive Removal - 32 Rms Finish
	1/4R 1/2B B/P 2014	11	32A60-K5-VEQ	4585	F320723	34078651	Tool & Cutter	High Speed Tool Steels - Aggressive Removal - 16 Rms Finish
	1/4R 1/2B B/P 2014	11	WRA46-J5-V8	4585	F734349	34078676	Tool & Cutter	Hardened Steel - Good Finish - Medium Downfeed

GRINDING WHEELS 5" to 6" DIAMETER

1-800-851-1095

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
5/3-3/4 x 1-3/4 x 1-1/4	1/4R 1/2B B/P 2014 11	11	WRA46-K5-V8	4585	F747726	34078678	Tool & Cutter	Hardened Steels - 32 Rms Finish - Good Durability
			WRA60-J5-V8	4585	F713554	34078674	Tool & Cutter	Hardened Steels - 16 Rms Finish - Good Form Hold
			WRA60-K5-V8	4585	F753513	34078680	Tool & Cutter	Hardened Steels - 16 Rms Finish - Good Form Hold
			RA46-J5-V8	4585	F024791	34078586	Tool & Cutter	Hardened Steel - Good Finish - Heavy Downfeed
			RA60-I800-VOS	4585	M299754	34078892	Tool & Cutter	Hardened Steel - Better Finish - Heavy Downfeed
			RA60-J800-VOS	4585	M299755	34078893	Tool & Cutter	Hardened Steel - Better Finish - Heavy Downfeed
			RA60-J5-V8	4585	F098701	34078608	Tool & Cutter	High Carbon / Chrome - Heavy Feed - 16 Rms - Good Finish
			8BP60-K8-V8	4585	F323157	34078658	Tool & Cutter	Ceramic Abr. - Cool Cut, Long Life - Stls > 35 Rc - 16 Rms Finish
5/4 x 2 x 5/8-11	1-1/4R 3/4B B/P 29118 11	11	A16QB	7250	U316065	34079205	Snagging Cup	Very Aggressive Grinding, Steel & Ferrous Metals
			CA16PB	7250	7316179	20052154	Snagging Cup	Gray and Ductile Iron - Castings Impregnated with Sand & Scale
5.875 x1-1/2 x 50MM	1-11/32R 1/2B B/P 23519	6	WA60-J5-V8	3820	F025062	34078587	Drill Grinding	Select-O-Point - H.S.S. (M-2, M-7, & M-42 Mat I) - Good Finish
			A60-Q6-B	7958	†S363337	34079155	Non-Reinforced Cut Off	Tool Room-General Purpose
6 x 1/32 x 1/2	1	1	A70-O5-B20	7639	S112321	34079144	Non-Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free
			A70-P6-B20	7639	S076465	34079123	Non-Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free
6 x .035 x 1/2	1	1	A60TB(F8)	10200	T315863	34079165	Reinforced Cut-Off	Bench Top Chop Saw - Fine Finish, Burr Free, Tubing
6 x .035 x 5/8	1	1	A60TB(F8)	10200	7315864	34079260	Reinforced Cut-Off	Bench Top Chop Saw - Fine Finish, Burr Free, Tubing
6 x .035 x 1-1/4	1	1	A60-O5-B20F8	10186	7935832	34079377	Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free
6 x 1/16 x 1/2	1	1	A46-P5-B20	7639	S076600	34079124	Non-Reinforced Cut-Off	Tool Room - General Purpose
			A60TB(F8)	10200	T315865	34079166	Reinforced Cut-Off	Bench Top Chop Saw - Fine Finish, Burr Free, Tubing
6 x 1/16 x 5/8	1	1	A36TB(F8)	10200	7315858	34079257	Reinforced Cut-Off	Bench Top Chop Saw - Fast Cutting, Good Life
			A46TB(F8)	10200	7315862	34079259	Reinforced Cut-Off	Bench Top Chop Saw - Smooth Finish, Good Cutting
6 x 1/16 x 1-1/4	1	1	A54-N6-B20	7639	S131172	34079146	Non-Reinforced Cut-Off	Tool Room - General Purpose
6 x 3/32 x 1-1/4	1	1	A70-O5-B20	9040	7159468	34079255	Non-Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free
6 x 1/8 x 1/2	1	1	A36TB(F8)	10200	7315859	34079258	Reinforced Cut-Off	Bench Top Chop Saw - Fine Finish, Burr Free, Tubing
			A60TB(F8)	10200	7315867	34079261	Reinforced Cut-Off	Bench Top Chop Saw - Fine Finish, Burr Free, Tubing
			A60TB(F8)	10200	7315868	34079262	Reinforced Cut-Off	Bench Top Chop Saw - Fine Finish, Burr Free, Tubing
6 x 1/8 x 1-1/4	1	1	A46-P5-B20	9040	S076813	34078994	Non-Reinforced Cut-Off	Tool Room - General Purpose
			A46S-O5-B20	9040	S076880	34079125	Saw Sharpening	Saw Gumming - Resin Bonded Wheels
6 x 1/4 x 1-1/4	1	1	A46-M5-V1	4140	A089729	34077971	Tool Room Wheel	Soft Annealed Steel
			A60-M5-V1	4140	A089753	34077972	Tool Room Wheel	Soft Annealed Steel
			WA60-K-V8	4140	A027294	34077946	Tool Room Wheel	Hardened Steel - Better Finish - Light Downfeed
			WA80-K-V8	4140	A612901	34078462	Tool Room Wheel	Hardened Steel - Fine Finish - Light Downfeed
			WA100-K5-V8	4140	A300629	34078211	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - Forms > .008 R
			GC120-J5-VL	4140	A107670	34078141	Sharpening	Finish Grind - Carbide
			GC120-K10-VD6	4140	A363319	34079020	Sharpening	Carbide- Chip Breaker
			32A60-K5-VEQ	4140	A325046	34078363	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
			RA46-J5-V8	4140	A098736	34078044	Tool Room Wheel	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
			RA60-J5-V8	4140	A098850	34078049	Tool Room Wheel	High Carbon / Chrome - Heavy Feed - 16 Rms Finish
6 x 1/2 x 1-1/4	1	1	RA80-J5-V8	4140	A025399	641848	Tool Room Wheel	High Carbon / Chrome - Gen Forms > .010 R - 12 Rms Finish
			RA80-L5-V8	4140	A025500	34077945	Tool Room Wheel	High Carbon / Chrome - Gen Forms > .010 R - 12 Rms Finish
			RA120-L6-V8	4140	A006416	34077931	Tool Room Wheel	High Carbon / Chrome - Fine Forms > .005 R - 8 Rms Finish
			A46-M5-V1	4140	A001708	34077926	Bench & Pedestal	Aluminum Oxide - Medium
			A46-N-V20	4138	A363392	34079029	Bench & Pedestal	Offhand Grinding - Roughing
			A60-M5-V1	4140	A003271	34077928	Bench & Pedestal	Aluminum Oxide - Fine
			A80-M5-V1	4140	A001643	34077925	Bench & Pedestal	Aluminum Oxide - Very Fine
1	WA46-J8-V8	4140	A102970	34078107	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish		

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6" DIAMETER GRINDING WHEELS

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
6 x 1/2 x 1-1/4 (Cont.)		1	WA60-J8-V8	4140	A102954	34078106	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	WA60-K5-V8	4140	A102946	34078105	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - Forms > .016 R
		1	WA80-J8-V8	4140	A184527	34078190	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 12 Rms Finish
		1	WA120-K8-V8	4140	A103144	34078108	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 8 Rms Finish
		1	GC60-I5-VL	4140	A107689	643363	Sharpening	Rough Grind - Carbide
		1	GC60-J5-VL	4140	A008931	641812	Sharpening	Rough Grind - Carbide
		1	GC602-J02-VD2	4138	K363426	34079075	Sharpening	Carbide Tools-Roughing
		1	GC80-J5-VL	4140	A107700	34078142	Sharpening	Medium Grind - Carbide
		1	GC120-J5-VL	4140	A107719	34078143	Sharpening	Finish Grind - Carbide
		1	32A60-J8-VEQ	4140	A322101	34078262	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	32A60-K8-VEQ	4140	A322102	34078263	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	WRA60-K8-V8	4140	A795798	34078509	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	RA46-H800-VOS	4140	K299757	34078820	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
		1	RA46-J8-V8	4140	A098779	34078045	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA60-H800-VOS	4140	† K299759	34078821	Surface Grinding	High Carbon / Chrome - Heavy Feed - 16 Rms - Open Structure
		1	RA60-J8-V8	4140	A098795	34078046	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
	1	RA80-J8-V8	4140	A006610	34077932	Surface Grinding	High Carbon / Chrome - Heavy Feed - Gen Forms > .010 R	
6 x 1/2/5/16 x 1-1/4	B/P 2005	12	WA46-K5-V8	4140	F903191	34078691	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
	B/P 2005	12	WA60-J5-V8	4140	F103179	34078624	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
	B/P 2005	12	32A60-K5-VEQ	4140	F322195	34078655	Tool & Cutter	High Speed Tool Steels - Aggressive Removal - 16 Rms Finish
	B/P 2005	12	WRA46-K5-V8	4140	F812226	34078684	Tool & Cutter	Hardened Steels - 32 Rms Finish - Good Durability
	B/P 2005	12	WRA60-J5-V8	4140	F767182	34078683	Tool & Cutter	Hardened Steels - 16 Rms Finish - Good Form Hold
	B/P 2005	12	WRA60-K5-V8	4140	F762970	34078682	Tool & Cutter	Hardened Steels - 16 Rms Finish - Good Form Hold
6 x 1/2/5/16 x 1-1/4	B/P 2005	12	RA46-J5-V8	4140	F098833	34078609	Tool & Cutter	Hardened Steel - Good Finish - Heavy Downfeed
6 x 1/2/5/16 x 1-1/4	B/P 2005	12	RA60-J5-V8	4140	F098868	34078610	Tool & Cutter	High Carbon / Chrome - Heavy Feed - 16 Rms - Good Finish
6 x 3/4 x 1		1	C60-G8-V4	4140	A316376	34078230	Bench & Pedestal	Rough Grind - Carbide
6 x 3/4 x 1-1/4		1	A36-M5-V1	4140	A089850	34077973	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A36-O5-V1	4140	A089869	34077974	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A46-M5-V1	4140	A089982	34077975	Bench & Pedestal	Aluminum Oxide - Medium
		1	A60-M-V1	4138	A363324	34078444	Bench & Pedestal	Offhand Grinding-Finishing
		1	A60-M5-V1	4140	A090158	34077979	Bench & Pedestal	Aluminum Oxide - Fine
		1	A80-M5-V1	4140	A090018	34077976	Bench & Pedestal	Aluminum Oxide - Very Fine
		1	A120-M6-V1	4140	A090034	34077977	Bench & Pedestal	Aluminum Oxide - Very Fine
6 x 3/4 x 1-1/4		1	97A46-N-V20	4138	† A363320	34079021	Bench & Pedestal	Tool Grinding H.S. Steel-Roughing
		1	97A60-M-V20	4138	A361182	34079009	Bench & Pedestal	Tool Grinding H.S. Steel-Finish
		1	97A80-L-V20	4140	A363321	34078443	Bench & Pedestal	Tool Grinding H.S. Steel-High Finish
		1	WA60-J8-V8	4140	A103233	34078109	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	9A60-N2(K800F)VOS	4140	K001	34078753	Surface Grinding	Hardened Steel - Better Finish - Light Downfeed
		1	9A100-N2(K800)VOS	4140	K002	34078754	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 10 Rms Finish
		1	GC60-J5-VL	4140	A107735	34078144	Sharpening	Rough Grind - Carbide
		1	GC80-J5-VL	4140	A107751	34078145	Sharpening	Medium Grind - Carbide
		1	GC100-H11-VL	4140	K005932	34078757	Sharpening	Medium Grind - Carbide
		1	GC100-J5-VL	4140	A184187	34078189	Sharpening	Medium Grind - Carbide
6 x 3/4 x 1-1/4		1	GC120-G8-V4	4140	A318649	34078234	Sharpening	Finish Grind - Carbide
		1	GC120-I08-VD2	3820	K363325	34079060	Sharpening	Carbide Tools-Finishing
		1	GC120-J5-VL	4140	A107778	34078146	Sharpening	Finish Grind - Carbide
		1	GC602-J02-VD2	4138	K363326	34079061	Sharpening	Carbide Tools-Roughing
		1	RA46-J8-V8	4140	A098817	34078047	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA60-H800-VOS	4140	K292919	34078812	Surface Grinding	High Carbon / Chrome - Heavy Feed - 16 Rms - Open Structure

GRINDING WHEELS 6" DIAMETER

1-800-851-1095

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
6 x 3/4 x 1-1/4 (Cont.)		1	RA60-J8-V8	4140	A098825	34078048	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
6 x 3/4 x 3/8 x 1-1/4	B/P 2006	12	WA46-J5-V8	4140	F300772	34078641	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
	B/P 2006	12	WA60-J5-V8	4140	F103284	34078625	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
	B/P D1545	12	RAA60-J2(H+800)VOS	4140	M008	34078885	Tool & Cutter	M-2, M-7, M42, & Chromium Alloys - 16 Rms - Open Structure
	B/P 2006	12	WRA60-K5-V8	4140	F638447	34078670	Tool & Cutter	Hardened Steels - 16 Rms Finish - Good Form Hold
	B/P 2006	12	RA46-J5-V8	4140	F099015	34078615	Tool & Cutter	Hardened Steel - Good Finish - Heavy Downfeed
	B/P 2006	12	RA60-J5-V8	4140	F098884	34078611	Tool & Cutter	High Carbon / Chrome - Heavy Feed - 16 Rms - Good Finish
6 x 3/4 x 13/32 x 1-1/4	B/P 12001	12	RAA60-I2-VOS	3820	M363338	34079091	Tool & Cutter	M-2, M-7, M-42, & Chromium Alloys - 32 Rms Finish
6 x 1 x 5/8		1	A24-P4-B10	6050	Q077151	34078980	Snagging Wheel	Steel Castings & Welds
		1	CA16-P4-B10	6050	Q302015	34078986	Snagging Wheel	Iron & Steel Castings
6 x 1 x 1-1/4		1	A24-P-V20	4138	A361587	34079010	Bench & Pedestal	Snagging-Low Speed
		1	A36-M5-V1	4140	A090140	34077978	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A36-O5-V1	4140	A090182	34077981	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A46-M5-V1	4140	A090166	34077980	Bench & Pedestal	Aluminum Oxide - Medium
		1	A60-M5-V1	4140	A090352	34077983	Bench & Pedestal	Aluminum Oxide - Fine
		1	A80-M5-V1	4140	A090247	34077982	Bench & Pedestal	Aluminum Oxide - Very Fine
		1	A100-N5-V1	4140	A090360	34077984	Bench & Pedestal	Aluminum Oxide - Very Fine
		1	97A60-M-V20	4138	A363386	34079027	Bench & Pedestal	Tool Grinding H.S. Steel-Finish
		1	97A80-L-V20	4138	A363387	34079028	Bench & Pedestal	Tool Grinding H.S. Steel-High Finish
		1	GC60-J5-VL	4140	A107794	34078147	Sharpening	Rough Grind - Carbide
		1	GC602-J02-VD2	4138	K363391	34079073	Sharpening	Carbide Tools-Roughing
		1	GC80-J5-VL	4140	A107808	34078148	Sharpening	Medium Grind - Carbide
		1	GC120-I08-VD2	3820	K363390	34079072	Sharpening	Carbide Tools-Finishing
		1	GC120-J5-VL	4140	A107824	34078149	Sharpening	Finish Grind - Carbide
6 x 1 x 4	B/P 16423	53	WA46-K5-V8	3820	J096342	34078736	Plate Mtd Tool Sharpen	Hi-Speed Steel Baldor, Delta, Hammond
	B/P 16423	53	GC60-J14-VL	3820	J067830	34078734	Plate Mtd Tool Sharpen	Baldor, Delta, Hammond - Rough Grind - Carbide
	B/P 16423	53	GC80-J14-VL	3820	J096440	34078737	Plate Mtd Tool Sharpen	Baldor, Delta, Hammond - Medium Grind - Carbide
	B/P 16423	53	GC100-I14-VL	3820	J096458	34078738	Plate Mtd Tool Sharpen	Baldor, Delta, Hammond - Medium Grind - Carbide
	B/P 16423	53	GC120-J14-VL	3820	J096474	34078739	Plate Mtd Tool Sharpen	Baldor, Delta, Hammond - Finish Grind - Carbide
	B/P 16423	53	32A60-J5-VEQ	3820	J329668	34078749	Plate Mtd Tool Sharpen	Baldor, Delta, Hammond - Hi-Speed Steel
6 x 1-1/4 x 1-1/4	1/S 3-1/2 x 5/8	5	9A60-N2(K800)VOS	4140	M933	34078899	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 16 Rms - Open Structure
6 x 1-1/2 x 1-1/4	1/2R 1/2B	6	WA60-J5-V8	3820	F050326	34078588	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
	1/2R 1/2B	6	WRA46-K5-V8	3820	F817600	34078686	Tool & Cutter	Hardened Steels - 32 Rms Finish - Good Durability
	1/2R 1/2B	6	WRA60-K5-V8	3820	F817619	34078687	Tool & Cutter	Hardened Steels - 16 Rms Finish - Good Form Hold
	1/2R 1/2B	6	RA46-J5-V8	3820	F098949	34078612	Tool & Cutter	Hardened Steel - Good Finish - Heavy Downfeed
	1/2R 1/2B	6	RA60-J5-V8	3820	F098957	34078613	Tool & Cutter	High Carbon / Chrome - Heavy Feed - 16 Rms - Good Finish
6 x 1-1/2 x 4	B/P 17070	53	A46-I5-V1	3820	J010146	34078733	Plate Mtd Tool Sharpen	Baldor, Delta, Hammond - General Purpose
	B/P 17070	53	GC60-J14-VL	3820	J005266	34078732	Plate Mtd Tool Sharpen	Baldor, Delta, Hammond - Rough Grind - Carbide
	B/P 17070	53	GC120-I14-VL	3820	J005240	34078731	Plate Mtd Tool Sharpen	Baldor, Delta, Hammond - Finish Grind - Carbide
6/3 x 2 x 1-1/4	1/2R 1/2B B/P 26876	11	WRA46-J5-V8	3820	F881686	34078689	Tool & Cutter	Hardened Steel - Good Finish - Medium Downfeed
6/4-1/2 x 2 x 1-1/4	3/8R 1/2B B/P 2015	11	WA46-K5-V8	3820	F103411	34078627	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
6/4-1/2x2x1-1/4	3/8R 1/2B B/P 2015	11	RA46-I800-VOS	3820	M299773	34078894	Tool & Cutter	Hardened Steel - Good Finish - Heavy Downfeed
	3/8R 1/2B B/P 2015	11	RA46-J5-V8	3820	F098981	34078614	Tool & Cutter	Hardened Steel - Good Finish - Heavy Downfeed
6/4-3/4 x 2 x 5/8-11	1-1/2R 3/4B B/P 29120	11	A16QB	6050	U316067	34079206	Snagging Cup	Very Aggressive Grinding, Steel & Ferrous Metals
	1-1/2R 3/4B B/P 1418311	11	A16-R4-B10	6050	U077348	34078996	Snagging Cup	Steel Castings & Welds
	1-1/2R 3/4B B/P 1418311	11	A24-P4-B10	6050	U367338	34079005	Snagging Cup	Steel Castings & Welds
6/4-3/4 x 2 x 5/8-11S	1-1/2R 3/4B B/P 29121	11	A16QB	6050	7316068	20052104	Snagging Cup	Very Aggressive Grinding, Steel & Ferrous Metals
	1-1/2R 3/4B B/P 29121	11	CA16PB	6050	7316181	20052155	Snagging Cup	Gray and Ductile Iron - Castings Impregnated with Sand & Scale

1-800-851-1095

6" to 7" DIAMETER GRINDING WHEELS

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
6/4-3/4 x 2 x 5/8-11S (Cont.)	1-1/2R 3/4B B/P 29121	11	C16PB	6050	† 7316073	20052108	Snagging Cup	Non-Ferrous Applications - Aluminum, Brass & Bronze Castings
6/3-3/4 x 2-1/2 x 1-1/4	1/2R 3/4B B/P 13173	11	WA46-I5-V8	3820	F103500	34078628	Tool & Cutter	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
6-1/2 x 1-1/2 3/4 x 1-1/4	B/P 1921	12	WA46-J5-V8	3820	F103357	34078626	Saw Sharpening	High Carbon Saw Steel - Light Feeds - Very Cool Cutting
7 x 1/32 x 1-1/4		1	A60-M8-B1	6548	S369	34079159	Non-Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free
		1	A602-P6-B1	6548	S002	34079117	Non-Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free
		1	A60-Q6-B	6821	S363285	34079154	Non-Reinforced Cut Off	Cutting Off, Slotting, Grooving
		1	A70-M5-B20	6550	S104450	34079140	Non-Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free
		1	A70-O5-B20	8735	S077461	34079127	Non-Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free
7 x .035 x 5/8		1	A60TB(F8)	8740	7315878	34079270	Reinforced Cut-Off	Bench Top Chop Saw - Fine Finish, Burr Free, Tubing
7 x .035 x 1-1/4		1	A60-P5-B20F8	8735	T833703	34079204	Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free
		1	A60TB(F8)	8740	7315879	34079271	Reinforced Cut-Off	Bench Top Chop Saw - Fine Finish, Burr Free, Tubing
		1	A36TB(F8)	8740	7315869	34079263	Reinforced Cut-Off	Bench Top Chop Saw - Fast Cutting, Good Life
		1	A46TB(F8)	8740	7315874	34079267	Reinforced Cut-Off	Bench Top Chop Saw - Smooth Finish, Good Cutting
		1	A60TB(F8)	8740	7315880	34079272	Reinforced Cut-Off	Bench Top Chop Saw - Fine Finish, Burr Free, Tubing
7 x 1/16 x 5/8		1	A36TB(F8)	8735	7315870	34079264	Reinforced Cut-Off	Bench Top Chop Saw - Fast Cutting, Good Life
		1	A46TB(F8)	8740	7315875	34079268	Reinforced Cut-Off	Bench Top Chop Saw - Smooth Finish, Good Cutting
		1	A60TB(F8)	8740	7315881	34079273	Reinforced Cut-Off	Bench Top Chop Saw - Fine Finish, Burr Free, Tubing
7 x 1/16 x 1-1/4		1	A46-M8-B1	6550	7S025	34079379	Non-Reinforced Cut-Off	Tool Room - General Purpose
		1	A46-P5-B20	7750	S077569	34079129	Non-Reinforced Cut-Off	Tool Room - General Purpose
		1	A602-P6-B1	8735	S003	34079118	Non-Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free
		1	A60-Q6-B	6821	S363203	34079153	Non-Reinforced Cut Off	Cutting Off, Slotting, Grooving
		1	A70-M5-B20	6548	† S129275	34079145	Non-Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free
		1	A70-O5-B20	7750	S077631	34079130	Non-Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free
		1	A36TB(F8)	8735	7315871	34079265	Reinforced Cut-Off	Bench Top Chop Saw - Fast Cutting, Good Life
		1	A46TB(F8)	8740	7315876	34079269	Reinforced Cut-Off	Bench Top Chop Saw - Smooth Finish, Good Cutting
		1	A60TB(F8)	8740	7315882	34079274	Reinforced Cut-Off	Bench Top Chop Saw - Fine Finish, Burr Free, Tubing
		1	A60-S5-B20F8	8732	7687553	34079374	Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free
7 x 3/32 x 1-1/4		1	A46-P5-B20	8735	S054291	34079119	Non-Reinforced Cut-Off	Tool Room - General Purpose
7 x 1/8 x 5/8		1	A36TB(F8)	8740	7315873	34079266	Reinforced Cut-Off	Bench Top Chop Saw - Fast Cutting, Good Life
7 x 1/8 x 5/8-11		27	A24TB(F)	8500	7316222	34079360	Depressed Center	Fast Stock Removal - Weld Applications
7 x 1/8 x 1-1/4		1	A46-P5-B20	6548	† S077755	34079131	Non-Reinforced Cut-Off	Tool Room - General Purpose
		1	A465-O5-B60	6550	Q104477	34078981	Saw Sharpening	Saw Gumming - Resin Bonded Wheels
		1	A70-O5-B20	7750	S077798	34078995	Non-Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free
		1	WA60-I5-V8	3600	A027472	34077947	Saw Sharpening	Cool Cutting White Abrasive
		1	RA80-L5-V8	3600	A452181	34078453	Saw Sharpening	Tough Ruby Abrasive
		1	RAA1002-J0-VOS	3547	K363347	34079065	Tool Room	Tool Grinding, Under .005 Radius
7 x 1/4 x 5/8-11		27	A24TB(F)	8500	7316223	34079361	Depressed Center	Fast Stock Removal - Weld Applications
		27	C24TB(F)	8500	7316230	34079366	Depressed Center	Aggr. Cutting - Concrete, Masonry, Cast Iron, Non-Ferrous Metal
		27	ZA24-TB	8500	7425096	20052058	Depressed Center	High Performance - Weld Applications
		28	A24TB(F8)	8500	† 7316234	34079368	Depressed Center	Fast Stock Removal - Weld Applications
7 x 1/4 x 7/8		27	A24TB(F)	8500	7316221	34079359	Depressed Center	Fast Stock Removal - Weld Applications
		28	A24TB(F8)	8500	7316233	34079367	Depressed Center	Fast Stock Removal - Weld Applications
7 x 1/4 x 1-1/4		1	A80-K-V25	3600	A395	34078450	Tool Room Wheel	Soft Annealed Steel
		1	WA46-H8-V8	3600	A326361	34078373	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA46-J5-V8	3600	A011061	34077938	Tool Room Wheel	Hardened Steel - Good Finish - Light Downfeed
		1	WA60-I8-V8	3600	A319272	34078237	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	WA60-J5-V8	3600	A007820	34077934	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - Forms > .016 R
		1	WA60-J8-V8	3600	A329722	34078391	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish

GRINDING WHEELS 7" DIAMETER**1-800-851-1095**

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
7 x 1/4 x 1-1/4 (Cont.)		1	WA60-K5-V8	3600	A027600	34077948	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - Forms > .016 R
		1	WA60-K8-V8	3600	A329723	34078392	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	WA80-I8-V8	3600	A329724	34078393	Tool Room Wheel	Hardened Steel - Fine Finish - Light Downfeed
		1	WA80-J5-V8	3600	A103535	34078110	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - Forms > .010 R
		1	WA80-J8-V8	3600	A329725	34078394	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - 12 Rms Finish
		1	WA80-K5-V8	3600	A103543	34078111	Tool Room Wheel	Hardened Steel - Fine Finish - Light Downfeed
		1	WA80-K8-V8	3600	A329726	34078395	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - 12 Rms Finish
		1	WA100-I5-V8	3600	A302672	34078215	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - Forms > .008 R
		1	WA100-I8-V8	3600	A316278	34078229	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - 10 Rms Finish
		1	WA100-J5-V8	3600	A902314	34078537	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - Forms > .008 R
		1	WA100-J8-V8	3600	A329727	34078396	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - 10 Rms Finish
		1	WA100-K5-V8	3600	A103560	34078112	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - Forms > .008 R
		1	WA120-K6-V8	3600	A103578	34078113	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - Forms > .005 R
		1	WA120-K8-V8	3600	A329728	34078397	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - 8 Rms Finish
		1	WA120-M6-V8	3600	A103586	34078114	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - Forms > .005 R
		1	WA150-K6-V8	3600	A815292	34078517	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Fine Forms > .004 R
		1	WA150-K8-V8	3600	A318051	34078232	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Fine Forms > .004 R
		1	WA150-M8-V28	3600	A329729	34078398	Tool Room Wheel	Orange Clay Bond - Hard & H.S.S. - Fine Forms > .004 R
		1	WA220-K6-V8	3600	A103624	34078115	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Fine Forms > .003 R
		1	9A60-H2(G800)VOS	3600	K004	34078755	Tool Room Wheel	Tool Steels to 62 Rc - Lt Feeds - 16 Rms - Open Structure
		1	9A60-I2(H800)VOS	3600	K249	34078798	Tool Room Wheel	Tool Steels to 62 Rc - Lt Feeds - 16 Rms - Open Structure
		1	9A80-H2(G800)VOS	3600	K271	34078802	Tool Room Wheel	Tool Steels to 62 Rc - Lt Feeds - 12 Rms - Open Structure
		1	9A807-K14-V35	3601	A363298	34079018	Tool Room	Tool Grinding, Under .010 Radius
		1	9A100-I1(I800)VOS	3600	K005	34078756	Tool Room Wheel	Tool Steels to 62 Rc - Lt Feeds - 10 Rms - Open Structure
		1	9A150-L-V15	3600	A604	34078461	Tool Room Wheel	Tool Steels to 62 Rc - Fine Forms > .004 R - 8 Rms Finish
		1	9A220-L12-VA3	3600	AS41	34078549	Tool Room Wheel	Tool Steels to 62 Rc - Fine Forms > .003 R - 5 Rms Finish
		1	RAA46-H2(G800)VOS	3600	K641	34078873	Tool Room Wheel	Chromium & Nickel Alloys - 32 Rms - Open Structure
		1	RAA60-H2(G800)VOS	3600	K569	34078872	Tool Room Wheel	Chromium & Nickel Alloys - 16 Rms Finish - Open Structure
		1	RAA60-I2(H800)VOS	3600	K420	34078866	Tool Room Wheel	Chromium & Nickel Alloys - 16 Rms Finish - Open Structure
		1	RAA60-I2-VOS	3601	K5472	34079088	Tool Room	Tool Grinding-H.S.S. & Stainless
		1	RAA80-I2-VOS	3601	K363345	34079064	Tool Room	Tool Grinding-H.S.S. & Stainless
		1	RAA100-I2(H800)VOS	3600	K497	34078870	Tool Room Wheel	Chromium & Nickel Alloys - 10 Rms Finish - Open Structure
		1	RAA100-I2-VOS	3601	K5409	34079080	Tool Room	Tool Grinding Under .005 Radius
		1	RAA1002-J0(K8)VOS	3600	K262	34078800	Tool Room Wheel	Hardened Steel - General Forms
		1	RAA1002-J0-VOS	3601	K363342	34079063	Tool Room	Tool Grinding Under .005 Radius
		1	GC60-J5-VL	3600	A016721	34077940	Sharpening	Rough Grind - Carbide
		1	GC120-J5-VL	3600	A107930	34078150	Sharpening	Finish Grind - Carbide
		1	GC120-K10-VD6	3601	A363309	34079019	Sharpening	Carbide Tools-Finishing
		1	32A46-H8-VEQ	3600	A320694	34078238	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-I8-VEQ	3600	A320695	34078239	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-J8-VEQ	3600	A322103	34078264	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-K8-VEQ	3600	A322104	34078265	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A60-H8-VEQ	3600	A322105	34078266	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	32A60-I8-VEQ	3600	A320696	34078240	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	32A60-J8-VEQ	3600	A320697	34078241	Tool Room Wheel	Hardened Steel - Better Finish - Medium Downfeed
		1	32A60-K5-VEQ	3600	A325049	34078364	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	32A60-K8-VEQ	3600	A322106	34078267	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	32A80-I8-VEQ	3600	A322108	34078268	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 12 Rms Finish

1-800-851-1095

7" DIAMETER GRINDING WHEELS

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
7 x 1/4 x 1-1/4 (Cont.)		1	32A80-J8-VEQ	3600	A322109	34078269	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 12 Rms Finish
		1	32A80-K8-VEQ	3600	A322110	34078270	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 12 Rms Finish
		1	32A100-I8-VEQ	3600	A322112	34078271	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - Forms > .008 R
		1	32A100-J8-VEQ	3600	A322113	34078272	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - Forms > .008 R
		1	32A120-K8-VEQ	3600	A322115	34078273	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - Fine Forms > .005 R
		1	WRA46-J5-V8	3600	A788996	34078503	Tool Room Wheel	Hardened Steels - 32 Rms Finish - Good Durability
		1	WRA60-H5-V8	3600	A781240	34078501	Tool Room Wheel	Hardened Steels - 16 Rms Finish - Good Form Hold
		1	WRA60-I5-V8	3600	A862649	34078529	Tool Room Wheel	Hardened Steels - 16 Rms Finish - Good Form Hold
		1	WRA60-J5-V8	3600	A672157	34078470	Tool Room Wheel	Hardened Steels - 16 Rms Finish - Good Form Hold
		1	WRA60-K5-V8	3600	A755036	34078492	Tool Room Wheel	Hardened Steels - 16 Rms Finish - Good Form Hold
		1	WRA80-J5-V8	3600	A672173	34078471	Tool Room Wheel	Hardened Steels - 12 Rms Finish - Forms > .010 R
		1	WRA80-K5-V8	3600	A650005	34078468	Tool Room Wheel	Hardened Steels - 12 Rms Finish - Forms > .010 R
		1	WRA80-L5-V8	3600	A817198	34078519	Tool Room Wheel	Hardened Steels - 12 Rms Finish - Forms > .010 R
		1	WRA120-K6-V8	3600	A761974	34078495	Tool Room Wheel	Hardened Steels - 8 Rms Finish - Forms > .005 R
		1	RA46-H800-VOS	3600	K299775	34078822	Tool Room Wheel	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
		1	RA46-J5-V8	3600	A105023	34078135	Tool Room Wheel	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA60-J5-V8	3600	A205036	34078199	Tool Room Wheel	High Carbon / Chrome - Heavy Feed - 16 Rms Finish
		1	RA60-K5-V8	3600	A300675	34078212	Tool Room Wheel	High Carbon / Chrome - Heavy Feed - 16 Rms Finish
		1	RA80-J5-V8	3600	A099082	34078052	Tool Room Wheel	High Carbon / Chrome - Gen Forms > .010 R - 12 Rms Finish
		1	RA80-L5-V8	3600	A099090	34078053	Tool Room Wheel	High Carbon / Chrome - Gen Forms > .010 R - 12 Rms Finish
		1	RA100-J5-V8	3600	A099104	34078054	Tool Room Wheel	High Carbon / Chrome - Forms > .008 R - 10 Rms Finish
		1	RA100-L5-V8	3600	A099112	34078055	Tool Room Wheel	High Carbon / Chrome - Forms > .008 R - 10 Rms Finish
		1	RA120-L6-V8	3600	A099139	34078056	Tool Room Wheel	High Carbon / Chrome - Fine Forms > .005 R - 8 Rms Finish
		1	RA120-N6-V1	3600	A312339	34078224	Tool Room Wheel	Hardened Steel < .005 Radius
		1	RA150-L6-V8	3600	A099155	34078057	Tool Room Wheel	High Carbon / Chrome - Fine Forms > .004 R - 6 Rms Finish
		1	8BP60-I8-V8	3600	A323176	34078353	Tool Room Wheel	Ceramic Abr. - Cool Cut, Long Life - Stls > 35 Rc - 16 Rms Finish
		1	8BP60-J8-V8	3600	A329742	34078409	Tool Room Wheel	Ceramic Abr. - Cool Cut, Long Life - Stls > 35 Rc - 16 Rms Finish
	1	8BP60-K8-V8	3600	A323174	34078351	Tool Room Wheel	Ceramic Abr. - Cool Cut, Long Life - Stls > 35 Rc - 16 Rms Finish	
	1	8BP80-K8-V8	3600	A323175	34078352	Tool Room Wheel	Ceramic Abr. - Cool Cut, Long Life - Stls > 35 Rc - 12 Rms Finish	
7 x 3/8 x 1-1/4		1	32A60-H8-VEQ	3600	A322117	34078274	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
	B Face 65 Degrees	1	WRA60-J5-V8	3600	A692450	34078479	Tool Room Wheel	Hardened Steels - 16 Rms Finish - Good Form Hold
		1	WRA60-J8-V8	3600	A648671	34078467	Tool Room Wheel	Hardened Steels - 16 Rms Finish - Good Form Hold
		1	RA60-J5-V8	3600	A011541	34077939	Tool Room Wheel	High Carbon / Chrome - Heavy Feed - 16 Rms Finish
7 x 1/2 x 1-1/4		1	A46-M5-V1	3600	A770540	34078498	Bench & Pedestal	Aluminum Oxide - Medium
		1	A60-M5-V1	3600	A028258	34077949	Bench & Pedestal	Aluminum Oxide - Fine
		1	A80-K-V25	3600	A823	34078523	Tool Room Wheel	Soft Annealed Steel
		1	WAA60-H8-V8	3600	A090468	34077985	Surface Grinding	Gen. Purpose Low Carbon & Annealed - 16 Rms Finish
		1	WAA60-J8-V8	3600	A090476	34077986	Surface Grinding	Gen. Purpose Low Carbon & Annealed - 16 Rms Finish
		1	97A46-I3-VOS	3601	K363206	34079050	Tool Room	General Purpose, Flatwork Tool Grinding
		1	97A46-I3(G+800)VOS	3600	K010	34078761	Surface Grinding	Low Carbon & Annealed - 32 Rms Finish - Open Structure
		1	97A60-I3(G+800)VOS	3600	K299	34078818	Surface Grinding	Low Carbon & Annealed - 16 Rms Finish - Open Structure
		1	97A60-J2(G+800)VOS	3600	K213	34078794	Surface Grinding	Low Carbon & Annealed - 16 Rms Finish - Open Structure
		1	WA46-H8-V8	3600	A103721	34078116	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA46-I8-V8	3600	A203874	34078197	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA46-J8-V8	3600	A103730	34078117	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA46-K8-V8	3600	A103748	34078118	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA60-H8-V8	3600	A103764	34078119	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	WA60-I8-V8	3600	A103772	34078120	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
	1	WA60-J8-V8	3600	A103780	34078121	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish	

GRINDING WHEELS 7" DIAMETER**1-800-851-1095**

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
7 x 1/2 x 1-1/4		1	WA60-K8-V8	3600	A000558	34077922	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	WA80-I8-V8	3600	A329730	34078399	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 12 Rms Finish
		1	WA80-J8-V8	3600	A103829	34078122	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 12 Rms Finish
		1	WA80-K8-V8	3600	A028495	34077951	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 12 Rms Finish
		1	WA100-I8-V8	3600	A329731	34078400	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - Forms > .008 R
		1	WA100-J8-V8	3600	A103853	34078123	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - Forms > .008 R
		1	WA100-K8-V8	3600	A103861	34078124	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - Forms > .008 R
		1	WA120-J8-V8	3600	A103888	34078125	Surface Grinding	Hardened Steel - Fine Forms
		1	WA120-K8-V8	3600	A329732	34078401	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - Fine Forms > .005 R
		1	9A46-G3(F+800C)VOS	3600	K040	34078770	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 32 Rms - Open Structure
		1	9A46-H2(G800)VOS	3600	K006	34078758	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 32 Rms - Open Structure
		1	9A46-H2-VOS	3601	K363208	34079051	Tool Room	Tool Grinding, Surfacing, Flatwork, Thin Sections
		1	9A46-I3(G+800C)VOS	3600	K051	34078775	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 32 Rms - Open Structure
		1	9A46-J3-VOS	3601	K5390	34079079	Tool Room	Tool Grinding, H.S. Steel, Roughing
		1	9A46-J3(H800C)VOS	3600	K183	34078792	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 32 Rms - Open Structure
		1	9A46-J2(H+800)VOS	3600	K013	34078764	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 32 Rms - Open Structure
		1	9A60-H2(G800)VOS	3600	K007	34078759	Surface Grinding	Hardened Steel - Better Finish - Light Downfeed
		1	9A60-J3-VOS	3601	K363210	34079052	Tool Room	Tool Grinding, Cutter Sharpening
		1	9A60-J3(H800)VOS	3600	K850	34079378	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 16 Rms - Open Structure
		1	9A60-I2(H800)VOS	3600	K082	34078784	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 16 Rms - Open Structure
		1	9A60-J2(H+800)VOS	3600	K077	34078781	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 16 Rms - Open Structure
		1	9A60-K12-V20	3601	A363244	34079014	Tool Room	Tool Grinding, Surfacing
		1	9A80-H2(G800)VOS	3600	K061	34078778	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 12 Rms Finish
		1	9A80-I2-VOS	3600	K363211	34079053	Tool Room	Tool Grinding, Surfacing, Form Work
		1	9A80-I3(G+800)VOS	3600	K074	34078780	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 12 Rms Finish
		1	9A807-K14-V35	3601	A363247	34079015	Tool Room	Tool Grinding, Cylindrical, H.S. Steel
		1	9A100-H2(G800)VOS	3600	K078	34078782	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 10 Rms Finish
		1	9A100-L5-V35	3600	† A363237	34079012	Tool Room	Hard & H.S.S. To 62Rc-Light Feed-Forms>.008 R
		1	9A120-L5-V35	3601	A363238	34079013	Tool Room	Tool Grinding, Form Grinding>.005 R
		1	9A150-N-V66	3600	A363239	34078442	Tool Room	Hard & H.S.S. To 62Rc-Light Feed-Forms>.004 R
		1	RAA46-I2-VOS	3601	K363279	34079055	Tool Room	Tool Grinding, Flatwork-Roughing
		1	RAA46-J2-VOS	3601	K363280	34079056	Tool Room	Tool Grinding, Flatwork-Roughing
		1	RAA46-J2(H800)VOS	3600	K011	34078762	Surface Grinding	Chromium & Nickel Alloys - 32 Rms Finish - Open Structure
		1	RAA462-G2(F+800)VOS	3600	K055	34078776	Surface Grinding	Chromium & Nickel Alloys - 32 Rms Finish - Open Structure
		1	RAA462-H2(G800)VOS	3600	K027	34078769	Surface Grinding	Chromium & Nickel Alloys - 32 Rms Finish - Open Structure
		1	RAA462-I2(H800)VOS	3600	K095	34078787	Surface Grinding	Chromium & Nickel Alloys - 32 Rms Finish - Open Structure
		1	RAA60-H2(G800)VOS	3600	K084	34078785	Surface Grinding	Chromium & Nickel Alloys - 16 Rms Finish - Open Structure
		1	RAA60-I2(H800)VOS	3600	K009	34078760	Surface Grinding	Chromium & Nickel Alloys - 16 Rms Finish - Open Structure
		1	RAA60-I2-VOS	3601	K5372	34079076	Tool Room	Tool Grinding, Stainless, Finishing
		1	RAA60-J2-VOS	3601	K5388	34079077	Tool Room	Tool Grinding, Stainless, Finishing
		1	RAA60-J2(H+800)VOS	3600	K012	34078763	Surface Grinding	Chromium & Nickel Alloys - 16 Rms Finish - Open Structure
		1	RAA60-K2(I800)VOS	3600	K342	34078863	Surface Grinding	Chromium & Nickel Alloys - 16 Rms Finish - Open Structure
	1	RAA80-I2(H800)VOS	3600	K457	34078868	Surface Grinding	Chromium & Nickel Alloys - 12 Rms Finish - Open Structure	
	1	RAA80-I2-VOS	3601	K363284	34079058	Tool Room	Tool Grinding, Surfacing, Cylindrical	
	1	RAA100-I2-VOS	3601	K363283	34079057	Tool Room	Tool Grinding, Under .005 Radius	
	1	RAA1002-J0-VOS	3601	K363276	34079054	Tool Room	Tool Grinding, Under .005 Radius	
	1	GC60-I5-VL	3600	A107948	34078151	Sharpening	Rough Grind - Carbide	
	1	GC60-J5-VL	3600	A107964	34078152	Sharpening	Rough Grind - Carbide	

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7" DIAMETER GRINDING WHEELS

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
7 x 1/2 x 1-1/4		1	GC602-J02-VD2	3601	K363249	34078865	Tool Room	Carbide Tools-Roughing
		1	GC80-J5-VL	3600	A107999	34078153	Sharpening	Medium Grind - Carbide
		1	GC120-I08-VD2	3601	K359364	34079041	Tool Room	Carbide Tools-Finishing
		1	GC120-I5-VL	3600	A108014	34078154	Sharpening	Finish Grind - Carbide
		1	GC120-J5-VL	3600	A108022	34078155	Sharpening	Finish Grind - Carbide
		1	32A46-G8-VEQ	3600	A320724	34078255	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-G14-VEQ	3600	K325050	34078851	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-H8-VEQ	3600	A320700	34078243	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-H14-VEQ	3600	K320698	34078832	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-I8-VEQ	3600	A320699	34078242	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-I14-VEQ	3600	K322121	34078834	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-J5-VEQ	3600	A329670	34078381	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-J8-VEQ	3600	A323753	34078355	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-J14-VEQ	3600	K322122	34078835	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-K8-VEQ	3600	A320701	34078244	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A60-G14-VEQ	3600	K320702	34078833	Surface Grinding	High Carbon Steels > 35 Rc - 16 Rms Finish - Open Structure
		1	32A60-H8-VEQ	3600	A320703	34078245	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	32A60-I8-VEQ	3600	A320704	34078246	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	32A60-J8-VEQ	3600	A320705	34078247	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	32A60-K5-VEQ	3600	A329672	34078382	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	32A60-K8-VEQ	3600	A320706	34078248	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	32A80-I8-VEQ	3600	A320707	34078249	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 12 Rms Finish
		1	32A80-K8-VEQ	3600	A320708	34078250	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 12 Rms Finish
		1	32A100-I8-VEQ	3600	A322138	34078279	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - Forms > .008 R
		1	32A100-J8-VEQ	3600	A322139	34078280	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - Forms > .008 R
		1	WRA46-H8-V8	3600	A752240	34078488	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA46-I8-V8	3600	A751685	34078487	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA46-J8-V8	3600	A672181	34078472	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA46-K8-V8	3600	A747386	34078485	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA60-H8-V8	3600	A618489	34078463	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	WRA60-I5-V8	3600	A618497	34078464	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	WRA60-J8-V8	3600	A672190	34078473	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	WRA60-J11-V8	3600	K683981	34078874	Surface Grinding	High Chromium Die Stls - 16 Rms Finish - Open Structure
		1	WRA60-K8-V8	3600	A672203	34078474	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	WRA80-J8-V8	3600	A672211	34078475	Surface Grinding	High Chromium Die Stls - Med. Feeds - 12 Rms Finish
		1	WRA80-K8-V8	3600	A754552	34078491	Surface Grinding	High Chromium Die Stls - Med. Feeds - 12 Rms Finish
		1	RA46-G800-VOS	3600	K276278	34078803	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
		1	RA46-H8-V8	3600	A100129	34078058	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA46-H800-VOS	3600	K286951	34078805	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
		1	RA46-I8-V8	3600	A003220	34077927	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA46-I800-VOS	3600	K286952	34078806	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
		1	RA46-J8-V8	3600	A100137	34078059	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA60-F8-V8	3600	A698938	34078480	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
		1	RA60-G800-VOS	3600	K293517	34078815	Surface Grinding	High Carbon / Chrome - Heavy Feed - 16 Rms - Open Structure
		1	RA60-H8-V8	3600	A100153	34078060	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
		1	RA60-H800-VOS	3600	K286955	34078807	Surface Grinding	High Carbon / Chrome - Heavy Feed - 16 Rms - Open Structure
		1	RA60-I5-V8	3600	A100161	34078061	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
	1	RA60-I800-VOS	3600	K286956	34078808	Surface Grinding	High Carbon / Chrome - Heavy Feed - 16 Rms - Open Structure	
	1	RA60-J8-V8	3600	A200263	34078193	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish	

GRINDING WHEELS 7" DIAMETER

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DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
7 x 1/2 x 1-1/4 (Cont.)	Face B 65 Degrees	1	RA60-J8-V8	3600	A000590	34077923	Tool Room Wheel	High Carbon / Chrome - Heavy Feed - 16 Rms Finish
		1	RA60-K8-V8	3600	A028320	34077950	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
		1	RA80-J8-V8	3600	A100196	34078062	Surface Grinding	High Carbon / Chrome - Heavy Feed - Gen Forms > .010 R
		1	RA80-L8-V8	3600	A100200	34078063	Surface Grinding	High Carbon / Chrome - Heavy Feed - Gen Forms > .010 R
		1	RA100-J8-V8	3600	A100226	34078064	Surface Grinding	High Carbon / Chrome - Forms > .008 R - 10 Rms Finish
		1	RA100-L8-V8	3600	A100234	34078065	Surface Grinding	High Carbon / Chrome - Forms > .008 R - 10 Rms Finish
		1	RA120-J8-V8	3600	A100250	34078066	Surface Grinding	High Carbon / Chrome - Fine Forms > .005 R - 8 Rms Finish
		1	RA120-L8-V8	3600	A100285	34078067	Surface Grinding	High Carbon / Chrome - Fine Forms > .005 R - 8 Rms Finish
		1	8BW46-H8-V8	3600	A327004	34078376	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - Steels > 35 Rc - 32 Rms Fin.
		1	8BW46-I8-V8	3600	A322667	34078328	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - Steels > 35 Rc - 32 Rms Fin.
		1	8BW60-I8-V8	3600	A323050	34078333	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - Steels > 35 Rc - 16 Rms Fin.
		1	8BP46-G800-VOS	3600	K329743	34078852	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 32 Rms - Open Structure
		1	8BP46-H800-VOS	3600	K323163	34078845	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 32 Rms - Open Structure
		1	8BP46-I8-V8	3600	A322483	34078323	Surface Grinding	Ceramic Abr. - Long Life - High Carbon/Chrome Stls - 32 Rms Fin.
		1	8BP46-I800-VOS	3600	K324551	34078849	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 32 Rms - Open Structure
		1	8BP46-J8-V8	3600	A323162	34078343	Surface Grinding	Ceramic Abr. - Long Life - High Carbon/Chrome Stls - 32 Rms Fin.
		1	8BP46-K8-V8	3600	A322645	34078327	Surface Grinding	Ceramic Abr. - Long Life - High Carbon/Chrome Stls - 32 Rms Fin.
		1	8BP60-G800-VOS	3600	K329745	34078853	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 16 Rms - Open Structure
		1	8BP60-H8-V8	3600	A329746	34078410	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 16 Rms Fin.
		1	8BP60-H800-VOS	3600	K323158	34078844	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 16 Rms - Open Structure
		1	8BP60-I8-V8	3600	A322516	34078324	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 16 Rms Fin.
		1	8BP60-J8-V8	3600	A322240	34078322	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 16 Rms Fin.
		1	8BP60-K8-V8	3600	A321716	34078259	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 12 Rms Fin.
		1	8BP80-I8-V8	3600	A322959	34078332	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 12 Rms Fin.
		1	8BP80-J8-V8	3600	A323159	34078340	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 12 Rms Fin.
		1	8BP80-K8-V8	3600	A321715	34078258	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 12 Rms Fin.
		1	7BP46-J8-V8	3600	A323160	34078341	Surface Grinding	Ceramic Abr. - Heavy Feed, Good Form - 32 Rms Finish
		1	7BP60-I8-V8	3600	A322825	34078331	Surface Grinding	Ceramic Abr. - Heavy Feed, Good Form - 16 Rms Finish
1	7BP60-J8-V8	3600	A323161	34078342	Surface Grinding	Ceramic Abr. - Heavy Feed, Good Form - 16 Rms Finish		
7 x 3/4 x 1-1/4		1	A36-M5-V1	3600	A290548	34078206	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A46-M5-V1	3600	A090557	34077987	Bench & Pedestal	Aluminum Oxide - Medium
		1	A60-M5-V1	3600	A090573	34077988	Bench & Pedestal	Aluminum Oxide - Fine
		1	WA46-H8-V8	3600	A103918	34078126	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	9A46-H2(G800)VOS	3600	K164	34078791	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 32 Rms - Open Structure
		1	9A60-J2(H+800)VOS	3600	KQ87	34078882	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 16 Rms - Open Structure
		1	RAA46-H2(G800)VOS	3600	K081	34078783	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
		1	GC60-J5-VL	3600	A108030	34078156	Sharpening	Rough Grind - Carbide
		1	GC120-I08-VD2	3601	K363313	34079059	Sharpening	Carbide Tools-Finishing
		1	GC120-J5-VL	3600	A108065	34078157	Sharpening	Finish Grind - Carbide
		1	32A46-H8-VEQ	3600	A322130	34078275	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-I8-VEQ	3600	A320709	34078251	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-K5-VEQ	3600	A329673	34078383	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-K8-VEQ	3600	A322131	34078276	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A60-I8-VEQ	3600	A322132	34078277	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	32A60-K8-VEQ	3600	A322133	34078278	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	RA46-J8-V8	3600	A100455	34078074	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA60-G800-VOS	3600	K299778	34078823	Surface Grinding	High Carbon / Chrome - Heavy Feed - 16 Rms - Open Structure
		1	RA60-J8-V8	3600	A100315	34078068	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
			1/S 2-3/4 x 1/4	5	WA46-H5-V8	3600	F318891	34078643

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7" DIAMETER GRINDING WHEELS

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
7 x 3/4 x 1-1/4 (Cont.)	1/S 3 x 1/4	5	WA60-I5-V8	3600	F302343	34078642	Surface Grinding	Hardened Steel - Better Finish - Light Downfeed
	REC 1/S 3-1/2 X 1/4	5	9A60-J3-VOS	3601	M363350	34079092	Tool Room	Tool Grinding, Surfacing
	1/S 3-1/2 x 1/4	5	RAA46-H2(G800)VOS	3600	M937	34078900	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
	REC 1/S 3 X 1/4	5	RAA60-I2-VOS	3601	M363065	34079090	Tool Room	Tool Grinding, Flatwork, Stainless, Finishing
	1/S 3-1/2 x 1/4	5	RAA60-I2(H800)VOS	3600	M938	34078901	Surface Grinding	Chromium & Nickel Alloys - 16 Rms Finish - Open Structure
	1/S 2-3/4 x 1/4	5	32A60-I8-VEQ	3600	F320714	34078644	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
	1/S 3 x 1/4	5	RA46-H800-VOS	3600	M299780	34078895	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
	1/S 3 x 1/4	5	RA60-J8-V8	3600	F186201	34078634	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
7 x 3/4/7/16 x 1-1/4	B/P D3343	12	RAA60-J2(H+800)VOS	3600	M009	34078886	Tool & Cutter	M-2, M-7, M42, & Chromium Alloys - 16 Rms - Open Structure
	B/P 2628	12	RA60-J5-V8	3550	F888222	34078690	Tool & Cutter	High Carbon / Chrome - Heavy Feed - 16 Rms - Good Finish
7 x 7/8 x 1/2	B/P 2232	99	WA60-L5-V8-SS	3550	F103942	34078629	Drill Grinding	Black Diamond - Hi-Speed Steel
7 x 1 x 5/8		1	C80-H6-V4	3600	† A318863	34078235	Bench & Pedestal	Medium Grind - Carbide
7 x 1 x 1-1/4		1	A24-P-V20	3600	A363330	34078445	Bench & Pedestal	Snagging-Low Speed
		1	A36-M5-V1	3600	A090638	34077990	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A36-O-V20	3601	A363331	34079025	Bench & Pedestal	Offhand Grinding-Roughing
		1	A46-M5-V1	3600	A090611	34077989	Bench & Pedestal	Aluminum Oxide - Medium
		1	A60-M5-V1	3600	A090719	34077992	Bench & Pedestal	Aluminum Oxide - Fine
		1	A80-M5-V1	3600	A090670	34077991	Bench & Pedestal	Aluminum Oxide - Very Fine
		1	97A46-N-V20	3601	A363327	34079022	Bench & Pedestal	Tool Grinding H.S. Steel-Roughing
		1	97A60-M-V20	3601	A363328	34079023	Bench & Pedestal	Tool Grinding H.S. Steel-Finish
		1	97A80-L-V20	3601	A363329	34079024	Bench & Pedestal	Tool Grinding H.S. Steel-High Finish
		1	WA46-H8-V8	3600	A103950	34078127	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA60-J8-V8	3600	A917885	34078540	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	GC60-J5-VL	3600	A108081	34078158	Sharpening	Rough Grind - Carbide
		1	GC602-J02-VD2	3601	K359365	34079042	Sharpening	Carbide Tools-Finishing
		1	GC80-J5-VL	3600	A108111	34078160	Sharpening	Medium Grind - Carbide
		1	GC120-J5-VL	3600	A108090	34078159	Sharpening	Finish Grind - Carbide
		1	GC120-I08-VD2	3601	K363333	34079062	Sharpening	Carbide Tools-Roughing
		1	WRA60-J5-V8	3600	A868370	34078531	Surface Grinding	Hardened Steel - Better Finish - Medium Downfeed
		1	WRA80-J5-V8	3600	A007722	34077933	Surface Grinding	Hardened Steel - Fine Finish - Medium Downfeed
		1	RA46-J8-V8	3600	A100331	34078069	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA60-J8-V8	3600	A200352	34078194	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
	1/S 2-3/4 x 1/2	5	WA46-H5-V8	3600	F293721	34078638	Surface Grinding	Hardened Steel - Good Finish - Light Downfeed
	1/S 3 x 1/2	5	WA46-I8-V8	3600	F329733	34078663	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
	1/S 3 x 1/2	5	WA60-I8-V8	3600	F329734	34078664	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
	1/S 3-1/2 x 1/2	5	9A46-H2(G800)VOS	3600	M939	34078902	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 32 Rms - Open Structure
	1/S 3-1/2 x 1/2	5	9A60-H2(G800)VOS	3600	M940	34078903	Surface Grinding	Hardened Steel - Better Finish - Light Downfeed
	1/S 2-3/4 x 1/2	5	RAA46-H2(G800)VOS	3600	M021	34078887	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
	1/S 3-1/2 x 1/2	5	RAA46-H2(G800)VOS	3600	M920	34078898	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
	1/S 3-1/2 x 1/2	5	RAA60-I2(H800)VOS	3600	M941	34078904	Surface Grinding	Chromium & Nickel Alloys - 16 Rms Finish - Open Structure
	REC 1/S 3 X 1/2	5	RAA60-I3-VOS	3601	M362698	34079089	Tool Room	Tool Grinding, Flatwork, Stainless, Finishing
	1/S 3 x 1/2	5	32A46-H8-VEQ	3600	F320715	34078645	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
	1/S 3 x 1/2	5	32A46-H14-VEQ	3600	M322184	34078897	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
	1/S 3 x 1/2	5	32A46-I8-VEQ	3600	F322185	34078652	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
	1/S 3 x 1/2	5	32A60-I8-VEQ	3600	F322186	34078653	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
	1/S 2-3/4 x 1/2	5	WRA46-H5-V8	3600	F752100	34078679	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
	1/S 2-3/4 x 1/2	5	WRA46-I5-V8	3600	F214876	34078636	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
	1/S 3 x 1/2	5	RA46-G800-VOS	3600	M299783	34078896	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
	1/S 3 x 1/2	5	RA46-I5-V8	3600	F466557	34078666	Surface Grinding	Hardened Steel - Good Finish - Heavy Downfeed

GRINDING WHEELS 7 to 8" DIAMETER

1-800-851-1095

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION			
7 x 1 x 1-1/4 (Cont.)	1/S 3 x 1/2	5	RA46-J8-V8	3600	F005894	34078582	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish			
	1/S 3 x 1/2	5	RA60-J8-V8	3600	F010278	34078583	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish			
7 x 1-1/2 x 5	B/P 16428	53	GC60-K14-VL	3547	J780944	34078752	Plate Mtd Tool Sharpen	Criterion, Prosser - Rough Grind - Carbide			
7 x 2-1/2 x 3.063	5/8R 5/8B	6	RAA46H3(G800C)VOS-SS	3550	M077	34078888	Surface Grinding	Swisher - Hardened Steel - Good Finish - Medium Downfeed			
7 x 3 x 1-1/4	1/2R 3/4B	6	8A54-H7-B35	3600	U352034	34079003	Surface Grinding	Medina End Grinder - Hardened Tool Steel - Good Finish			
	1/2R 3/4B	6	8A362-K7-B35	3600	U352861	34079004	Surface Grinding	Medina End Grinder - General Purpose			
8 x 1/32 x 1-1/4		1	A60-Q6-B	5968	Q362782	34079116	Non-Reinforced Cut Off	Cutting Off, Slotting, Grooving			
8 x 1/32 x 1-1/4		1	A70-O5-B20	6780	S077852	34079132	Non-Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free			
8 x .035 x 5/8		1	A60TB(F8)	7640	7315885	34079275	Reinforced Cut-Off	Bench Top Chop Saw - Fine Finish, Burr Free, Tubing			
8 x 1/16 x 1/2		1	A46-P5-B20	6780	S078000	34079133	Non-Reinforced Cut-Off	Tool Room - General Purpose			
8 x 1/16 x 5/8		1	A36TB(F8)	7640	7315889	34079278	Reinforced Cut-Off	Bench Top Chop Saw - Fast Cutting, Good Life			
			A60TB(F8)	7640	7315886	34079276	Reinforced Cut-Off	Bench Top Chop Saw - Fine Finish, Burr Free, Tubing			
8 x 1/16 x 7/8		1	A36TB(F8)	7640	7315890	34079279	Reinforced Cut-Off	Bench Top Chop Saw - Fast Cutting, Good Life			
			A60TB(F8)	7640	7315887	34079277	Reinforced Cut-Off	Bench Top Chop Saw - Fine Finish, Burr Free, Tubing			
8 x 1/16 x 1-1/4		1	A46-P5-B20	7640	S078034	34079134	Non-Reinforced Cut-Off	Tool Room - General Purpose			
			A70-O5-B20	5729	S055000	34079120	Non-Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free			
			A60-S5-B20F8	7640	T314466	34079164	Reinforced Cut-Off	Tool Room - Hard Materials - Burr Free			
8 x 3/32 x 1-1/4		1	A465-O5-B20	6780	S078158	34079135	Non-Reinforced Cut-Off	Saw Gumming - Resin Bonded Wheels			
8 x 1/8 x DIA(5/8)	Metal	1	A24TB(F8)	7600	7315895	34079280	Reinforced Cut-Off	Portable Circular Saw - Metal - Fast Aggressive Cutting			
8 x 1/8 x 1-1/4		1	A30-R5-B20	5729	S335060	34079151	Saw Sharpening	Saw Gumming - Resin Bonded Wheels			
			A46-P5-B20	6780	S078263	34079136	Non-Reinforced Cut-Off	Tool Room - General Purpose			
			A465-O5-B60	4540	S213004	34079148	Saw Sharpening	Saw Gumming - Resin Bonded Wheels Delete			
8 x 3/16 x 1-1/4		1	A46-M5-V1	3600	A918865	34078541	Saw Sharpening	General Purpose			
8 x 1/4 x 1-1/4		1	A60-M5-V1	3600	A090760	34077993	Saw Sharpening	General Purpose			
			WA60-I8-V8	3600	A329735	34078402	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish			
			WA60-J5-V8	3600	A692131	34078478	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - Forms > .016 R			
			WA60-L5-V8	3600	A104094	34078131	Tool Room Wheel	Hardened Steel - Better Finish - Light Downfeed			
			WA80-K8-V8	3600	A329736	34078403	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - 12 Rms Finish			
			WA100-K8-V8	3600	A317266	34078231	Tool Room Wheel	Hardened Steel - General Forms			
			WA120-K8-V8	3600	A329737	34078404	Tool Room Wheel	Hard & H.S.S. to 62 Rc - Light Feed - 8 Rms Finish			
			9A807-K14-V35	3605	A362760	34078440	Tool Room	Tool Grinding, Under .010 Radius			
			THK. TOL. + .031 - .000		1	RAA1002-J0-VOS	3605	K362762	34079045	Tool Room	Tool Grinding Under .005 Radius
			1	32A46-H8-VEQ	3600	A322141	34078281	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish		
1	32A60-H8-VEQ	3600	A329674	34078384	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish					
1	32A60-I8-VEQ	3600	A322143	34078282	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish					
1	32A60-J8-VEQ	3600	A322144	34078283	Tool Room Wheel	Hardened Steel - Better Finish - Medium Downfeed					
1	32A60-K8-VEQ	3600	A322145	34078284	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish					
1	32A80-I8-VEQ	3600	A322146	34078285	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 12 Rms Finish					
1	32A80-K8-VEQ	3600	A322147	34078286	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - 12 Rms Finish					
1	32A100-I8-VEQ	3600	A322148	34078287	Tool Room Wheel	High Carbon Steels > 35 Rc - Med Feeds - Forms > .008 R					
1	WRA46-K5-V8	3600	A876933	34078532	Tool Room Wheel	Hardened Steels - 32 Rms Finish - Good Durability					
1	WRA60-K5-V8	3600	A816469	34078518	Tool Room Wheel	Hardened Steels - 16 Rms Finish - Good Form Hold					
1	RA46-J5-V8	3600	A000248	34077920	Tool Room Wheel	High Carbon / Chrome - Heavy Feed - 32 Rms Finish					
1	RA46-L5-V8	3600	A184152	34078188	Tool Room Wheel	Hardened Steel - Good Finish - Heavy Downfeed					
1	RA60-J5-V8	3600	A030031	34077952	Tool Room Wheel	High Carbon / Chrome - Heavy Feed - 16 Rms Finish					
1	RA100-L5-V8	3600	A920339	34078544	Tool Room Wheel	High Carbon / Chrome - Forms > .008 R - 10 Rms Finish					
1	A46-M5-V1	3600	A097179	34078039	Bench & Pedestal	Soft Annealed Steel					

1-800-851-1095

8" DIAMETER GRINDING WHEELS

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
8 x 3/8 x 1-1/4 (Cont.)		1	A60-M5-V1	3600	A142778	34078178	Bench & Pedestal	Hardened Steel - Better Finish - Heavy Downfeed
		1	RA60-J5-V8	3600	A030341	34077953	Tool Room Wheel	High Carbon / Chrome - Heavy Feed - 16 Rms Finish
8 x 1/2 x 1-1/4		1	A46-M5-V1	3600	A065080	34077962	Bench & Pedestal	Rough Grind - Carbide
		1	A60-M5-V1	3600	A065137	34077963	Bench & Pedestal	Hardened Steel - Good Finish - Heavy Downfeed
		1	97A46-J3(H800C)VOS	3600	K445	34078867	Surface Grinding	General Purpose
		1	WA46-H8-V8	3600	A104035	34078128	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA46-I5-V8	3600	A863831	34078530	Surface Grinding	Hardened Steel - Good Finish - Light Downfeed
		1	WA46-I8-V8	3600	A264373	34078203	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA46-J8-V8	3600	A104051	34078129	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA46-K8-V8	3600	A329738	34078405	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA60-H8-V8	3600	A307635	34078219	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	WA60-I8-V8	3600	A329739	34078406	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	WA60-J8-V8	3600	A104086	34078130	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	WA60-K8-V8	3600	A009059	34077935	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	WA80-J8-V8	3600	A104116	34078132	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 12 Rms Finish
		1	WA80-K5-V8	3600	A329740	34078407	Surface Grinding	Hardened Steel - Fine Finish - Light Downfeed
		1	9A46-H2(G800)VOS	3600	K092	34078786	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 32 Rms - Open Structure
		1	9A46-J3(G+800C)VOS	3600	K162	34078790	Surface Grinding	Hardened Steel - Good Finish - Light Downfeed
		1	9A46-H2-VOS	3605	K363369	34079069	Tool Room	Tool Grinding, Surfacing, Flawork, Thin Sections
		1	9A46-J3-VOS	3605	K363370	34079070	Tool Room	Tool Grinding, H.S. Steel, Roughing
		1	9A60-H2(G800)VOS	3600	K106	34078788	Surface Grinding	Hardened Steel - Better Finish - Light Downfeed
		1	9A60-J3-VOS	3605	K5424	34079082	Tool Room	Tool Grinding, Cutter Sharpening
	1	9A807-K14-V35	3600	A363360	34078446	Tool Room	Tool Grinding, Cylindrical, H.S. Steel	
	1	RAA46-G2(F+800)VOS	3600	K230	34078796	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed	
	1	RAA46-H2(G800)VOS	3600	K026	34078768	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed	
	1	RAA46-H3(G800C)VOS	3600	K056	34078777	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed	
	1	RAA46-I2-VOS	3605	K5442	34079086	Tool Room	Tool Grinding, Flatwork-Roughing	
	1	RAA46-I2(H800)VOS	3600	K014	34078765	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed	
8 x 1/2 x 1-1/4		1	RAA46-J2(H+800)VOS	3600	K356	34078864	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
		1	RAA60-I2-VOS	3605	K5441	34079084	Tool Room	Tool Grinding, H.S.S. & Stainless, Flatwork
		1	RAA60-I2(H800)VOS	3600	K015	34078766	Surface Grinding	Chromium & Nickel Alloys - 16 Rms Finish - Open Structure
		1	RAA60-J1(I+800)VOS	3600	KA69	34078879	Surface Grinding	Hardened Steel - Better Finish - Medium Downfeed
		1	RAA80-I2-VOS	3605	K363372	34079071	Tool Room	Tool Grinding, Surfacing, H.S.S.
THK. TOL. + .031 - .000								
	1	RAA1002-J0-VOS	3605	K363362	34079068	Tool Room	Tool Grinding, Under .005 Radius	
	1	GC60-J5-VL	3600	A108120	34078161	Sharpening	Hardened Steel - Good Finish - Heavy Downfeed	
	1	32A46-G8-VEQ	3600	A329676	34078385	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish	
	1	32A46-G14-VEQ	3600	K322151	34078836	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish	
	1	32A46-H8-VEQ	3600	A320710	34078252	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish	
	1	32A46-H14-VEQ	3600	K322152	34078837	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish	
	1	32A46-I8-VEQ	3600	A320711	34078253	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish	
	1	32A46-J5-VEQ	3600	A325053	34078365	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish	
	1	32A46-J8-VEQ	3600	A322153	34078288	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed	
	1	32A46-K8-VEQ	3600	A322154	34078289	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish	
	1	32A60-H8-VEQ	3600	A322157	34078290	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish	
	1	32A60-I8-VEQ	3600	A320712	34078254	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish	
	1	32A60-J8-VEQ	3600	A322200	34078321	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish	

GRINDING WHEELS 8" DIAMETER

1-800-851-1095

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
8 x 1/2 x 1-1/4 (Cont.)		1	32A60-K8-VEQ	3600	A322159	34078291	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	32A80-I8-VEQ	3600	A322160	34078292	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 12 Rms Finish
		1	32A80-K8-VEQ	3600	A322161	34078293	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 12 Rms Finish
		1	WRA46-H8-V8	3600	A859710	34078528	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA46-I5-V8	3600	A796760	34078510	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
		1	WRA46-J8-V8	3600	A717479	34078481	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA46-K8-V8	3600	A761613	34078494	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA60-H8-V8	3600	A622834	34078465	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	WRA60-J8-V8	3600	A765031	34078497	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	WRA60-K8-V8	3600	A734527	34078484	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	WRA80-K8-V8	3600	A810665	34078515	Surface Grinding	High Chromium Die Stls - Med. Feeds - 12 Rms Finish
		1	RA46-G800-VOS	3600	K289027	34078809	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
		1	RA46-H8-V8	3600	A100366	34078070	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA46-H800-VOS	3600	K292567	34078811	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
		1	RA46-I800-VOS	3600	K293516	34078814	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
		1	RA46-J8-V8	3600	A100374	34078071	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA60-G800-VOS	3600	K293518	34078816	Surface Grinding	High Carbon / Chrome - Heavy Feed - 16 Rms - Open Structure
		1	RA60-H8-V8	3600	A200395	34078195	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
		1	RA60-H800-VOS	3600	K289028	34078810	Surface Grinding	High Carbon / Chrome - Heavy Feed - 16 Rms - Open Structure
		1	RA60-J8-V8	3600	A100412	34078072	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
		1	RA60-K8-V8	3600	A030562	34077954	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
		1	RA80-I8-V8	3600	A300551	34078210	Surface Grinding	High Carbon / Chrome - Heavy Feed - Gen Forms > .010 R
		1	RA80-J8-V8	3600	A100447	34078073	Surface Grinding	High Carbon / Chrome - Heavy Feed - Gen Forms > .010 R
		1	RA100-J8-V8	3600	A196584	34078191	Surface Grinding	High Carbon / Chrome - Forms > .008 R - 10 Rms Finish
		1	8BW46-H8-V8	3600	A325935	34078372	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - Steels > 35 Rc - 32 Rms Finish
		1	8BP46-G800-VOS	3600	K329747	34078854	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 32 Rms - Open Structure
		1	8BP46-H800-VOS	3600	K323164	34078846	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 32 Rms - Open Structure
		1	8BP46-I8-V8	3600	A323167	34078344	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 32 Rms Fin.
		1	8BP46-J8-V8	3600	A322642	34078326	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 32 Rms Fin.
		1	8BP46-K8-V8	3600	A323168	34078345	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 32 Rms Fin.
		1	8BP60-G800-VOS	3600	K329748	34078855	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 16 Rms - Open Structure
		1	8BP60-H800-VOS	3600	K323165	34078847	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 16 Rms - Open Structure
		1	8BP60-I8-V8	3600	A323169	34078346	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 16 Rms Fin.
	1	8BP60-I800-VOS	3600	K323166	34078848	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 16 Rms - Open Structure	
	1	8BP60-J8-V8	3600	A323170	34078347	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 16 Rms Fin.	
	1	8BP60-K8-V8	3600	A323171	34078348	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 12 Rms Fin.	
	1	8BP80-J8-V8	3600	A323172	34078349	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 12 Rms Fin.	
	1	8BP80-K8-V8	3600	A323173	34078350	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 12 Rms Fin.	
8 x 3/4 x 1-1/4		1	A46-M5-V1	3600	A090972	34077994	Bench & Pedestal	Aluminum Oxide - Medium
		1	A60-M5-V1	3600	A066397	34077964	Bench & Pedestal	Aluminum Oxide - Fine
		1	WA46-H8-V8	3600	A104248	34078134	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA46-J8-V8	3600	A104140	34078133	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA60-J8-V8	3600	A142115	34078176	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	9A46-J3-VOS	3605	K362780	34079048	Tool Room	Tool Grinding, H.S. Steel, Roughing
		1	9A46-J3(H800C)VOS	3600	K017	34078767	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 32 Rms - Open Structure
		1	RAA46-I2-VOS	3605	K362777	34079047	Tool Room	Tool Grinding, Flatwork-Roughing
		1	RAA80-I2-VOS	3605	K362775	34079046	Tool Room	Tool Grinding, Surfacing, Cylindrical
		1	GC60-J5-VL	3600	A017302	34077941	Sharpening	Rough Grind - Carbide
	1	GC120-J5-VL	3600	A108162	34078162	Sharpening	Finish Grind - Carbide	

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8" DIAMETER GRINDING WHEELS

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
8 x 3/4 x 1-1/4 (Cont.)		1	32A46-G14-VEQ	3600	K322158	34078838	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-H8-VEQ	3600	A322163	34078294	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-I8-VEQ	3600	A322164	34078295	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-J8-VEQ	3600	A322165	34078296	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
		1	32A60-J8-VEQ	3600	A322167	34078297	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	32A60-K8-VEQ	3600	A322168	34078298	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	WRA46-H8-V8	3600	A982032	34078548	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA46-J8-V8	3600	A776564	34078499	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA60-J8-V8	3600	A808164	34078514	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	WRA80-J8-V8	3600	A817767	34078521	Surface Grinding	High Chromium Die Stls - Med. Feeds - 12 Rms Finish
		1	RA46-G800-VOS	3600	K299348	34078819	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
		1	RA46-J8-V8	3600	A100471	34078075	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA60-G800-VOS	3600	K299787	34078824	Surface Grinding	High Carbon / Chrome - Heavy Feed - 16 Rms - Open Structure
		1	RA60-J8-V8	3600	A100480	34078076	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
		1	8BP46-I8-V8	3600	A323145	34078334	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 32 Rms Fin.
	1	8BP46-J8-V8	3600	A322519	34078325	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 32 Rms Fin.	
	1	8BP60-I8-V8	3600	A323147	34078335	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 16 Rms Fin.	
	1	8BP60-J8-V8	3600	A323148	34078336	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 16 Rms Fin.	
	1	8BP60-K8-V8	3600	A323149	34078337	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 12 Rms Fin.	
8 x 1 x 1		1	GC60-G800-V4	3600	K316379	34078830	Bench & Pedestal	Rough Grind - Carbide
8 x 1 x 1-1/4		1	A36-M5-V1	3600	A085626	34077967	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A36-O5-V1	3600	A091138	34077995	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A46-M5-V1	3600	A087416	34077968	Bench & Pedestal	Aluminum Oxide - Medium
		1	A60-M-V20	3605	† A361180	34079008	Bench & Pedestal	Offhand Grinding-Finishing
		1	A60-M5-V1	3600	A091243	34077996	Bench & Pedestal	Aluminum Oxide - Fine
		1	A80-M5-V1	3600	A091260	34077997	Bench & Pedestal	Aluminum Oxide - Very Fine
		1	C60-H8-V4	3600	A318867	34078236	Bench & Pedestal	Rough Grind - Carbide
		1	97A60-M-V20	3605	A363353	34079026	Bench & Pedestal	Tool Grinding, H.S. Steel- Finish
		1	WA46-J8-V8	3600	A204188	34078198	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	GC60-J5-VL	3600	A108189	34078163	Sharpening	Rough Grind - Carbide
		1	GC602-J02-VD2	3605	K363357	34079067	Sharpening	Carbide Tools-Roughing
		1	GC80-J5-VL	3600	A108227	34078164	Sharpening	Medium Grind - Carbide
		1	GC120-I08-VD2	3605	K363356	34079066	Sharpening	Carbide Tools-Finishing
		1	GC120-J5-VL	3600	A108243	34078165	Sharpening	Finish Grind - Carbide
		1	RA46-J8-V8	3600	A100510	34078077	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
	1	RA60-J8-V8	3600	A139467	34078175	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish	
	1/5 3-1/4 x 1/2	5	32A46-I8-VEQ	3600	G329678	34078714	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
8 x 1-1/2 x 1-1/4		1	A46-M5-V1	3600	† A091405	34077998	Bench & Pedestal	Aluminum Oxide - Medium
8 x T/1-1/2 x 4-1/2	B/P 23818	51	WAA60-L5-V8	3105	G049441	34078694	Drill Grinding	Mohawk - Hi-Speed Steel
8/3 x 1-9/16 x 1-1/4	B/P 1466	99	WA46-J5-V8-SS	3600	G105228	34078697	Saw Sharpening	Yates American - High Carbon Saw Steel - Light Feeds
	B/P 1466	99	RA46-J5-V8-SS	3600	G903710	34078728	Saw Sharpening	Yates American - Tough Ruby Abrasive
8/3-1/4 x 1-3/4 x 1-1/4	3/4R 3/4B B/P12893	11	RA46-H5-V8	3600	G931250	34078729	Saw Sharpening	Tough Ruby Abrasive
8 x 2 x 5-1/2	B/P 16436	53	WAA46-K5-V8	2865	J096555	34078740	Drill Grinding	Sellers - Hi-Speed Steel
8 x 3 x 3.300	1/2R 3/4B	6	RAA36-H3(G800)VOS	2865	N577	34078922	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
	1/2R 3/4B	6	RAA36-N3(J800F)VOS	2865	N002	34078905	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
8 x 3-1/2 x 1-1/2	1R 1B	6	WA46-I5-V8	2865	G031763	34078693	Knife Grinding	Cool Cutting White Abrasive
8 x 3-1/2 x 1-3/4	1R 1B	6	WA46-J5-V8	2865	G888710	34078727	Knife Grinding	Cool Cutting White Abrasive
8 x 4 x 1-3/4	1R 1B	6	WA46-I5-V8	2865	G199230	34078705	Knife Grinding	Cool Cutting White Abrasive
	1R 1B	6	WA46-J5-V8	2865	G343510	34078721	Knife Grinding	Cool Cutting White Abrasive

GRINDING WHEELS 8"to 10" DIAMETER

1-800-851-1095

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
8 x 4 x 2	1R 1B	6	WA46-I5-V8	2865	G338281	34078720	Knife Grinding	Cool Cutting White Abrasive
225 x 5 x 60 MM		1	RAA60-J-V8	2760	A294683	34078207	Saw Sharpening	Multi-Purpose
9 x 1/16 x 1-1/4		1	4A601-S8-RB6	6790	S807	34079160	Metallurgical Specimens	Medium Hard Steels Rc35-50
9 x 1/8 x 5/8-11		27	A24TB(F)	6500	7316226	34079364	Depressed Center	Fast Stock Removal - Weld Applications
		27	ZA24-TB	6600	7425100	20051956	Depressed Center	High Performance - Weld Applications
9 x 1/8 x 7/8		27	A24TB(F)	6500	7316224	34079362	Depressed Center	Fast Stock Removal - Weld Applications
		27	ZA24-TB	6600	7425099	20052059	Depressed Center	High Performance - Weld Applications
9 x 1/4 x 5/8-11		27	A24TB(F)	6030	7316227	34079365	Depressed Center	Fast Stock Removal - Weld Applications
		27	C24TB(F)	6030	† 7316232	20052189	Depressed Center	Aggr. Cutting - Concrete, Masonry, Cast Iron, Non-Ferrous Metals
9 x 1/4 x 5/8-11		27	ZA24-TB	6600	† 7425102	34079373	Depressed Center	High Performance - Weld Applications
		28	A24TB(F8)	6030	7316236	34079370	Depressed Center	Fast Stock Removal - Weld Applications
9 x 1/4 x 7/8		27	A24TB(F)	6030	7316225	34079363	Depressed Center	Fast Stock Removal - Weld Applications
9 x 1/4 x 7/8		27	ZA24-TB	6600	† 7425101	34079372	Depressed Center	High Performance - Weld Applications
		28	A24TB(F8)	6500	7316235	34079369	Depressed Center	Fast Stock Removal - Weld Applications
9 x 2 x 5	B/P 16430	53	WAA46-L5-V1	2550	J292909	34078748	Sharpening	Oliver - Plate Mtd Tool - General Purpose
	B/P D1517	53	97A54-K2(I800)VOS	2550	J004	34078730	Sharpening	Oliver - Plate Mtd Tool - General Purpose
	B/P 16430	53	WA46-L5-V8	2550	J096571	34078741	Sharpening	Oliver - Plate Mtd Tool - Hi-Speed Steel
	B/P 16430	53	32A46-M5-VEQ	2550	J329679	34078750	Sharpening	Oliver - Plate Mtd Tool - General Purpose
	B/P 16430	53	32A70-J14-VEQ	2550	J329680	34078751	Sharpening	Oliver - Plate Mtd Tool - Hi-Speed Steel
	B/P 16430	53	RA46-L5-V8	2550	J074179	34078735	Sharpening	Oliver - Plate Mtd Tool - Hi-Speed Steel
9 x 4 x 4	Rec 2/s 5-1/2 x 5/8	7	A80-R-R242		4006	34079209	Feed Wheel	General Purpose
9-1/2 x 1-1/2 x 1-1/2	1-1/2R 3/4B	6	A46-L8-V8	2415	G318648	34078712	Tool & Cutter	General Purpose
10 x 1/16 x 5/8		1	A46-P5-B20	4584	S078808	34079137	Non-Reinforced Cut-Off	General Purpose
		1	A70-O5-B20	4584	S104531	34079141	Non-Reinforced Cut-Off	General Purpose
		1	TA36TB(F8)	6100	7316000	34079316	Reinforced Cut-Off	Stationary Cut-Off Saw - Fast Cool Cutting, General Shop Use
		1	TA30RB(F8)	6100	T315999	34079174	Reinforced Cut-Off	Stationary Cut-Off Saw - Fast Cool Cutting
10 x 1/16 x 1		1	TA60TB(F8)	6100	7316002	34079317	Reinforced Cut-Off	Stationary Cut-Off Saw - Fine Finish, Burr Free, Tubing
		1	TA30RB(F8)	6100	7316003	34079318	Reinforced Cut-Off	Stationary Cut-Off Saw - Fast Cool Cutting
		1	TA36TB(F8)	6100	7316004	34079319	Reinforced Cut-Off	Stationary Cut-Off Saw - Fast Cool Cutting, General Shop Use
10 x 1/16 x 1-1/4		1	AT601-R5-RB6	6115	S809	34079161	Metallurgical Specimens	Hard Steel Rc 50-60
10 x 3/32 x 5/8		1	TA30RB(F8)	6100	T316006	34079175	Reinforced Cut-Off	Stationary Cut-Off Saw - Fast Cool Cutting
		1	TA36TB(F8)	6115	T316007	34079176	Reinforced Cut-Off	Stationary Cut-Off Saw - Fast Cool Cutting, General Shop Use
		1	TA60TB(F8)	6100	T316008	34079177	Reinforced Cut-Off	Stationary Cut-Off Saw - Fine Finish, Burr Free, Tubing
10 x 3/32 x 1		1	RBC-3A	4775	S363418	34079156	Non-Reinforced Cut Off	General Purpose, Stlss Steel, Mild Steel, Dry
		1	TA30RB(F8)	6100	7316009	34079320	Reinforced Cut-Off	Stationary Cut-Off Saw - Fast Cool Cutting
10 x 3/32 x 1-1/4		1	A46-P5-B20	4584	S104540	34079142	Non-Reinforced Cut-Off	General Purpose
10 x 1/8 x 5/8		1	A36-R5-B20	4584	S308494	34079149	Non-Reinforced Cut-Off	General Purpose
		1	A24-S5-B20F1	6112	T318901	34079198	Reinforced Cut-Off	General Purpose
10 x 1/8 x 1-1/4		1	A46-P5-B20	5425	S079154	34079138	Non-Reinforced Cut-Off	General Purpose
		1	A465-O5-B20	6115	S056642	34079121	Saw Sharpening	Saw Gumming - Resin Bonded Wheels
10 x 3/16 x 1-1/4		1	A465-O5-B60	3630	Q930695	34078992	Saw Sharpening	Saw Gumming - Resin Bonded Wheels
10 x 1/4 x 1-1/4		1	A465-O5-B60	3630	Q267848	34078984	Saw Sharpening	Saw Gumming - Resin Bonded Wheels
		1	A46-M5-V1	2485	† A091510	34077999	Saw Sharpening	General Purpose
		1	A60-M5-V1	2485	A091570	34078002	Saw Sharpening	General Purpose
		1	WAA46-M7-V28	2485	A881147	34078533	Saw Sharpening	Multi-Purpose
		1	RA46-L5-V8	2485	A310930	34078222	Saw Sharpening	Tough Ruby Abrasive
		1	A46-M5-V1	2485	† A091545	34078000	Saw Sharpening	General Purpose
10 x 3/8 x 1-1/4		1	WAA46-M7-V28	2485	A091553	34078001	Saw Sharpening	Multi-Purpose
		1	RA46-L5-V8	2485	A315524	34078228	Saw Sharpening	Tough Ruby Abrasive

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10" DIAMETER GRINDING WHEELS

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
10 x 3/8 x 2		1	GC60-J5-VL	2485	A017779	34077943	Sharpening	Rough Grind - Carbide
10 x 1/2 x 1-1/4		1	A46-M5-V1	2485	A091596	34078003	Saw Sharpening	General Purpose
		1	WAA46-M7-V28	2485	A091600	34078004	Saw Sharpening	Multi-Purpose
		1	WA46-K8V8	2485	A105317	34078136	Saw Sharpening	Cool Cutting White Abrasive
		1	RA46-J8-V8	2485	A100706	34078078	Saw Sharpening	Tough Ruby Abrasive
		1	RA46-L-V8	2485	A173886	34078185	Saw Sharpening	Tough Ruby Abrasive
		1	RA60-J8-V8	2485	A032840	34077955	Saw Sharpening	Tough Ruby Abrasive
		1	8BP46-L8-V8	2485	A328608	34078379	Saw Sharpening	Ceramic Abrasives - High Performance
		1	8BP60-L8-V8	2485	A340092	34078418	Saw Sharpening	Ceramic Abrasives - High Performance
10 x 1/2 x 3		1	WA60-K8-V8	2485	A843180	34078526	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	RA60-J8-V8	2485	A100722	34078079	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
10 x 5/8 x 1-1/4		1	RA46-L8-V8	2485	A171727	34078184	Saw Sharpening	Tough Ruby Abrasive
		1	8BP46-L8-V8	2485	A321832	34078260	Saw Sharpening	Ceramic Abrasives - High Performance
		1	8BP60-L8-V8	2485	A327234	34078377	Saw Sharpening	Ceramic Abrasives - High Performance
10 x 3/4 x 1-1/4		1	A46-M8-V1	2485	A091731	34078005	Saw Sharpening	General Purpose
		1	RA46-J5-V8	2485	A100749	34078080	Saw Sharpening	Tough Ruby Abrasive
		1	RA46-L8-V8	2485	A318442	34078233	Saw Sharpening	Tough Ruby Abrasive
		1	RA46-M8-V8	2485	A150282	34078180	Saw Sharpening	Tough Ruby Abrasive
10 x 3/4 x 3		1	WA46-J8-V8	2485	A105414	34078137	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	RAA46-H2(G800)VOS	2485	K063	34078779	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
		1	RAA46-I2(H800)VOS	2485	K223	34078795	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
		1	32A46-I8-VEQ	2485	A322170	34078299	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	WRA46-H8-V8	2485	A851582	34078527	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA60-J8-V8	2485	A755567	34078493	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	WRA80-J8-V8	2485	† A779784	34078500	Surface Grinding	High Chromium Die Stls - Med. Feeds - 12 Rms Finish
		1	RA46-G800-VOS	2485	K299788	34078825	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
		1	RA46-J8-V8	2485	A100757	34078081	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA60-J8-V8	2485	A100781	34078082	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
10 x 1 x 1-1/4		1	A36-M5-V1	2485	A091936	34078007	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A36-O5-V1	2485	A091847	34078006	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A46-M5-V1	2485	A091952	34078008	Bench & Pedestal	Aluminum Oxide - Medium
		1	A60-M5-V1	2485	A092126	34078011	Bench & Pedestal	Aluminum Oxide - Fine
		1	A80-M5-V1	2485	A091995	34078009	Bench & Pedestal	Aluminum Oxide - Very Fine
		1	WA60-J5-V8	2485	A529583	34078458	Surface Grinding	Hardened Steel - Better Finish - Light Downfeed
		1	GC60-J5-VL	2485	A108359	34078166	Sharpening	Rough Grind - Carbide
		1	GC80-J5-VL	2485	A108383	34078167	Sharpening	Medium Grind - Carbide
		1	GC120-J5-VL	2485	A109878	34078173	Sharpening	Finish Grind - Carbide
		1	RA46-J8-V8	2485	A100811	34078083	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA60-J8-V8	2485	A100927	34078086	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
10 x 1/11/16 x 1-1/4	B/P 28634	12	32A54-J5-VEQ	2485	G329681	34078715	Tool & Cutter	Hardened Steel - Better Finish - Medium Downfeed
10 x 1 x 2		1	RA46-J8-V8	2485	A100854	34078084	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
10 x 1 x 3		1	WA46-H8-V8	2485	A295691	34078208	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA46-J8-V8	2485	A105546	34078138	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA60-I8-V8	2485	A329741	34078408	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	WA60-J8-V8	2485	A142212	34078177	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	9A46-H2-VOS	2295	K363414	34079074	Tool Room	Tool Grinding, Surfacing, Flatwork, Thin Sections
		1	9A46-H2(G800)VOS	2485	K901	34078877	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 32 Rms - Open Structure
		1	9A60-J3(H800)VOS	2485	K335	34078862	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 16 Rms - Open Structure
		1	RAA46-H2(G800)VOS	2485	K319	34078831	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed

GRINDING WHEELS 10" DIAMETER**1-800-851-1095**

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
10 x 1 x 3 (Cont.)		1	RAA46-I2(H800)VOS	2485	K247	34078797	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
		1	RAA80-K14-V35	2485	† A363401	34079030	Tool Room	Stainless, Chrome, Tool Steels
		1	GC60-J5-VL	2485	A919713	34078543	Sharpening	Rough Grind - Carbide
		1	32A46-H8-VEQ	2485	A325054	34078366	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-I8-VEQ	2485	A322172	34078300	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A60-I8-VEQ	2485	A322173	34078311	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	WRA46-H8-V8	2485	A800805	34078511	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA46-I8-V8	2485	A955728	34078545	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA46-J5-V8	2485	A672246	34078477	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
		1	WRA46-K8-V8	2485	A801437	34078512	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA60-J8-V8	2485	A672238	34078476	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	WRA60-K8-V8	2485	A754544	34078490	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	WRA80-J8-V8	2485	A789658	34078504	Surface Grinding	High Chromium Die Stls - Med. Feeds - 12 Rms Finish
		1	RA46-G800-VOS	2485	K299791	34078826	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
		1	RA46-J8-V8	2485	A100870	34078085	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA60-J8-V8	2485	A100935	34078087	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
		1	RA60-K8-V8	2485	A300870	34078213	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
		1	8BP46-H800-VOS	2485	K324839	34078850	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 32 Rms - Open Structure
		1	8BP46-I8-V8	2485	A323333	34078354	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 32 Rms Fin.
		1	8BP46-J8-V8	2485	A325428	34078369	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 32 Rms Fin.
	1	8BP60-J8-V8	2485	A324611	34078357	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 16 Rms Fin.	
10 x 1-1/4 x 1-1/4		1	A36-O5-V1	2485	A092045	34078010	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A46-M5-V1	2485	A092142	34078012	Bench & Pedestal	Aluminum Oxide - Medium
		1	A60-M5-V1	2485	A092150	34078013	Bench & Pedestal	Aluminum Oxide - Fine
		1	GC60-J5-VL	2485	A322067	34078261	Sharpening	Rough Grind - Carbide
10 x 1-1/2 x 1-1/4		1	A36-M5-V1	2485	A092223	34078014	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A36-O5-V1	2485	A092240	34078015	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A46-M5-V1	2485	A092274	34078016	Bench & Pedestal	Aluminum Oxide - Medium
		1	A60-M5-V1	2485	A092320	34078017	Bench & Pedestal	Aluminum Oxide - Fine
		1	GC60-J5-VL	2485	A063460	34077961	Sharpening	Rough Grind - Carbide
10 x 1-1/2 x 2		1	GC60-J5-VL	2485	A108421	34078168	Sharpening	Rough Grind - Carbide
10 x 2 x 1-1/4		1	A36-O5-V1	2485	A092347	34078018	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A46-M5-V1	2485	A092355	34078019	Bench & Pedestal	Aluminum Oxide - Medium
		1	A60-M5-V1	2485	A097420	34078040	Bench & Pedestal	Aluminum Oxide - Fine
10 x 2 x 7	B/P 2671	53	GC60-J14-VL	2295	J096580	34078742	Sharpening	Plate Mtd Tool - Rough Grind - Carbide
	B/P 2671	53	GC60-K14-VL	2295	J096644	34078745	Sharpening	Plate Mtd Tool - Rough Grind - Carbide
	B/P 2671	53	GC120-I14-VL	2295	J096610	34078743	Sharpening	Ex-Cello Hammond - Plate Mtd Tool - Finish Grind - Carbide
10 x 2 x 7-1/2	B/P 21878	53	WAA60-L5-V8	2295	J096636	34078744	Sharpening	Sellers - Plate Mtd Tool - General Purpose
10 x T/3	1R B/P2195	52	A46-I5-B60	2295	U079472	34078997	Knife Grinding	Hardened Steel - Good Finish
	1R B/P2195	52	A60-I5-B60	2295	U132870	34079000	Knife Grinding	Hardened Steel - Fine Finish
	1R B/P2195	52	RA46-H5-V8	2295	† G196630	34078704	Knife Grinding	Tough Ruby Abrasive
10 x 4 x 1-1/2	1-1/2R 1B	6	WA46-I5-V8	2295	G170135	34078701	Knife Grinding	Cool Cutting White Abrasive
	1-1/2R 1B	6	WA46-J5-V8	2295	G884154	34078726	Knife Grinding	Cool Cutting White Abrasive
	1-1/2R 1B	6	RA46-H5-V8	2295	G139092	34078700	Knife Grinding	Tough Ruby Abrasive
10 x 4 x 2	1-1/2R 1B	6	WA46-J5-V8	2295	G171620	34078702	Knife Grinding	Cool Cutting White Abrasive
	1-1/2R 1B	6	WRA46-J5-V8	2295	G214035	34078708	Knife Grinding	Multi-Purpose
10 x T/3-3/4	1R B/P 38098	52	A46-I5-B60	2295	U079499	34078998	Knife Grinding	Hardened Steel - Good Finish
10 x T/4	1R B/P 2554	52	A60-I5-B60	2295	U079502	34149421	Knife Grinding	Hardened Steel - Fine Finish
	1R B/P 2554	52	WA46-H5-B35	2295	U342479	34079002	Knife Grinding	Cool Cutting White Abrasive

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10" to 12" DIAMETER GRINDING WHEELS

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION	
10 x T/4 (Cont.)	1R B/P 2554	52	RA46-H5-V8	2295	G310689	34078711	Knife Grinding	Tough Ruby Abrasive	
	1R B/P 2554	52	8BP46-F800-VOS	2295	N331200	34078913	Saw Sharpening	Ceramic Abrasives - High Performance - Open Structure	
11 x 5	1R	2	WA462-F11-V8	1910	N267375	34078909	Surface Grinding	Hardened Steel - Good Finish - Light Downfeed	
	1R	2	97A361-G800-V1	2085	N342209	34078914	Surface Grinding	General Purpose	
12 x 3/32 x 1		1	A36-R5-B20	4520	S311586	34079150	Non-Reinforced Cut-Off	General Purpose	
		1	TA30RB(F8)	5100	7316012	34079321	Reinforced Cut-Off	Stationary Cut-Off Saw - Fast Cool Cutting	
12 x 3/32 x 1-1/4		1	A46-P5-B20	5095	S079596	34079139	Non-Reinforced Cut-Off	General Purpose	
12 x 1/8 x 1		1	A24TB(F8)	6300	T315900	34079168	Reinforced Cut-Off	Hi-Speed Gas & Electric Saws - Metal - Aggressive Cut, Long Life	
		1	TA24RB(F8)	5100	T316014	34079178	Reinforced Cut-Off	Stationary Cut-Off Saw - General Purpose & Production Cutting	
		1	TA30RB(F8)	5100	7316013	34079322	Reinforced Cut-Off	Stationary Cut-Off Saw - Fast Cool Cutting	
		1	C24TB(F8)	6300	T315903	34079170	Reinforced Cut-Off	Hi-Speed Gas & Electric Saws - Masonry, Concrete & N.F. Metals	
12 x 1/8 x 1-1/4		1	A465-O5-B20	3820	S058238	34079122	Saw Sharpening	Saw Gumming - Resin Bonded Wheels	
		1	A30-P5-B20F8	5092	T012300	34079162	Reinforced Cut-Off	General Purpose	
12 x 1/2 x 1-1/4		1	RA46-J8-V8	2070	A101052	34078088	Saw Sharpening	Tough Ruby Abrasive	
		1	RA46-L5-V8	2070	A480819	34078456	Saw Sharpening	Tough Ruby Abrasive	
12 x 1/2 x 3		1	RA60-J8-V8	2070	A101109	34078089	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish	
12 x 1/2 x 5		1	32A60-L8-VEQ	2070	A322174	34078312	Surface Grinding	Hardened Steel - Better Finish - Medium Downfeed	
12 x 5/8 x 1-1/4		1	RA46-L8-V8	2070	A378143	34078447	Saw Sharpening	Tough Ruby Abrasive	
		1	8BP46-L8-V8	2070	A324754	34078358	Saw Sharpening	Ceramic Abrasives - High Performance	
		1	8BP60-L8-V8	2070	A341422	34078419	Saw Sharpening	Ceramic Abrasives - High Performance	
		1	A46-M8-V1	2070	A092657	34078021	Saw Sharpening	General Purpose	
		1	SA46-M8-V8	2070	A000884	34077924	Saw Sharpening	Multi-Purpose	
		1	WA46-M8-V8	2070	A883050	34078534	Saw Sharpening	Cool Cutting White Abrasive	
		1	WRA46-M8-V8	2070	A727571	34078483	Saw Sharpening	Multi-Purpose	
		1	RA46-J8-V8	2070	A479446	34078455	Saw Sharpening	Tough Ruby Abrasive	
		1	RA46-L8-V8	2070	A101214	34078093	Saw Sharpening	Tough Ruby Abrasive	
		1	RA46-M8-V8	2070	A312673	34078225	Saw Sharpening	Tough Ruby Abrasive	
12 x 3/4 x 1-1/4		1	8BP46-L8-V8	2070	A325431	34078370	Saw Sharpening	Ceramic Abrasives - High Performance	
		1	8BP46-M8-V8	2070	A331184	34078416	Saw Sharpening	Ceramic Abrasives - High Performance	
		1	8BP60-L8-V8	2070	A322729	34078329	Saw Sharpening	Ceramic Abrasives - High Performance	
		1	8BW54-L8-V8	2070	A389120	34078449	Saw Sharpening	Ceramic Abrasives - High Performance	
		1	97A46-I3(G+800C)VOS	2070	K121	34078789	Surface Grinding	Soft Annealed Steel	
		1	WA46-H8-V8	2070	A105716	34078139	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish	
		1	RAA46-H2(G800)VOS	2070	K045	34078772	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed	
		1	RAA46-I2(H800)VOS	2070	K982	34078878	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed	
		1	RAA60-J2-VOS	2069	K362697	34079044	Tool Room	Tool Grinding, Surfacing, H.S.S., Chrome, Stlss.	
		1	32A46-I8-VEQ	2070	A322175	34078313	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish	
12 x 3/4 x 3		1	WRA46-J8-V8	2070	A830240	34078525	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish	
		1	RA46-H8-V8	2070	A101141	34078090	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish	
		1	RA46-J8-V8	2070	A101150	34078091	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish	
		1	RA60-J8-V8	2070	A101184	34078092	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish	
		1	8BP46-I8-V8	2070	A324911	34078359	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 32 Rms Fin.	
		C Face 30 Deg. B/P 29479	1	A701-L5-B60-T	3025	Q770450	34078991	Drill Grinding	Omark Winslow - Hi-Speed Steel
		C Face 30 Deg.	70	A701-L5-B60-T	3025	U147249	34077919	Drill Grinding	Omark Winslow - Hi-Speed Steel
12 x 3/4 x 5	1/8 H/S B/P29669		A120-M5-B60-T						
		1	A46-M1-V1	2070	A045365	34077960	Saw Sharpening	General Purpose	
12 x 7/8 x 1-1/4		1	WA46-M-V8	2070	A901040	34078536	Saw Sharpening	Cool Cutting White Abrasive	
		1	SA46-M8-V8	2070	† A009750	34077936	Saw Sharpening	Multi-Purpose	

GRINDING WHEELS 12" DIAMETER

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DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
12 x 7/8 x 1-1/4 (Cont.)		1	WRA46-L5-V8	2070	A957682	34078546	Saw Sharpening	Multi-Purpose
		1	WRA46-M8-V8	2070	A786209	34078502	Saw Sharpening	Multi-Purpose
		1	RA46-L8-V8	2070	A183822	34078187	Saw Sharpening	Tough Ruby Abrasive
		1	RA46-M8-V8	2070	A003867	34077929	Saw Sharpening	Tough Ruby Abrasive
		1	8BP46-L8-V8	2070	A325432	34078371	Saw Sharpening	Ceramic Abrasives - High Performance
		1	8BP46-M8-V8	2070	A331183	34078415	Saw Sharpening	Ceramic Abrasives - High Performance
		1	8BP60-L8-V8	2070	A322730	34078330	Saw Sharpening	Ceramic Abrasives - High Performance
		1	8BW54-L8-V8	2070	A387259	34078448	Saw Sharpening	Ceramic Abrasives - High Performance
12 x 1 x 1-1/4		1	A46-M5-V1	2070	A092363	34078020	Saw Sharpening	General Purpose
		1	A60-M5-V1	2070	A092754	34078022	Saw Sharpening	General Purpose
		1	RA46-J8-V8	2070	A182354	34078186	Saw Sharpening	Tough Ruby Abrasive
12 x 1 x 3		1	WA46-H5-V8	2070	A004847	34077930	Surface Grinding	Hardened Steel - Good Finish - Light Downfeed
		1	WA46-J8-V8	2070	A105767	34078140	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA60-J8-V8	2070	A009776	34077937	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	9A46-H2(G800)VOS	2070	K495	34078869	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 32 Rms - Open Structure
		1	9A46-J12-V20	2069	A363227	34079011	Tool Room	Tool Grinding, Surfacing, Flatwork
		1	RAA46-H2(G800)VOS	2070	K330	34078861	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
		1	RAA46-I2(H800)VOS	2070	K043	34078771	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
		1	RAA46-J2(H+800)VOS	2070	K189	34078793	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
		1	RAA60-I2(H800)VOS	2070	K771	34078875	Surface Grinding	Chromium & Nickel Alloys - 16 Rms Finish - Open Structure
		1	RAA60-J2-VOS	2069	K363193	34079049	Tool Room	Tool Grinding, Chrome, Stainless, Surfacing
		1	32A46-H8-VEQ	2070	A322177	34078314	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-H14-VEQ	2070	K322176	34078839	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-I8-VEQ	2070	A322178	34078315	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A46-J8-VEQ	2070	A322179	34078316	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
		1	32A46-K8-VEQ	2070	A322180	34078317	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A60-I8-VEQ	2070	A322181	34078318	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	WRA46-H8-V8	2070	A650617	34078469	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA46-I8-V8	2070	A762318	34078496	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA46-J8-V8	2070	A750719	34078486	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA46-K8-V8	2070	A814997	34078516	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA60-H8-V8	2070	A978639	34078547	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	WRA60-I8-V8	2070	A634735	34078466	Surface Grinding	Hardened Steel - Better Finish - Medium Downfeed
		1	WRA60-K8-V8	2070	A817856	34078522	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	RA46-G800-VOS	2070	K277795	34078804	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
		1	RA46-H8-V8	2070	A101249	34078094	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA46-J8-V8	2070	A101290	34078095	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA60-J8-V8	2070	A101370	34078097	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
		1	8BP46-H8-V8	2070	A329751	34078411	Surface Grinding	Hardened Steel - Good Finish - Ceramic Abrasive
		1	8BP46-H800-VOS	2070	K322836	34078840	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 32 Rms - Open Structure
		1	8BP46-I8-V8	2070	A324981	34078360	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 32 Rms Fin.
		1	8BP60-G800-VOS	2070	K329752	34078856	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 16 Rms - Open Structure
		1	8BP60-I800-VOS	2070	K329753	34078857	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 16 Rms - Open Structure
12 x 1 x 5		1	97A602-K12-V35	2070	A040	34077959	Surface Grinding	Soft Annealed Steel
		1	WA46-I8-V8	2070	A328439	34078378	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA46-J8-V8	2070	A198323	34078192	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 32 Rms Finish
		1	WA60-J5-V8	2070	A595993	34078460	Surface Grinding	Hardened Steel - Better Finish - Light Downfeed
		1	WA80-K5-V8	2070	A310541	34078221	Surface Grinding	Hardened Steel - Fine Finish - Light Downfeed
		1	RAA46-I2(H800)VOS	2070	K050	34078774	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed

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12" DIAMETER GRINDING WHEELS

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
12 x 1 x 5 (Cont.)		1	RAA602-K13-V35	2070	A363230	34078441	Cylindrical Grinding	Stainless, Chrome, Tool Steels
		1	RAA80-K14-V35	2069	A360728	34078438	Cylindrical Grinding	Stainless, Chrome, Tool Steels
		1	GC60-J5-VL	2070	A108510	34078169	Surface Grinding	Rough Grind - Carbide
		1	32A46-I8-VEQ	2070	A322182	34078319	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	32A60-I8-VEQ	2070	A325056	34078367	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	32A60-K8-VEQ	2070	A329682	34078386	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 16 Rms Finish
		1	WRA46-K8-V8	2070	A913634	34078539	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA60-K5-V8	2070	A753378	34078489	Surface Grinding	Hardened Steel - Better Finish - Medium Downfeed
		1	RA46-H800-VOS	2070	K268837	34078801	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
		1	RA46-J5-V8	2070	A101303	34078096	Surface Grinding	Hardened Steel - Good Finish - Heavy Downfeed
		1	RA60-J8-V8	2070	A101389	34078098	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
		1	RA80-J8-V8	2070	A150916	34078181	Surface Grinding	High Carbon / Chrome - Heavy Feed - Gen Forms > .010 R
		1	8BP46-H8-V8	2070	A329754	34078412	Surface Grinding	Hardened Steel - Good Finish - Ceramic Abrasive
		1	8BP46-H800-VOS	2070	K323150	34078841	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 32 Rms - Open Structure
		1	8BP46-I8-V8	2070	A329755	34078413	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 32 Rms Fin.
		1	8BP60-G800-VOS	2070	K329756	34078858	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 16 Rms - Open Structure
		1	8BP60-I8-V8	2070	A321337	34078257	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 16 Rms Fin.
		1	8BP60-I800-VOS	2070	K329758	34078859	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 16 Rms - Open Structure
		1	8BP60-J8-V8	2070	A323151	34078338	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 16 Rms Fin.
12 x 1-1/2 x 1-1/4		1	A24-M6-V1	2070	A097535	34078041	Bench & Pedestal	Aluminum Oxide - Extra Coarse
		1	A36-O5-V1	2070	A092835	34078023	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A46-M5-V1	2070	A092983	34078025	Bench & Pedestal	Aluminum Oxide - Medium
		1	A60-M5-V1	2070	A092932	34078024	Bench & Pedestal	Aluminum Oxide - Fine
		1	GC60-J5-VL	2070	A108634	34078172	Sharpening	Rough Grind - Carbide
		1	RA46-J8-V8	2070	A150940	34078182	Bench & Pedestal	Hardened Steel - Good Finish - Heavy Downfeed
12 x 1-1/2 x 3		1	RA46-J8-V8	2070	A903744	34078538	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
	1/S 5 x 1/2	5	9A46-J3(H800)VOS	2070	N006	34078907	Surface Grinding	Hardened Steel - Good Finish - Light Downfeed
12 x 1-1/2 x 5		1	32A46-I8-VEQ	2070	A329683	34078387	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		1	RA46-J8-V8	2070	A311596	34078223	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	8BP60-I800-VOS	2070	K329759	34078860	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 16 Rms - Open Structure
	1/S 7-1/2 x 1/2	5	WA46-H5-V8	2070	G013757	34078692	Surface Grinding	Hardened Steel - Good Finish - Light Downfeed
	1/S 7-1/2 x 1/2	5	32A46-I8-VEQ	2070	G329684	34078716	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
	1/S 7-1/2 x 1/2	5	RA46-J5-V8	2070	G101451	34078695	Surface Grinding	Hardened Steel - Good Finish - Heavy Downfeed
	1/S 7-1/2 x 1/2	5	RA60-J8-V8	2070	G101486	34078696	Surface Grinding	High Carbon / Chrome - Heavy Feed, Good Form - 16 Rms Finish
12 x 2 x 1-1/4		1	A24-M6-V1	2070	A093033	34078026	Bench & Pedestal	Aluminum Oxide - Extra Coarse
		1	A30-O5-V1	2070	A093084	34078027	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A36-M5-V1	2070	A093114	34078028	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A36-O5-V1	2070	A093130	34078029	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A46-M5-V1	2070	A093335	34078030	Bench & Pedestal	Aluminum Oxide - Medium
		1	A60-M5-V1	2070	A093378	34078032	Bench & Pedestal	Aluminum Oxide - Fine
		1	A80-M5-V1	2070	A093343	34078031	Bench & Pedestal	Aluminum Oxide - Very Fine
		1	GC60-J5-VL	2070	A108561	34078170	Sharpening	Rough Grind - Carbide
12 x 2 x 1-1/2		1	A36-M5-V1	2070	A515132	34078457	Bench & Pedestal	Aluminum Oxide - Coarse
		1	A60-M5-V1	2070	A919128	34078542	Bench & Pedestal	Aluminum Oxide - Fine
12 x 2 x 1-3/4	x Face or Rec. 1/S 4-7/8 x 1		B/P26311					
		5	8BP60-J8-V8	2070	G332128	34078719	Saw Sharpening	Ceramic Abrasives - High Performance
12 x 2 x 3	2/S 6 x 1/2	7	9A46-G800-VOS	2070	N318875	34078911	Surface Grinding	Hardened Steel - Good Finish - Light Downfeed
12 x 2 x 5		1	A80-R-R242		4021	34079210	Feed Wheel	General Purpose
	2/S 7-1/2 x 1/2	7	97A46-I3(G+800C)VOS	2070	N003	34078906	Surface Grinding	Soft Annealed Steel

GRINDING WHEELS 12" to 14" DIAMETER

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DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
12 x 2 x 5 (Cont.)	2/S 7-1/2 x 1/2	7	WA46-I5-V8	2070	G301403	34078709	Surface Grinding	Hardened Steel - Good Finish - Light Downfeed
	2/S 7-1/2 x 1/2	7	32A46-H14-VEQ	2070	N329686	34078912	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
	2/S 7-1/2 x 1/2	7	32A46-I8-VEQ	2070	G327793	34078713	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
	2/S 7-1/2 x 1/2	7	RA46-J8-V8	2070	G172669	34078703	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
12 x 4 x 5	Rec 2/s 7-1/2 x 1/2	7	A80-R-R242		4010	643316	Feed Wheel	General Purpose
12 x 6 x 5	Rec 1/s 7-1/2 x 1-1/2	O/s 7-1/2		7	A80-R-R242			4069 643319 Feed Wheel General Purpose
12 x 6 x 5	Rec 2/s 7-1/2 x 1-1/2	7	A80-R-R242		4087	34079211	Feed Wheel	General Purpose
12 x 8 x 5	Rec 1/s 7-1/2 x 1-1/2	O/s 7-1/2 x 2-1/2		7	A80-R-R242			4070 643322 Feed Wheel General Purpose
14 x 3/32 x 1		1	AT462-W8-RB5	4370	S015	34078993	Non-Reinforced Cut-Off	High Performance
		1	TA30RB(F8)	4400	T316016	34079180	Reinforced Cut-Off	Stationary Cut-Off Saw - Fast Cool Cutting
14 x 7/64 x 1		1	A46TB(F1)	4400	T315899	34079167	Reinforced Cut-Off	Low Horsepower Portable Chop Saw - Fast Burr Free Cutting
14 x 1/8 x 20MM		1	A24TB(F8)	5200	T316059	34079189	Reinforced Cut-Off	Hi-Speed Gas & Electric Saws - Metal - Aggressive Cut, Long Life
14 x 1/8 x 1	Metal	1	A24TB(F8)	5200	T316058	34079188	Reinforced Cut-Off	Hi-Speed Gas & Electric Saws - Metal - Aggressive Cut, Long Life
		1	TA24RB(F8)	4400	T316015	34079179	Reinforced Cut-Off	Stationary Cut-Off Saw - General Purpose & Production Cutting
14 x 1/8 x 1		1	TA30RB(F8)	4400	T316017	34079181	Reinforced Cut-Off	Stationary Cut-Off Saw - Fast Cool Cutting
		1	CA30PB(F8)	5200	T316062	34079190	Reinforced Cut-Off	Hi-Speed Gas & Electric Saws - Ductile Iron & Non-Ferrous Metals
	Masonry	1	C24TB(F8)	5200	† 7316060	34079332	Reinforced Cut-Off	Hi-Speed Gas & Electric Saws - Masonry, Concrete & N.F. Metals
14 x 3/4 x 5		1	RA60-J8-V8	1800	A465267	34078454	Surface & Cylindrical	Hardened Steel - Better Finish - Heavy Downfeed
14 x 1 x 3		1	RAA46-I2(H800)VOS	1800	K046	34078773	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
		1	WRA46-H8-V8	1800	A794333	34078507	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish
		1	WRA60-I5-V8	1800	A307417	34078218	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	RA46-J8-V8	1800	A101567	34078100	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish Cylind. Grind
		1	8BP46-I8-V8	1800	A326446	34078375	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 32 Rms Fin.
14 x 1 x 5		1	A60-K8-V1	1800	A301015	34078214	Surface & Cylindrical	Soft Annealed Steel
		1	WA46-J8-V8	1800	A205931	34078200	Surface & Cylindrical	Hardened Steel - Good Finish - Light Downfeed
		1	WA60-H8-V8	1800	A314365	34078226	Surface Grinding	Hard & H.S.S. to 62 Rc - Light Feed - 16 Rms Finish
		1	WA60-K8-V8	1800	A331295	34078417	Surface & Cylindrical	Hardened Steel - Better Finish - Light Downfeed
		1	9A46-H2(G800)VOS	1800	K557	34078871	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 32 Rms - Open Structure
		1	RAA46-J1(I+800)VOS	1800	K302	34078829	Surface Grinding	Chromium & Nickel Alloys - 16 Rms Finish - Open Structure
		1	RAA602-K13-V35	1773	A363262	34079016	Tool Room	Stainless, Chrome, Tool Steels
		1	GC60-J5-VL	1800	A108600	34078171	Surface & Cylindrical	Rough Grind - Carbide
		1	32A46-I8-VEQ	1800	A329687	34078388	Surface & Cylindrical	Hardened Steel - Good Finish - Medium Downfeed
		1	32A60-K8-VEQ	1800	A326375	34078374	Surface & Cylindrical	Hardened Steel - Better Finish - Medium Downfeed
		1	WRA46-J8-V8	2185	A541087	34078459	Surface & Cylindrical	Hardened Steel - Good Finish - Medium Downfeed
		1	WRA60-H8-V8	1800	A795496	34078508	Surface Grinding	High Chromium Die Stls - Med. Feeds - 16 Rms Finish
		1	WRA60-J8-V8	1800	A790141	34078505	Surface & Cylindrical	Hardened Steel - Better Finish - Medium Downfeed
		1	RA46-G800-VOS	1800	K299795	34078827	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure
		1	RA46-H8-V8	1800	A101540	34078099	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms Finish
		1	RA46-J8-V8	1800	A101575	34078101	Surface & Cylindrical	Hardened Steel - Good Finish - Heavy Downfeed
		1	RA60-H800-VOS	1800	K299796	34078828	Surface Grinding	High Carbon / Chrome - Heavy Feed - 16 Rms - Open Structure
		1	RA60-J8-V8	1800	A101621	34078102	Surface & Cylindrical	Hardened Steel - Better Finish - Heavy Downfeed
		1	8BP46-H800-VOS	1800	K323152	34078842	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 32 Rms - Open Structure
		1	8BP46-I8-V8	1800	A323884	34078356	Surface & Cylindrical	Hardened Steel - Good Finish - Ceramic Abrasive
	1	8BP60-I8-V8	2185	A326299	641849	Surface & Cylindrical	Hardened Steel - Better Finish - Ceramic Abrasive	
14 x 1-1/2 x 5		1	97A462-I3F(G800C)VOS					
				1800	KL99	34078881	Surface Grinding	Soft Annealed Steel
		1	WA46-H5-V8	1800	A718440	34078482	Surface Grinding	Hardened Steel - Good Finish - Light Downfeed
		1	WA46-I8-V8	1800	A315232	34078227	Surface & Cylindrical	Hardened Steel - Good Finish - Light Downfeed
	1	WA60-J5-V8	1800	A838462	642929	Surface & Cylindrical	Hardened Steel - Better Finish - Light Downfeed	

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14" to 16" DIAMETER GRINDING WHEELS

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION	
14 x 1-1/2 x 5 (Cont.)		1	9A46-H2(G800)VOS	1800	K794	34078876	Surface Grinding	Tool Steels to 62 Rc - Lt Feeds - 32 Rms - Open Structure	
		1	RAA462-I3F(G800F)VOS	1800	KL27	34078880	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed	
		1	32A46-H8-VEQ	1800	A325057	34078368	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish	
		1	32A46-I8-VEQ	1800	A322183	34078320	Surface & Cylindrical	Hardened Steel - Good Finish - Medium Downfeed	
		1	WRA46-H8-V8	1800	A804924	34078513	Surface Grinding	High Chromium Die Stls - Med Feeds - 32 Rms Finish	
		1	WRA46-J8-V8	1800	A790184	34078506	Surface & Cylindrical	Hardened Steel - Good Finish - Medium Downfeed	
		1	WRA60-I8-V8	1800	A329918	641858	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed	
		1	RA46-G800-VOS	1800	K293416	34078813	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure	
		1	RA46-H800-VOS	1800	K295600	34078817	Surface Grinding	High Carbon / Chrome - Heavy Feed - 32 Rms - Open Structure	
		1	RA46-J8-V8	1800	A101656	34078103	Surface & Cylindrical	Hardened Steel - Good Finish - Heavy Downfeed	
		1	RA60-J8-V8	1800	A101680	34078104	Surface & Cylindrical	Hardened Steel - Better Finish - Heavy Downfeed	
		1	8BP46-H8-V8	1800	A329760	34078414	Surface Grinding	Hardened Steel - Good Finish - Ceramic Abrasive	
		1	8BP46-H800-VOS	1800	K323153	34078843	Surface Grinding	Ceramic Abr. - Cool Cut, Long Life - 32 Rms - Open Structure	
		1	8BP46-I8-V8	1800	A328682	34078380	Surface & Cylindrical	Hardened Steel - Good Finish - Ceramic Abrasive	
		1	8BP60-H8-V8	1800	A329761	641855	Surface Grinding	Ceramic Abr. - Long Life - High Carbon / Chrome Stls - 16 Rms Fin.	
		1	8BP60-J8-V8	1800	A323154	34078339	Surface & Cylindrical	Hardened Steel - Better Finish - Ceramic Abrasive	
	1/S 8 x 1/2	5	32A46-I8-VEQ	1800	G329688	34078717	Surface & Cylindrical	Hardened Steel - Good Finish - Medium Downfeed	
	1/S 7-1/2 x 1/2	5	WRA46-H5-V8	1800	G301887	34078710	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed	
	1/S 8 x 1/2	5	WRA60-I8-V8	1800	G372419	34078722	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed	
	1/S 8 x 1/2	5	RA46-J5-V8	1800	G125520	34078699	Surface & Cylindrical	Hardened Steel - Good Finish - Heavy Downfeed	
	1/S 8 x 1/2	5	RA60-J8-V8	1800	G201685	34078706	Surface & Cylindrical	Hardened Steel - Better Finish - Heavy Downfeed	
	1/S Rld 1/2 DP to 8 FS; A=1/4								
		20	WRA60-K5-V8	2320	G210145	34078707	Surface & Cylindrical	Hardened Steel - Better Finish - Medium Downfeed	
14 x 2 x 1-1/4		1	A24-M6-V1	1800	A093580	34078033	Bench & Pedestal	Aluminum Oxide - Extra Coarse	
		1	A36-O5-V1	1800	A037907	34077957	Bench & Pedestal	Aluminum Oxide - Coarse	
		1	A60-M5-V1	1800	A097608	34078042	Bench & Pedestal	Aluminum Oxide - Fine	
14 x 2 x 5	REC 1/S 7-1/2 X 1/2	5	9A46-H3-VOS	1640	N363254	34079094	Tool Room	Tool Grinding, Surfacing, Thin Sections	
	1/S 8 x 1	5	WRA60-J5-V8	1800	G804932	34078723	Surface & Cylindrical	Hardened Steel - Better Finish - Medium Downfeed	
	RLD 2/S 1/4 DP TO 8 FS								
		21	RAA607-K14-V35	1773	G363264	34079040	Tool Room	Stainless, Chrome, Tool Steels	
14 x 2-1/2 x 1-1/4		1	A36-O5-V1	1800	A093831	34078035	Bench & Pedestal	Aluminum Oxide - Coarse	
		1	A46-M5-V1	1800	A093858	34078036	Bench & Pedestal	Aluminum Oxide - Medium	
14 x 3 x 1-1/4		1	A36-O5-V1	1800	A143030	34078179	Bench & Pedestal	Aluminum Oxide - Coarse	
		1	A46-M5-V1	1800	A203823	34078196	Bench & Pedestal	Aluminum Oxide - Medium	
14 x 4 x 11	B/P 16421	53	GC60-J14-VL	1640	J096709	34078746	Sharpening	Plate Mtd Tool Rough Grind - Carbide	
14 x T/4	1-1/4R B/P 2077	52	A46-I5-B60	1640	U080152	34078999	Knife Grinding	Hardened Steel - Good Finish	
14 x 8 x 5	Rec 1/s 8 x 1-1/2 O/s 8 x 2	7	A80-R-R242		4090	34079212	Feed Wheel	General Purpose	
		7	A80-R-R242		4117	34079213	Feed Wheel	General Purpose	
14 x 20 x 6	Rec 2/s 8-1/2 x 1-1/2	7	A80-R-R242		4117	34079213	Feed Wheel	General Purpose	
16 x 1/8 x 1		1	AT462-W8-RB5	3820	S139	34079147	Non-Reinforced Cut-Off	High Performance	
16 x 5/32 x 1		1	TA24TB(F8)	3820	T316018	34079182	Reinforced Cut-Off	Stationary Cut-Off Saw - General Purpose & Production Cutting	
		1	TA30RB(F8)	3800	T316019	34079183	Reinforced Cut-Off	Stationary Cut-Off Saw - Fast Cool Cutting	
16 x 1 x 5		1	A60-K8-V1	2030	A093947	34078037	Cylindrical Grinding	Soft Annealed Steel	
		1	RAA602-K13-V35	1552	A363265	34079017	Cylindrical Grinding	Stainless, Chrome, Tool Steels	
		1	WRA60-J5-V1	1910	A095893	34078038	Cylindrical Grinding	Hardened Steel - Better Finish - Medium Downfeed	
16 x 1 x 8		1	RAA602-K13-V35	1552	A361309	34078439	Cylindrical Grinding	Stainless, Chrome, Tool Steels 16 x 1 x 8	
		1	WRA60-J5-V1	1910	A000434	34077921	Cylindrical Grinding	Hardened Steel - Better Finish - Medium Downfeed	
16 x 4 x 10		1	A80-K8-V1	2030	A262287	34078202	Centerless Grinding	General Purpose	

GRINDING WHEELS 18" to 20" DIAMETER

1-800-851-1095

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
18 x 5/32 x 1		1	TA24TB(F8)	3400	† 7316020	34079323	Reinforced Cut-Off	Stationary Cut-Off Saw - General Purpose & Production Cutting
		1	TA30RB(F8)	3400	7316021	34079324	Reinforced Cut-Off	Stationary Cut-Off Saw - Fast Cool Cutting
18 x 3/8 x 9	E Face 60 Deg.	1	XL1002-S12-BFM-SS	3400	Q318889	34079115	Thread & Flute Grinding	Thread Grinding
18 x 2 x 8	1/S 11 x 1/2	5	WRA544-I5-V8	1700	G125199	34078698	Surface & Cylindrical	Hardened Steel
18 x 3 x 1-1/2		1	A24-M6-V1	1380	A154393	34078183	Bench & Pedestal	Aluminum Oxide - Extra Coarse
		1	A36-O5-V1	1380	A039578	34077958	Bench & Pedestal	Aluminum Oxide - Coarse
18 x 5	1-1/2R B/P 22442	2	WAA301-G6-V1	1275	G814466	34078724	Surface Grinding	General Purpose
20 x 1/8 x 1		1	A24-R5-B20F8	2715	T159000	34079163	Reinforced Cut-Off	General Purpose
20 x .140 x 1	Tripholes B/P 2699	1	AT462-W8-RB5	2715	S112	34079143	Non-Reinforced Cut-Off	High Performance
20 x 5/32 x 1		1	TA24TB(F8)	3050	T316022	34079184	Reinforced Cut-Off	Stationary Cut-Off Saw - General Purpose & Production Cutting
		1	TA30RB(F8)	3050	T316023	34079185	Reinforced Cut-Off	Stationary Cut-Off Saw - Fast Cool Cutting
20 x 3/16 x 1		1	A24XB(F8)	3050	T316024	34079186	Reinforced Cut-Off	Stationary Cut-Off Saw - Heavy Duty, Gates, Risers High H.P.
		1	A30NB(F8)	3050	T316025	34079187	Reinforced Cut-Off	Stationary Cut-Off Saw - H.D., High Volume Cutting Bar Stock
20 x 3/8 x 10	E Face 45 Deg. B/P 29671	1	WAA80-J6-V1	1910	A310400	34078220	Thread & Flute Grinding, Thread Grinding	
20 x 1/2 x 12	C Face 30 Deg. B/P 29450 no paper	1	8A808-T8-B11	2295	Q301553	34078985	Thread & Flute Grinding	Drill Pointing
20 x 2 x 8	2/S 11-1/2 x 1/2	1	WA60-K5-V1	1625	A298418	34078209	Cylindrical Grinding	Hardened Steel - Better Finish - Light Downfeed
		7	97A46-G+800C-VOS	1245	N342472	34078916	Surface Grinding	General Purpose
		7	RAA461-G800C-VOS	1245	N342471	34078915	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
20 x 2 x 12	2/S 11-1/2 x 1/2	1	A60-K5-V1	1625	A250481	34078201	Cylindrical Grinding	Soft Annealed Steel
		1	97A46-I3(G+800C)VOS	1245	K261278	34078799	Surface Grinding	General Purpose
20 x 3 x 8	2/S 11-1/2 x 1/2	7	97A46-I3(G+800C)VOS	1245	N284	34078910	Surface Grinding	General Purpose
		7	RAA461-G800C-VOS	1245	N342473	34078917	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
20 x 3 x 10	1/S 12-1/4 x 1/2 O/S 12-1/4 x 1	7	97A46-I3(G+800C)VOS	1245	N051	34078908	Surface Grinding	General Purpose
		7	RAA461-G800C-VOS	1245	N342474	34078918	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
20 x 4 x 10	REC 2/S 12-1/4 X 1	7	32A46-I8-VEQ	1245	G329689	34078718	Surface Grinding	High Carbon Steels > 35 Rc - Med Feeds - 32 Rms Finish
		7	RAA461-G800C-VOS	1245	N342475	34078919	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
20 x 4 x 12		1	97A46-I3(G+800C)VOS	1623	KR73	34078883	Surface Grinding	General Purpose
		1	WAA80-L8-VCT	1623	A342712	34078421	Centerless Throughfeed	General Purpose - Longer Life - Better Finish
		1	22A60-K-V	1623	AT347371	347371	Centerless Throughfeed	General Purpose
20 x 6 x 10	1/S 12-1/4 x 1 O/S 12-1/4 x 2	7	97A46-G+800C-VOS	1245	N342478	34078921	Surface Grinding	General Purpose
		7	RAA461-G800C-VOS	1245	N342477	34078920	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
20 x 6 x 12	1/S 12-1/4 x 1 O/S 12-1/4 x 2	7	WRA46-I14-V1	1245	N842753	34078923	Surface Grinding	Hardened Steel - Good Finish - Medium Downfeed
		1	A60-L5-VCP	1623	A342724	34078433	Centerless Plunge	Low Carbon - Annealed Steel - Over 3/8 Part Diameter
		1	A60-M5-VCP	1623	A342725	34078434	Centerless Plunge	Low Carbon - Annealed Steel - Under 3/8 Part Diameter
20 x 6 x 12		1	A80-L5-VCP	1623	A342726	34078435	Centerless Plunge	Low Carbon - Annealed Steel - Fine Forms
		1	HA60-J-V	1623	AT347366	347366	Centerless Throughfeed	Tool Steels, Pins, Punches, Etc.
		1	WAA60-K8-VCT	1623	A342713	34078422	Centerless Throughfeed	General Purpose
		1	WAA60-L8-VCT	1623	A342714	34078423	Centerless Throughfeed	General Purpose - Longer Life
		1	WAA80-L8-VCT	1623	A342715	34078424	Centerless Throughfeed	Medium Carbon - Hardened Steel - Under 1/4 Part Dia.
		1	GC802-L10-VD6	1623	A359366	34078437	Centerless Grinding	Ceramic, Glass, Stainless, Inconel Tube
		1	22A60-K-V	1623	AT347367	347367	Centerless Throughfeed	General Purpose
		1	22A80-L-V	1623	AT347368	347368	Centerless Throughfeed	General Purpose - Longer Life - Better Finish

1-800-851-1095

20" to 30" DIAMETER GRINDING WHEELS

DIMENSIONS	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE	GENERAL APPLICATION
20 x 6 x 12 (Cont.)		1	7A60-K9-VA6	1623	† A359221	34079007	Centerless Grinding	Tool Steels, Pins, Punches, Etc.
		1	CA54-Q8-B7595	1815	Q267352	34078983	Centerless Throughfeed	General Purpose - Heavy Feed
		1	CA54-Q6-B	1815	Q342487	34078987	Centerless Throughfeed	General Purpose - Heavy Feed
20 x 8 x 12		1	A60-L5-VCP	1623	A342727	34078436	Centerless Plunge	Low Carbon - Annealed Steel - Over 3/8 Part Diameter
		1	HA60-J-V	1623	AT347361	347361	Centerless Throughfeed	Tool Steels, Pins, Punches, Etc.
		1	WAA60-K8-VCT	1623	A342716	34078425	Centerless Throughfeed	General Purpose
		1	WAA60-L8-VCT	1623	A342717	34078426	Centerless Throughfeed	General Purpose - Longer Life
		1	WAA80-L8-VCT	1623	A342718	34078427	Centerless Throughfeed	Medium Carbon - Hardened Steel - Under 1/4 Part Dia..
		1	22A60-K-V	1623	AT347362	347362	Centerless Throughfeed	General Purpose
		1	22A80-L-V	1623	AT347363	347363	Centerless Throughfeed	General Purpose - Longer Life - Better Finish
		1	CA54-Q-6-B	1815	Q342488	34078988	Centerless Throughfeed	General Purpose - Heavy Feeds
		1	CA80-R7-B	1815	Q381424	34078990	Centerless Throughfeed	General Purpose - Good Finish
		1	CA60-P-B	1815	QT347364	347364	Centerless Throughfeed	General Purpose - Heavy Feed
		1	CA60-R-B	1815	QT347365	347365	Centerless Throughfeed	General Purpose - Heavy Feed
	24 x 3/16 x 1-3/4		1	A24-Z-BNF6	2260	T629790	34079203	Reinforced Cut-Off
24 x 2 x 12		1	A60-L5-V1	1355	A303341	34078216	Cylindrical Grinding	Soft Annealed Steel
24 x 4 x 12		1	WAA80-L8-VCT	1355	A342719	34078428	Centerless Throughfeed	Medium Carbon - Hardened Steel - Under 1/4 Part Dia.
24 x 6 x 12		1	WAA60-K8-VCT	1353	A342720	34078429	Centerless Throughfeed	General Purpose
		1	22A60-K-V	1353	AT347355	347355	Centerless Throughfeed	General Purpose
		1	22A80-L-V	1353	AT347356	347356	Centerless Throughfeed	General Purpose - Longer Life - Better Finish
		1	CA60-P-B	1512	QT347357	347357	Centerless Throughfeed	General Purpose - Heavy Feed
		1	CA60-R-B	1512	QT347358	347358	Centerless Throughfeed	General Purpose - Heavy Feed
24 x 8 x 12		1	WAA60-K8-VCT	1353	A342721	34078430	Centerless Throughfeed	General Purpose
		1	WAA60-L8-VCT	1353	A342722	34078431	Centerless Throughfeed	General Purpose - Longer Life
		1	22A60-K-V	1353	AT347350	347350	Centerless Throughfeed	General Purpose
		1	CA54-Q6-B	1512	Q342490	34078989	Centerless Throughfeed	General Purpose - Heavy Feeds
		1	CA60-P-B	1512	QT347352	347352	Centerless Throughfeed	General Purpose - Heavy Feed
24 x 10 x 12		1	CA60-R-B	1512	QT347353	347353	Centerless Throughfeed	General Purpose - Heavy Feed
		1	WAA60-K8-VCT	1353	A342491	34078420	Centerless Throughfeed	General Purpose
		1	CA60-P-B	1512	QT347347	347347	Centerless Throughfeed	General Purpose - Heavy Feed
24 x 20 x 12		1	CA60-R-B	1512	QT347348	347348	Centerless Throughfeed	General Purpose - Heavy Feed
		1	WAA60-K8-VCT	1353	A342723	34078432	Centerless Throughfeed	General Purpose
		1	22A60-J-V	1353	AT355339	355339	Centerless Throughfeed	General Purpose
		1	22A60-L-V	1353	AT347343	347343	Centerless Throughfeed	General Purpose - Longer Life
30 x 1/4 x 1-3/4		1	CA60-R-B	1512	QT347345	347345	Centerless Throughfeed	General Purpose - Heavy Feed
		1	A24-Z-BNF6	1810	T629871	34079381	Reinforced Cut-Off	High Performance
30 x 2 x 12		1	WAA60-K8-V1	1085	A267363	34078204	Cylindrical	General Purpose
		1	GC60-J5-VL	830	A019801	34077944	Cylindrical	Rough Grind - Carbide
30 x 3 x 12		1	WAA60-K8-V1	1085	A267365	34078205	Cylindrical	General Purpose

SEGMENTS

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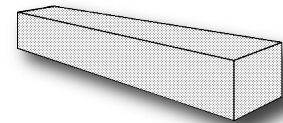
STYLE	OTHER DIMENSIONS	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE		
RA2	4-3/16 x 2 x 5-1/2	50	RA46-H5-V826401		* P527971	34146690	Sharpening Planer & Chipper Knives		
NO	5 x 1-1/2 x 6	50	RAA54-F1-VOS	51054	† P362763	34079096	Hardened Steel - 40 to 50 Hp		
		50	RAA46-F2-VOS		P5525	34079111	Hardened Steel - 40 to 50 Hp		
		50	9A36.1-F1-VOS	1913	P5534	34079114	Heat Sensitive Materials - Cool, Free Cutting		
		50	97A24-F800-VOS	1913	P354572	34078943	General Purpose - Up to 35 Hp		
		50	97A30-G800-VOS	1913	P282355	34078931	General Purpose - Up to 35 Hp		
		50	97A30-H800-VOS	1913	P282356	34078932	General Purpose - 75 to 150 Hp		
		50	97A30-I800-VOS	1913	P282357	34078933	General Purpose - Above 150 Hp		
		50	RAA24-F800-VOS	1913	P443260	34078977	Hardened Steel - Up to 35 Hp		
		50	RAA30-E800-VOS	1913	P415329	34078971	Hardened Steel - Up to 35 Hp		
		50	RAA30-F800-VOS	1913	P402451	34078958	Hardened Steel - Up to 35 Hp		
		50	RAA30-G800-VOS	1913	P388002	34078955	Hardened Steel - 40 to 50 Hp		
		50	RAA30-H800-VOS	1913	P443261	34078978	Ceramic Abrasives - Above 75 Hp		
		50	7BP30-G800-VOS	1913	P336197	34078935	Ceramic Abrasives - Above 75 Hp		
		STG 18A	6-3/4 x 1-1/2 x 6	50	97A24-F800-VOS	2063	P354577	34078944	General Purpose - Up to 35 Hp
				50	97A30-F800-VOS	2063	P443261	34078945	General Purpose - Up to 35 Hp
50	RAA24-F800-VOS			2063	P443262	34078979	Hardened Steel - Up to 35 Hp		
50	RAA30-E800-VOS			2063	P415328	34078970	Hardened Steel - Up to 35 Hp		
50	RAA30-F800-VOS			2063	P391606	34078956	Hardened Steel - Up to 35 Hp		
50	RAA30-G800-VOS			2063	P413863	34078964	Hardened Steel - 40 to 50 Hp		
CD	11-1/4 x 2-1/4 x 6	50	97A24-F800-VOS	2697	P354553	34078940	General Purpose - Up to 35 Hp		
		50	97A24-G800-VOS	2697	P051	34078925	General Purpose - 40 to 50 Hp		
		50	97A24-H800-VOS	2697	P040	34078924	General Purpose - 75 to 150 Hp		
		50	97A30-F800-VOS	2697	P282324	34078926	General Purpose - Up to 35 Hp		
		50	97A30-G800-VOS	2697	P282325	34078927	General Purpose - 40 to 50 Hp		
		50	97A30-H800-VOS	2697	P282326	34078928	General Purpose - 75 to 150 Hp		
		50	RAA24-F800-VOS	2697	P376569	34078949	Hardened Steel - Up to 35 Hp		
		50	RAA24-G800-VOS	2697	P443258	34078975	Hardened Steel - 40 to 50 Hp		
		50	RAA30-E800-VOS	2697	P369114	34078948	Hardened Steel - Up to 35 Hp		
		50	RAA30-F800-VOS	2697	P380333	34078951	Hardened Steel - Up to 35 Hp		
		50	RAA30-G800-VOS	2697	P380334	34078952	Hardened Steel - 40 to 50 Hp		
		50	RAA30-H800-VOS	2697	P380335	34078953	Hardened Steel - Above 75 Hp		
		50	9A30-E800-VOS	2697	P415048	34078968	Heat Sensitive Materials - Cool, Free Cutting		
		50	9A30-F800-VOS	2697	P415049	34078969	Heat Sensitive Materials - Cool, Free Cutting		
		50	9A30-G800-VOS	2697	P410386	34078960	Heat Sensitive Materials - Cool, Free Cutting		
		50	9A30-H800-VOS	2697	† P360304	34078946	Heat Sensitive Materials - Cool, Free Cutting		
		50	8A24-F800-VOS	2697	† P354555	34073819	Hardened Steel - Up to 35 Hp		
		50	7BP30-F800-VOS	2697	P336422	34078936	Ceramic Abrasives - 25 to 50 Hp		
		50	7BP30-G800-VOS	2697	P339914	34078937	Ceramic Abrasives - Above 75 Hp		
		50	RAA46-E2-VOS	51046	P4872	34079101	Heat Sensitive Materials - Cool, Free Cutting		
		50	RAA80-D3-VOS	51046	P367221	34079098	Heat Sensitive Materials - Cool, Free Cutting		
		50	9A30-I3-VOS	51046	P362769	34079097	Heat Sensitive Materials - Cool, Free Cutting		
		50	RAA46-D2-VOS	2697	P5463	34079107	Heat Sensitive Materials - Cool, Free Cutting		
		50	RAA46-G2-VOS	2697	P5464	34079108	Hardened Steel - 40 to 50 Hp		
		50	RAA54-F1-VOS	2697	P5465	34079109	Hardened Steel - 40 to 50 Hp		
		50	7RAA30.1-F1-VOS	2697	P5460	34079104	General Purpose - Up to 35 Hp		
		50	7RAA30.1-H1-VOS	2697	P5461	34079105	General Purpose - 40 to 50 Hp		
		50	7RAA30.1-J3-VOS	2697	P5462	34079106	General Purpose - 75 to 150 Hp		
		50	9A36-F2-VOS	2697	P5471	34079110	Heat Sensitive Materials - Cool, Free Cutting		
		50	9A36-G2-VOS	2697	P5387	34079103	Heat Sensitive Materials - Cool, Free Cutting		
50	9A36-H2-VOS	2697	P5386	34079102	Heat Sensitive Materials - Cool, Free Cutting				
CDXL	11-1/4 X 2-1/4 X 8	50	97A24-G800-VOS	26448	P360631	34078947	General Purpose - 40 to 50 Hp		
		50	97A30-F800-VOS	26448	P322080	34078934	General Purpose - Up to 35 Hp		
		50	RAA24-G800-VOS	26448	P424933	34078974	Hardened Steel - 40 to 50 Hp		
		50	RAA30-F800-VOS	26448	P418947	34078972	Hardened Steel - Up to 35 Hp		
		50	9A30-E800-VOS	26448	P414884	34078967	Heat Sensitive Materials - Cool, Free Cutting		
		50	9A30-G800-VOS	26448	P413105	34078961	Heat Sensitive Materials - Cool, Free Cutting		
CDXTL	11-1/4 x 3 x 8	50	97A24-F800-VOS	26306	P354563	34078941	General Purpose - Up to 35 Hp		
		50	97A30-F800-VOS	26306	P282344	34078929	General Purpose - Up to 35 Hp		
		50	97A30-G800-VOS	26306	P282345	34078930	General Purpose - 40 to 50 Hp		
		50	RAA24-F800-VOS	26306	P443259	34078976	Hardened Steel - Up to 35 Hp		
		50	RAA30-E800-VOS	26306	P414761	34078965	Hardened Steel - Up to 35 Hp		
		50	RAA30-F800-VOS	26306	P404103	34078959	Hardened Steel - Up to 35 Hp		
		50	RAA30-G800-VOS	26306	P414762	34078966	Hardened Steel - 40 to 50 Hp		
		50	9A30-E800-VOS	26306	P379505	34078950	Heat Sensitive Materials - Cool, Free Cutting		
		50	9A30-F800-VOS	26306	P383691	34078954	Heat Sensitive Materials - Cool, Free Cutting		
		50	9A30-G800-VOS	26306	P413561	34078962	Heat Sensitive Materials - Cool, Free Cutting		
		50	9A30-H800-VOS	26306	P413562	34078963	Heat Sensitive Materials - Cool, Free Cutting		
		50	7BP30-F800-VOS	26306	P352050	34078939	Ceramic Abrasives - 25 to 50 Hp		
		50	7BP30-G800-VOS	26306	P342470	34078938	Ceramic Abrasives - Above 75 Hp		
		50	9A36-F2-VOS	26306	P5533	34079113	Heat Sensitive Materials - Cool, Free Cutting		
		AA-1	11-5/16 X 2-1/8 X 6	50	9A36-G2-VOS	51029	P5530	34079112	Heat Sensitive Materials - Cool, Free Cutting

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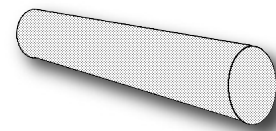
BRICKS, STICKS & STONES

DIMENSIONS	TYPE	SPECIFICATION	PKG QTY	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER	PRODUCT USE
3/8 x 3/4 x 4	60	C150-G8-VL		† F088021	34079031	Dresser Stick
	60	WA90-L5-V2		F087750	34078599	Jointer Stone
	60	WA100-Coarse		† F230006	34079083	Conditioning Stick
	60	WA150-Medium		F230005	34079081	Conditioning Stick
	60	WA220-Fine		F230007	34079085	Conditioning Stick
1/2 x 1/2 x 4	60	C24-Q5-VL		F087319	34078592	Dresser Stick
1/2 x 1/2 x 6	60	C24-Q5-VL		F104841	34078630	Dresser Stick
1/2 x 3/4 x 3	60	WA80-L5-V8	20	F087769	34078600	Jointer Stone
1/2 x 3/4 x 4	60	A100-O5-V1	20	F087203	34078590	Jointer Stone
	60	WA80-L5-V8	20	F087785	34078601	Jointer Stone
	60	WA90-L5-V2	20	F087700	34078597	Jointer Stone
	60	GC180-L6-VL	20	F086975	34078589	Carbide Tool Stone
3/4 x 3/4 x 4	60	A100-O5-V1	20	† F087270	34078591	Jointer Stone
	60	C180-L6-VL	20	F087815	34078602	Jointer Stone
	60	WA60-L5-V8	20	F087696	34078596	Jointer Stone
	60	WA80-L5-V1	20	F087491	34078593	Jointer Stone
	60	WA90-L5-V2	20	F087548	34078595	Jointer Stone
	60	WA100-Coarse	20	F222222	34079638	Conditioning Stick
	60	WA150-Medium	20	F211111	34079078	Conditioning Stick
	60	WA220-Fine	20	F233333	34079087	Conditioning Stick
1 x 1 x 6	60	C24-Q5-VL	10	F087343	34044723	Dresser Stick
1 x 1 x 8	60	C24-Q5-VL	10	F287415	34078637	Dresser Stick
1 x 2 x 6	60	A320-M-V1	10	7086789	34079217	Combination Oil Stone
	60	C20-Q5-VL	5	7138886	34079254	Combination Oil Stone
1 x 2 x 8	60	A320-M-V1	10	7086762	34079215	Combination Oil Stone
	60	C280-M5-VL	10	7086770	34079216	Combination Oil Stone
1 x 4 Round	60	C280-L6-VL	10	7087009	34079219	Combination Oil Stone
1-1/2 x 4	60	C100-L5-VL	10	7138878	34079253	Machine Knife Stone
2 x 2 x 6	60	C20-Q5-V64	5	7086878	34079218	Plain Brick

Dressing Sticks are used to condition the grinding wheel face to ensure a free cutting action. Dressing sticks are also used to generate contours on grinding wheels.



Square file applications range from dimensioning keyways to maintain fit, stoning radial faces on router bits, touching-up edges of reamer teeth, and lapping/honing to close tolerances while producing the finest edge on precision instruments, die work and delicate tools.



Round files are ideal for deburring, chamfering, radiusing, lapping, honing, for cleaning radius tools to a burr free edge, and for dimensioning compound curves on templates.

BURR BUSTERS

DESCRIPTION	COLOR	SPECIFICATION	PKG QTY	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER
1-3/8 x 4-1/2 x 6	Green	Carbide	6	F374431	34079039
	Gold	Aluminum Oxide	6	F374430	34079038



For a wide range of touchup and close tolerance jobs, table flatness is absolutely crucial. Radiac's specially designed Burr Busters ensure this flatness. They have an easy to use shape which prevents loading up and is self sharpening. Eliminate slow downs and make shift deburring with our fast, accurate, and easy action product.

Common Dimensional Standards

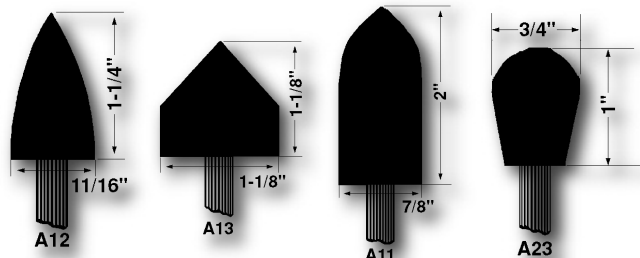
Type "A" Shapes

Shape No.	Diam.	Thick.	Shape No.	Diam.	Thick.
A1	3/4"	2-1/2"	A24	1/4"	3/4"
A2	1"	1-1/4"	A25	1"	1"
A3	1"	2-3/4"	A26	5/8"	5/8"
A4	1-1/4"	1-1/4"	A31	1-3/8"	1"
A5	3/4"	1-1/8"	A32	1"	5/8"
A6	3/4"	1-1/8"	A33	1"	1/2"
A11	7/8"	2"	A34	1-1/2"	3/8"
A12	1-1/16"	1-1/4"	A35	1"	3/8"
A13	1-1/8"	1-1/8"	A36	1-5/8"	3/8"
A14	1-1/16"	7/8"	A37	1-1/4"	1/4"
A15	1/4"	1-1/16"	A38	1"	1"
A21	1"	1"	A39	3/4"	3/4"
A22	3/4"	5/8"	A40	3/4"	3/4"
A23	3/4"	1"			

Type "B" Shapes

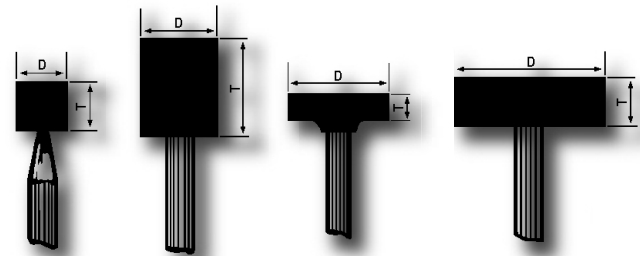
Shape No.	Diam.	Thick.	Shape No.	Diam.	Thick.
B41	5/8"	5/8"	B92	1/4"	1/4"
B42	1/2"	3/4"	B93	3/16"	3/16"
B43	1/4"	5/16"	B94	11/64"	3/32"
B44	7/32"	3/8"	B95	1/8"	3/16"
B45	3/16"	5/16"	B96	1/8"	1/4"
B46	1/8"	5/16"	B97	1/8"	3/8"
B47	1/8"	5/32"	B98	3/32"	1/4"
B51	7/16"	3/4"	B101	5/8"	1-1/16"
B52	3/8"	3/4"	B102	5/8"	1/2"
B53	5/16"	5/8"	B103	5/8"	3/16"
B54	1/4"	1/2"	B104	5/16"	3/8"
B55	1/8"	1/4"	B105	1/4"	1/4"
B61	1/8"	5/16"	B106	1/8"	7/64"
B62	1/2"	3/8"	B111	7/16"	11/16"
B63	1/4"	3/16"	B112	3/8"	1/2"
B64	1/4"	1/16"	B113	1/4"	1/4"
B65	1/8"	1/8"	B114	7/32"	3/8"
B70	3/4"	1/8"	B115	3/32"	1/8"
B71	5/8"	3/32"	B121	1/2"	1/2"
B72	1/2"	1/8"	B122	3/8"	3/8"
B73	1/2"	3/32"	B123	3/16"	3/16"
B74	7/32"	3/32"	B124	1/8"	1/8"
B81	3/4"	3/16"	B131	1/2"	1/2"
B82	1/2"	1/4"	B132	3/8"	1/2"
B83	3/8"	3/16"	B133	3/8"	3/8"
B84	5/16"	3/16"	B134	5/16"	3/8"
B90	1/2"	1/2"	B135	1/4"	1/2"
B91	1/2"	5/8"	B136	1/4"	5/16"

SHAPE	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER
A02-D2	55	WA60-R5-V2	38200	7916749	34079376
A03-D2	55	WA60-R5-V2	16100	7122246	34079220
A05-D2	55	WA60-R5-V2	45000	7122300	34079232
A11-D2	55	A36-Q-V1	19860	7122319	34079233
A12-D2	55	WA60-R5-V2	48000	7122351	34079234
A14-D2	55	WA60-R5-V2	55560	7122394	34079235
A23-D2	55	WA60-R5-V2	39370	7122483	34079236
A25-D2	55	WA60-R5-V2	35620	7122521	34079237
A31-D2	55	WA60-R5-V2	27780	7122548	34079238
A36 D2	55	WA60-R5-V2	23520	7122637	34079239
A38-D2	55	WA60-R5-V2	34500	7122696	34079240
B097-D1	55	WA90-R5-V2	105000	7123170	34079242
B123-D1	55	WA90-R5-V2	104250	7123340	34079243
B132-D1	55	WA60-R5-V2	45370	7123420	34079244



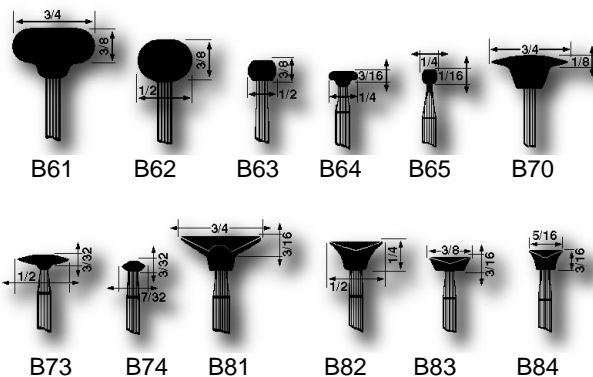
SHAPE	TYPE	SPECIFICATION	MAX RPM	PREVIOUS MATERIAL NUMBER	NEW MATERIAL NUMBER
W154-D1	55	WA90-R5-V2	70500	7123587	34079245
W163-D1	55	WA60-R5-V2	60000	7123714	34105220
W176-D1	55	WA60-R5-V2	45370	7123803	34079246
W185-D2	55	WA60-R5-V2	61500	7123919	34079247
W188-D2	55	WA60-R5-V2	30370	7123978	34079248
W204-D2	55	WA60-R5-V2	42750	7124095	34079249
W217-D2	55	WA60-R5-V2	38200	7124281	34079250
W220-D2	55	WA60-R5-V2	25500	7124362	34079251
W236-D2	55	WA60-R5-V2	25470	7124524	34079252
W242-D2	55	WA60-R5-V2	19100	7161195	34079256

Common Dimensional Standards
Type "W" Shapes & Sizes



Shape No.	Diam.	Thick.	Shape No.	Diam.	Thick.
W141	3/32"	5/32"	W193	5/8"	3/8"
W142	3/32"	1/4"	W194	5/8"	1/2"
W143	1/8"	1/8"	W195	5/8"	3/4"
W144	1/8"	1/4"	W196	5/8"	1"
W145	1/8"	3/8"	W197	5/8"	2"
W146	1/8"	1/2"	W198	5/8"	2-1/2"
W149	5/32"	1/4"	W199	3/4"	1/16"
W151	3/16"	1/8"	W200	3/4"	1/8"
W152	3/16"	1/4"	W201	3/4"	1/4"
W153	3/16"	3/8"	W202	3/4"	3/8"
W154	3/16"	1/2"	W203	3/4"	1/2"
W155	13/16"	1/4"	W204	3/4"	3/4"
W157	1/4"	1/16"	W205	3/4"	1"
W158	1/4"	1/8"	W206	3/4"	1-1/4"
W159	1/4"	3/16"	W207	3/4"	1-1/2"
W160	1/4"	1/4"	W208	3/4"	2"
W161	1/4"	5/16"	W209	3/4"	2-1/2"
W162	1/4"	3/8"	W210	7/8"	1/16"
W163	1/4"	1/2"	W211	7/8"	1/8"
W164	1/4"	3/4"	W212	7/8"	1/4"
W165	5/16"	1/16"	W213	7/8"	3/8"
W166	5/16"	1/8"	W215	1"	1/8"
W167	5/16"	1/4"	W216	1"	1/4"
W168	5/16"	5/16"	W217	1"	3/8"
W169	5/16"	3/8"	W218	1"	1/2"
W170	5/16"	1/2"	W219	1"	3/4"
W171	5/16"	3/4"	W220	1"	1"
W172	3/8"	1/16"	W221	1"	1-1/2"
W173	3/8"	1/8"	W222	1"	2"
W174	3/8"	1/4"	W223	1"	2-1/2"
W175	3/8"	3/8"	W224	1"	3"
W176	3/8"	1/2"	W225	1 1/4"	1/4"
W177	3/8"	3/4"	W226	1 1/4"	3/8"
W178	3/8"	1"	W227	1 1/4"	1/2"
W179	3/8"	1-1/4"	W228	1 1/4"	3/4"
W181	1/2"	1/16"	W229	1 1/4"	1"
W182	1/2"	1/8"	W230	1 1/4"	1-1/4"
W183	1/2"	1/4"	W231	1 1/4"	1-1/2"
W184	1/2"	3/8"	W232	1 1/4"	2"
W185	1/2"	1/2"	W235	1 1/2"	1/4"
W186	1/2"	3/4"	W236	1 1/2"	1/2"
W187	1/2"	1"	W237	1 1/2"	1"
W188	1/2"	1-1/2"	W238	1 1/2"	1-1/2"
W189	1/2"	2"	W239	1 1/2"	2"
W191	5/8"	1/8"	W242	2"	1"

Mandrel Code: D1=1/8" dia. x 1-1/2" long
D2=1/4" dia x 1-1/2" long



AVAILABILITY

ABRASIVES	GRIT SIZE	HARDNESS	STRUCTURE	BOND
Aluminum Oxides	Coarse	E - Soft	Blank - Standard	P4-Aggressive
WA - Friable	36,46,60	F	900 series - Open structure	High Stock Removal
8A - semifriable		G		
WAA - Semifriable		H		
Silicon Carbides	Medium	I		
GC - Friable	80,90,100, 120	J		
C - Durable		K		
Combinations	Fine	L		
CWA - Silicon Carbide & Aluminum Oxide	150, 180, 220	M		
9BL - Ceramic Mixture	280, 320	N		
8BP - Ceramic Mixture		O		
		P		
		Q - Hard		

APPLICATION/RECOMMENDATION FOR CUTLERY AND CLEARING

APPLICATION	PART	MATERIAL	GRIND LENGTH	SPECIFICATION
Hollow Grind Type 6, 6A, 6B	Knife Blades	Carbon Steel	3" or less	8A120-H-P4
			Over 3"	8A80-H-P4
	Stainless Steel	3" and less	8A120-J-P4	
		ATS-34	All	8A120-H-P4
Hollow Grind Type 1	Knife Blades	Carbon Steel	3" or less	8A120-M-P4
			Over 3"	8A80-M-P4
Flat Grind Type 2, 2A, 2B, 52	Knife Blades	Carbon Steel	All	8A80-H-P4
		ATS-34	All	8A120-H-P4
	Putty Knives	Carbon Steel	All	8A120-H-P4
		Stainless Steel	All	8A80-H-P4
	Scraper Blades	Carbon Steel	All	8A120-J-P4
	Chisels	Carbon Steel	All	8A80-H-P4
Flat Grind Type 1	Rotary Blades	Caron Steel	All	8A150-H-P4
		Stainless Steel	All	8A150-J-P4
	Surgical Blades	Stainless steel	All	WAA320-H-P4
Clearance	Drill Bits	All Steels	Up to 5"	9PL80-K922-P4
Grind			Over 5"	9BL80-M922-P4



1-800-851-1095

PRECISION (SOFT) RUBBER

MATERIAL	TYPE OF GRINDING	STARTING SPECIFICATIONS	
		GRINDING	POLISHING
<u>Aerospace Turbine Blades</u>			
Titanium/Nimonic	Bench	A60-M-R95	C80-R-R75
Inconel	Portable	A80-M-R95	C80-R-R75
	Bench	A60-M-R95	A80-R-R75
Steel	Portable	A80-M-R95	A100-N-R75
	Bench	A60-M-R95	C100-R-R75
Stainless	Portable	A80-M-R95	A100-N-R75
	Bench	A60-M-R95	C100-R-R75
Nickel Alloy	Portable	A80-M-R95	A100-N-R75
	Bench	A60-M-R95	A80-L-R75
<u>Tool Room Mfg. & Maint.</u>			
Rotary Cutting Tools	Flute		WAA100-W-R100
	Clearing	WAA100-W-R100	
Specialty Drills (Dental, Prosthesis)	Flute	WAA100-P-R105	
Bearing Races	Race	WAA100-P-R105	
Twist Drill	Bench	A46-M-R75	
HSS Drill Bit/End Mill Sharpening	Bench	A240-M-R85	
Carbide Drill Bit Sharpening	Bench	A240-M-R85	
<u>Weld Blending and Deburring</u>			
Braze between carbide tips & holder	Bench	A46-P-R75	
Stainless Steel	Portable	A46-K-R90	A60-Q-R75
	Bench	A46-M-R95	A60-Q-R75
<u>Cutlery and Hand Tools</u>			
Knives (hollow grinder)	Surface		A100-M-R70
Scissors	Surface	RAA120-M-R85	
Knives	Surface	RAA120-M-R85	
Knife Bolsters	Surface	A120-P-R95	
High Carbon Steel (scale removal)	Bench	A46-K-R95	A60-L-R80
<u>Miscellaneous</u>			
Jewelry	Bench	A240-L-R85	
Saw Blanks	Surface		A60-K-R90
Glass Edging	Surface	A180-N-R70	

THIN REINFORCED RESIN BONDED CUT-OFF WHEELS	DIMENSION	THICKNESS	ALUMINUM	SILICON	REINFORCEMENT	
	PER DIAMETERS		OXIDE	CARBIDE	CODE	
	1"	.0312 - .040	(1/32)	A 13-80	C 13-80	HSS only
	2"	.0312 - .040	(1/32)	A 13-80	C 13-80	HSS or HSC
	2-1/2"	.050 - .0625	(1/16)	A 13-60	C 13-60	HSS or HSC
	3"	.050 - .0625	(1/16)	A 13-60	C 13-60	HSS or HSC
	3-1/2"	.937 - .125	(1/8)	A 13-24	C 13-24	HSS or HSC
	4"	.937 - .125	(1/8)	A 13-24	C 13-24	HSS or HSC

For deburring, hand cutting and small weld clean up. Aluminum Oxide wheels suitable for steel. Silicon Carbide for glass, ceramic and new alloys.

HSS - Side Reinforced
HSC - Center Reinforced



Free
Cut
↓
Long
Life

	BOND	ABRASIVE	GRIT	GRADE
	R30	A	120	F, M, R
	R35	A,C	80, 90, 100, 120	F, M, R
	R40	A	60, 80, 90, 100, 120	F, M, R
	R45	A	90, 100, 120, 150, 180, 240	F, M, R
	R50	A	80, 90, 100, 120, 150	F, M, R
	R55	A	150, 180, 240, 320, 400	F, M, R
	R60	A, C	120, 160, 180, 240, 320, 400	F, M, R, U

SPECIALTY/RUBBER CUT-OFF

For industries that manufacture control cables, magnets, thin wall stainless steel tubing and other exotic materials. Where tight tolerances and burr-free cuts are a must.

CUT-OFF WHEELS FOR METALLURGICAL SPECIMENS

For fast, accurate, burr-free finishes with no structural changes of material. High precision cuts.

DIMENSIONAL AVAILABILITY

Diameter	Thickness	Thickness Tolerance
2"-3"	.004-.030"	± .001"
4"	.005-.030"	± .001"
5"	.008-.030"	± .001"
6"	.010-.030"	± .001"
7"	.014-.030"	± .001"
8"-12"	.020-.032"	± .003"
>12"-20"	.032-.185"	± .005"

* ALL RUBBER CUTOFFS ARE MANUFACTURED ITEMS.

APPLICATION	MATERIAL	STARTING SPECIFICATION
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Automotive Industry

Tungsten Contacts	Tungsten	A120-M-R60
Sprag Clutches	Mild Steel	A120-M-R60
Control Cables	Hardened Steel	A150-M-R45
Pump Valves	Hardend Steel	A120-M-R60
Diesel Glow Plugs	Alnico	A90-F-R35
Forgings and Castings	Various	A90-F-R35
Piston Ring Slotting	Hardened Steel	A120-M-R50

Aerospace Industry

Metallurgical Sampling	High Nickel Alloy, Titanium	A90-F-R35
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Medical Industry

Hypodermic Needles	Stainless Steel	A400-F-R55
Dental Slotting	False Teeth	A150-M-R55

Electrical Industry

Transformer Cores	Epoxy Laminated Steel	A120-M-R50
Contacts	Tungsten, Silver, Molybdenum	A120-M-R60
Wires/Slugs	Tungsten, Silver, Molybdenum	A120-F-R35
Magnets	Alnico	C120-F-R35
Light Components	Tungsten, Molybdenum, Nickel	A90-M-R45
Thermocouples	Ceramic	C320-M-R60

General Industries

Pen Nibs	Stainless Steel	A400-U-R60
Computer Printing Heads	Tungsten, Steel	A120-F-R35
Collet Slotting	Mild Steel	A60-M-R40
Drills, Taps, End Mills	HSS	A120-M-R30
		A120-M-R60
Carding Wire, Side Grinding	Stainless Steel	A120-M-R60
Tube Cutting	Brass, Copper	C320-M-R60
	Aluminum	A240-M-R55
	Stainless Steel	A400-F-R55
Fork Pronging	Mild Steel	A120-M-R45
Saw Blade Sharpening	Hardened Steel	A100-R-R45
Shower Hose	—	A120-M-R45
Ejector Pins	Hardened Steel	A120-F-R35

1-800-851-1095

GRINDING RECOMMENDATIONS

Material & Job	Recommended Specification	Material & Job	Recommended Specification	Material & Job	Recommended Specification
A286 Surface		Bronze, Hard		Connecting Rods	
Form Grinding.....	WAA60-I8-V8	Cylindrical.....	WAA46-M5-V1	Internal.....	RAA60-K8-V8
Acrylics		Centerless.....	WAA60-L5-V1	Surface, Segments.....	97A30-H800-VOS
Centerless.....	C60-J5-V4	Snagging		Crankshaft, Automotive	
Cut-Off.....	C60-O5-B20	9500 SFPM.....	CA16-Q5-B10	Pin Bearing.....	WAA54-M5-V1
Alnico		Cups, Cones.....	CA16-O5-B10	Main Bearing.....	WAA54-M5-V1
Centerless.....	CA54-Q6-RB9	Cut-Off Castings.....	A24-R5-B20F8	Regrinding.....	WAA54-M5-V1
Cylindrical.....	WAA60-L8-V1	Bushings		Crankshaft, Diesel	
Surface.....	WRA46-G8-V8	Cylindrical.....	WAA60-K8-V1	Pin Bearing.....	WAA54-M5-V1
Surface (Segments).....	WRA30-G800-VOS	Centerless.....	WAA60-L8-V1	Main Bearing.....	WAA54-M5-V1
Surface (Cylinder).....	WRA30-H800-VOS	Internal.....	RAA60-K8-V8	Cutlery, Knives	
Internal.....	RAA60-K8-V8	Cams, Automotive		Hemming Carbon.....	WAA80-I5-B60
Cut-Off.....	A60-O5-B20F8	Roughing.....	WAA60-M8-V1	Stainless.....	RAA70-I5-B60
Aluminum		Finishing.....	WAA80-M8-V1	Offhand Surfacing.....	WAA120-J8-V1
Centerless-Bars.....	C46-K8-V4	Cams, Diesel		Cutters, Molding	
Cylindrical.....	C54-J8-V4	Roughing.....	43A60-L8-V1	Offhand.....	WRA60-L5-V8
Surface.....	C36-I8-V4	Finishing.....	43A80-L8-V1	Dies, Forging	
Surface (Segments).....	9A54-F800-VOS	Carbides	Same As Cemented Carbides	Cleaning.....	A46-M-V1
Surface (Cylinder).....	9A54-F800-VOS	Carboly	Same As Cemented Carbides	Dies, Drawing	
Internal.....	C36-J5-V4	Cast Iron		Cleaning.....	WRA60-J8-V8
Snagging		Cylindrical.....	C46-K8-V4	Surface, Segments.....	8A30-G800-VOS
6500 SFPM.....	C24-N5-B10	Centerless.....	C46-L8-V4	Surface, Cylinder.....	RAA46-H800-VOS
9500 SFPM.....	C16-N5-B10	Internal.....	C46-K8-V4	Surface, T-1.....	RAA46-G800-VOS
Cut-Off (Reinf.).....	A24-Z-BLF2	Surface.....	C36-I8-V4	Drills	
Bearings	Consult Product Engineering	Cyl. & Seg.	9A30-G800-VOS	Cut-Off.....	A46-P5-B20
Billets and Slabs		Snagging		Cylindrical.....	WAA60-L8-V1
Alloy Tool, High Carbon, High Speed,		9500 SFPM.....	YB143-P5-B51F	Centerless.....	WAA60-L8-V1
Titanium Alloy and Stainless		12500 SFPM.....	YB124-R5-B51F	Precision Sharpening.....	WRA80-L8-V1
9500 SFPM		Portable.....	CA16-P5-B10	Point Thinning.....	A70-M5-B10
Swing Frame.....	YB124-R5-B51F	Cemented Carbides		Drills	
12500 SFPM		Roughing		Small, Regrinding.....	WRA80-L8-V8
Swing Frame.....	YB123-S5-B51F	Straight Wheel.....	GC60-J5-VL	Large, Regrinding.....	WRA46-L8-V8
9500 SFPM Str. & Cups.....	A16-Q5-B10	Dish Wheel.....	GC60-J5-VL	Exotic (Refractory) Metals	
Bolts		Plate Mounted.....	GC60-J14-VL	Centerless.....	WRA60-K8-V1
Cylindrical.....	WAA60-M8-V1	Finishing		Surface, T-1.....	RAA46-G800-VOS
Centerless.....	WAA60-N8-V1	Straight Wheel.....	GC120-J5-VL	Surface, Segments.....	8A30-G800-VOS
Brass		Plate Mounted.....	GC120-J14-VL	Ferro-tic	
Cylindrical.....	C36-L8-V4	Centerless.....	GC80-M7-V4	Roughing.....	RAA46-G800-VOS
Centerless.....	C36-M8-V4	Cylindrical		Finishing.....	9A100-G800-VOS
Internal.....	C46-K8-V4	Roughing.....	GC60-K5-V4	Forgings	
Snagging		Finishing.....	GC120-O5-V4	Snagging	
9500 SFPM.....	C24-M5-B10	Internal.....	GC80-L5-V4	12500 SFPM.....	YB124-R5-B51F
Portable.....	C20-M5-B10	Chaser		9500 SFPM.....	A14-P5-B10
Cones.....	C24-O5-B10	Thread		Portable.....	A16-P5-B10
Discs.....	C16-K5-B36	Surfacing.....	WRA60-J5-V8	Surface, Segments.....	97A30-G800-VOS
Brick, Vitrified		Chisels		Surface, Cylinder.....	WAA301-G8-V8
Cut-Off.....	C24-S5-B20F8	Air-driven.....	A46-M5-V1	Gages--Plug	
Broaches		Woodworking		Cylindrical.....	WAA80-K8-V8
Sharpening.....	WRA60-J5-V8	Surfacing.....	WAA46-I5-V8	Gages, U.S. Thread	
Bronze, Soft	Same As Brass	Edging.....	WAA60-K5-V8	Coarse Pitch.....	XL1002-T12-BFM2
		Sharpening.....	WAA80-J5-V8	Medium Pitch.....	XL1502-T12-BFM2
		Chromium Plating			
		Commercial Finish.....	RA80-K8-V8		
		Fine Finish.....	RA120-J8-V8		

Material & Job	Recommended Specification
Gages, Hardened Steel	
18-20 DP	RAA120-J8-V8
5-18 DP	RAA60-I8-V8
2-5 DP	RAA60-I8-V8
Gears, Hardened Steel	
Internal.....	RAA60-K8-V8
Surface, Segments.....	8A30-H800-VOS
Surface, Cylinder.....	RAA46-H800-VOS
Surface, T-1	RAA46-G800-VOS
Glass, Tubing	
Cylindrical	C60-J5-V4
Internal	C80-H5-V4
Gray Iron ... See Malleable Iron - Unannealed	
Hammers, Claw A46-R5-B10 or A30-R5-B10	
Hobs	
T-1 Wheels.....	WRA60-J8-V8
Dish Wheels	WRA60-K8-V8
Knives See Cutlery	
Knives, Machine	
Barker, Hog Planer, Low Alloys and Carbon Steels	
T-1 Sharpening	RAA60-J800-VOS
Cyl. Sharpening.....	WA462-F11-V8
Seg. Sharpening	8A30-G800-VOS
NI Cyl. Sharpening.....	A46-I5-B60
Chipper, Paper, Veneer, Thin High Speed	
T-1 Sharpening	RAA60-I800-VOS
Cyl. Sharpening.....	WA462-F11-V8
Seg. Sharpening	8A30-H800-VOS
NI Cyl. Sharpening.....	A46-I5-B60
Molding, Offhand	WAA46-L8-V8
Section Beveling.....	WAA36-K8-V8
Surfacing Backs	WAA46-J8-V8
Lawn Mower Blades WAA46-L8-V8	
Leather See Acrylics	
Machine Shop Grinding	
General Offhand	A46-M5-V1
Gen. Seg. Grind.....	97A30-G800-VOS
Malleable Iron - Annealed	
Snagging	
12500 SFPM Snagging.YB124-R5-B51F	
9500 SFPM.....	YB124-Q5-B51F
Portable	A16-P5-B10
Malleable Iron - Unannealed	
Snagging	
12500 SFPM Snagging.YB123-R5-B51F	
9500 SFPM.....	YB123-Q5-B51F
Portable.....	CA16-P5-B10
Meehanite Same As Cast Iron	

Material & Job	Recommended Specification
Monel Metal	
Cut-Off.....	A24-ZX-BNF2
Snagging	A24-P5-B10
Cylindrical	C60-J8-V4
Ni Hard	
Surfacing (Segments).....	97A30-G800-VOS
Nitalloy	
Before Nitriding.....	WAA60-K8-V1
After Nitriding	WAA80-J8-V1
Pipe, Cast Iron	
Internal	C16-S5-V4
Pipe, Soft Steel	
Cut-Off	A30-R5-B20
Pistons, (Aluminum and Cast Iron)	
Cylindrical.....	C46-L8-V4
Centerless	C46-M8-V4
Regrinding.....	WAA46-J8-V1
Piston Pins, Centerless	
Roughing	WAA60-L8-V1
Plastics See Acrylics	
Plexiglass See Acrylics	
Polystyrene See Acrylics	
Porcelain	
Cylindrical.....	C46-L8-V4
Centerless	C36-L8-V4
Ramet Same As Cemented Carbides	
Reamers	
Backing off	WRA46-J8-V8
Cylindrical	WAA80-L8-V1
Rexalloy See Stellite	
Rock Bits	
Carbide.....	C60-J5-V4
Roller Bearing Cups	
Centerless	A60-L5-V1
Cylindrical	WAA60-L8-V8
Internal	RAA54-K8-V8
Rollers for Bearings	
Centerless	CA90-Q6-RB9
Rolls, Cast Iron C36-I5-B35	
Rolls, Chrome Pltd. RAA60-J8-V1	

Material & Job	Recommended Specification
Rolls, Paper Mills, Chilled Iron, Rubber Covered Stonite, Granite, Brass, Copper	
Roughing	C36-N-ES
Rough & Finish	C60-L-ES
Finish	C100-L-ES
Aluminum Mill Rolls Same As Cold Mill Rolls	
Cold Mill Back Up Rolls ... WAA36-J5-B35	
Cold Mill Work Rolls (Tandem)	
First Stand.....	WAA36-J5-B35
Other Stands.....	SA60-J1200-BCFSI
Cold Mill Work Rolls (Temper)	
Final Stand	C150-N-ES
Other Stands	SA60-J1200-BCFSI
Hot Mill Back Up Rolls	
Forged Steel	
on Iron Core	8BAC362-L7-B34
	or 8BAC362-M900-B34
Hot Mill Work Rolls	
(Chilled Iron or Nickel Alloy)	
Regrinding	C362-J5-B35
Roughing New Roll.....	C24-L5-B10
Finishing New Roll.....	C362-J5-B35
Saws, Band	
(16 Gauge & Heavier)..... WRA46-L8-V8	
	or A465-O5-B60
Saws, Band	
(17 Gauge & Lighter)..... WRA60-M8-V8	
	or A465-O5-B60
Saws, Circular	
(Coarse Teeth)	
	WRA46-M8-V8
	or A465-O5-B60
Saws, Circular (Fine Teeth) ... WRA60-M8-V8	
	or A465-O5-B60
Saws, Metal Cutting WRA46-M8-V8	
	or A465-O5-B60
Scissors and Shears (Steel)	
Resharpener	
Small Wheels	WRA120-L8-V1
Large Wheels	WRA90-L8-V1
Shear Blades	
Cylinder	97A30-G800-VOS
Segments.....	97A30-H800-VOS
Side Gears, Auto WRA60-K8-V1	
Slate	
Cut-Off	C24-S5-B20F8
Molding.....	C46-L8-V4

Material & Job **Recommended Specification**

Spline Shafts

- CenterlessA60-L5-V1
- CylindricalWAA60-L8-V1
- Surfacing SplinesWAA60-L8-V1

Steel Castings

- Snagging
- 12500 SFPMYB143-R5-B51F
- 9500 SFPMA16-R5-B10
- PortableA16-R5-B10

Steel, Hardened

- CenterlessWAA60-L8-V1
- CylindricalWAA60-K8-V1
- Surface, Segments8A30-H800-VOS
- Surface, CylinderRAA30-G800-VOS
- Surface, T-1RAA46-G800-VOS
- InternalRAA60-K8-V8
- Cut-OffA46-P5-B20F8

Steel, Soft

- CenterlessA60-L8-V1
- CylindricalA60-K8-V1
- Surface, Segments97A30-H800-VOS
- Surface, T-197A46-H800-VOS
- InternalRAA60-K8-V8
- Cut-OffA46-P5-B20F8

Steel, Tool & High Speed

- CenterlessWAA60-L8-V1
- CylindricalWAA60-J8-V1
- Surface, Segments8A30-G800-VOS
- Surface, CylinderWA301-G8-V8
- Surface, T-1WRA60-J8-V8

Material & Job **Recommended Specification**

Steel, Stainless

- Centerless
- 300 SeriesWAA60-K8-V1
- 400 SeriesWAA60-K8-V1
- CylindricalWAA60-K8-V1
- InternalRAA60-K8-V8
- Surface, Segments8A30-H800-VOS
- Surface, CylinderWRA30-G800-VOS
- Surface, T-1RAA60-H800-VOS
- Cut-OffA46-P5-B20F8

Stellite

- CylindricalWAA60-L8-V8
- OffhandWAA46-L8-V8
- Surface, Segments8A30-G800-VOS
- Surface, CylinderRAA30-G800-VOS
- Surface, T-1RAA60-H800-VOS
- Cut-OffA46-P5-B20F8
- Tool & CutterWRA60-I8-V8
or RA60-H800-VOS

TantalumSame As Steel,
Tool and High Speed

TangtungSame As Steel, Tool
and High Speed

Taps

- Grinding ReliefWRA80-K8-V8
- Fluting
- Small TapsXL902-S12-BFM2
- Large TapsXL802-S12-BFM2
- ThreadingXL1801-S12-BFM2
- Shanks
- CylindricalWAA60-K8-V1

Terra Cotta

Cut-OffC24-S5-B20F8

Tile

Cut-OffC24-S5-B20F8

Material & Job **Recommended Specification**

Titanium Alloy

- CenterlessCA54-Q6-RB9
- CylindricalC60-J8-V4
- Snagging
- 9500 SFPMYB123-R5-B51F
- PortableC24-P5-B10
- SurfaceC60-K800-V4

Tubes, Steel

- CenterlessA60-L5-V1
- Cut-OffA46-P5-B20F8

Valves, Automotive

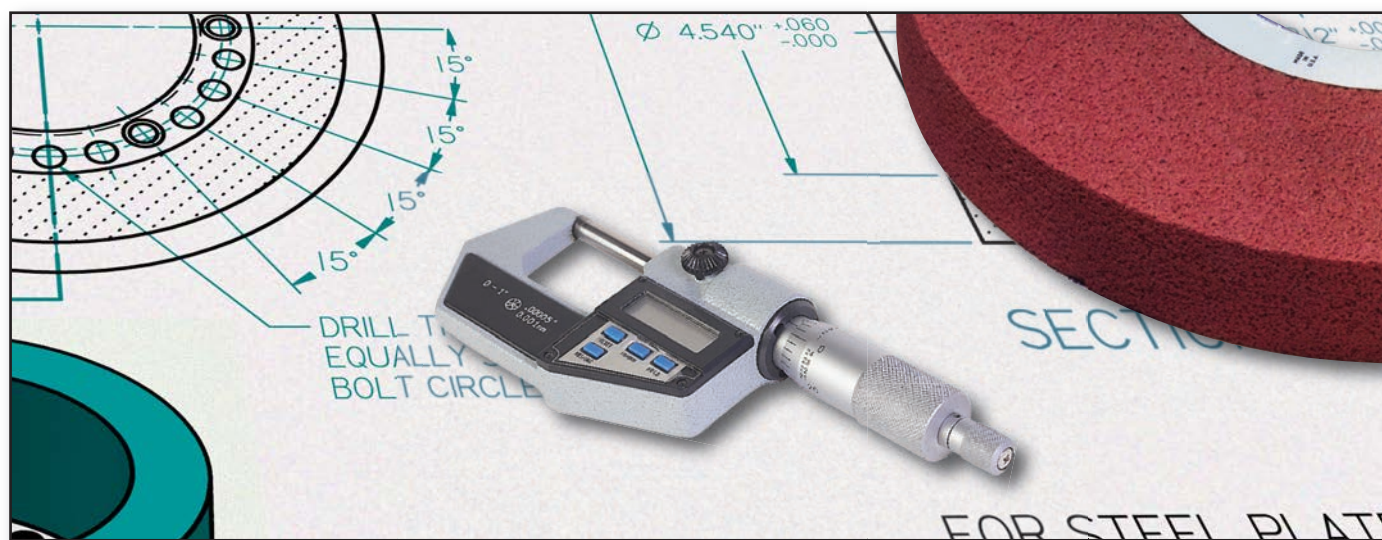
- Cylinder, FacesWAA80-O5-V1
- Cut-Off, StemsA46-P5-B20F8
- Cylinder, Stems
- RoughingA46-M5-V1
- Semi-FinishA60-M5-V1
- FinishingWAA80-O5-V1

Welds

- Depressed Center (Reinforced)
- Fast CutA24-T-B
- Long LifeYNB24-R-B
- Portable Straight and Cup Wheels
- 9500 SFPMA16-P5-B10

Wrenches

- Snagging - Roughing
- 6500 SFPMA24-M5-V1



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