

TIMSCO

PRODUCTS AND SERVICES GUIDE

MRO SUPPLIES



To request a quote or to place an order, please call

214-544-6790

Gas
Equipment

Welding &
Cutting Equipment

Welding
Support

Filler Metals

MRO Supplies

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Cut-Off Machines and Wheels

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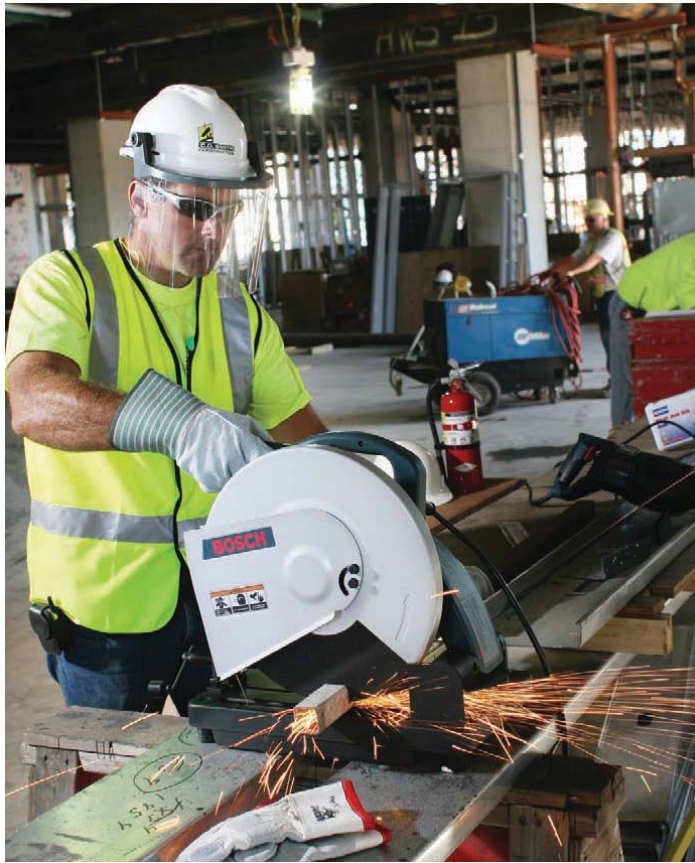
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BOSCH

Bosch 14" Benchtop Abrasive Cut-Off Machine

Includes

- Wrench
- 36 Grit aluminum wheel - BB1400

BOS3814

Specifications	
Amperage	15
Arbor Size	1"
Cutting Capacity Pipe	5"
Cutting Capacity Square Stock	4"
Depth of Cut	6"
Length	11¼"
Max Capacity Pipe O.D.	5"
Max Capacity Square Stock	4"
Max Motor HP	4.0
No Load RPM	3,900
Rating	120 VAC
Spindle Thread	5/8"
Weight (lbs)	42
Wheel Diameter	14"



RADNOR®

Radnor® Large Diameter Reinforced Cut-Off Wheels for Chop Saws (12" - 14")

Features

- Rapid cut - centrally reinforced
- Rough sides

Benefits

- Free cutting, non-binding; burr - and burn-free cuts

Part Number	Size D x T x H	Max RPM	Spec.
RAD64000751	12" x 3/32" x 1"	5,095	A36P
RAD64000752	14" x 3/32" x 1"	4,365	A36P



Radnor® Steel Stud Reinforced Cut-Off Wheels for Chop Saws (14")

Features

- Thin, side-reinforced
- Quality aluminum oxide abrasive

Benefits

- Designed specifically for cutting steel studs
- Clean, burr-free cuts

Part Number	Size D x T x H	Max RPM	Spec.
RAD64000753	14" x 3/32" x 1"	4,365	A36P



Norton® Aluminum Oxide Reinforced 14" Cut-Off Wheel

- High speed reinforced abrasive cut-off wheel
- For use with portable gas and electric-powered saws
- General purpose metal
- Type 1 wheel

Part Number	Size D x T x H	Max RPM
NOR66252837841	14" x 1/8" x 20 mm	5,400



More Wheels on
pages 93-95

RADNOR®

Portable Band Saw Blades

Professional performance and exceptional value.

The Radnor® Advantage

- Long life
 - High-speed steel teeth provide durability and a long lasting cutting edge
- Shatter resistant
 - Bi-metal blades bend to resist breaking and extend blade life

Part Number	Size	TPI	Recommended Material Thickness
RAD64000566	44 $\frac{7}{8}$ " x 1 $\frac{1}{2}$ " x .020"	10/14	$\frac{1}{4}$ " to $\frac{3}{4}$ " and over
RAD64000567	44 $\frac{7}{8}$ " x 1 $\frac{1}{2}$ " x .020"	14	$\frac{1}{4}$ " to $\frac{1}{2}$ "
RAD64000568	44 $\frac{7}{8}$ " x 1 $\frac{1}{2}$ " x .020"	14/18	$\frac{1}{8}$ " to $\frac{1}{2}$ "
RAD64000569	44 $\frac{7}{8}$ " x 1 $\frac{1}{2}$ " x .020"	18	$\frac{1}{8}$ " to $\frac{1}{4}$ "

Use higher speeds for:

Aluminum, brass, magnesium, copper, bronze and mild steel

Use lower speeds for:

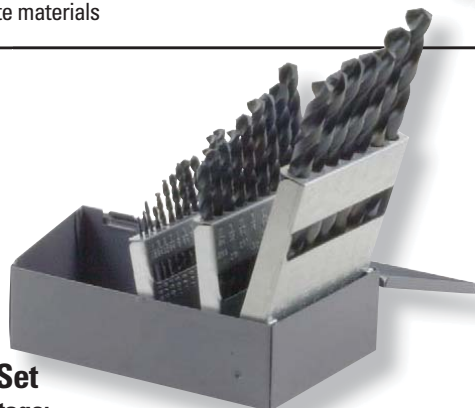
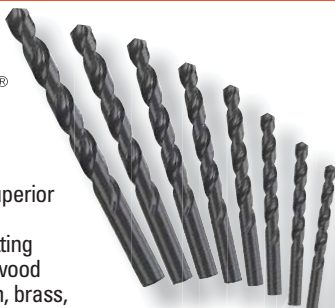
Chrome, tungsten steels, stainless steels, fiberglass and plastic



RADNOR®

Black Oxide Jobber Length Drill Bits

Radnor® black oxide twist drill bits offer superior durability, speed and selection for most general-purpose applications. Best for cutting holes into metal, but work equally well in wood and plastic. Use in steel, copper, aluminum, brass, oak, maple, MDF, pine, PVC, polycarbonate, acrylic, ABS, nylon and composite materials



Full Shank Drill Set

The Radnor® Advantage:

- 135° Split point, self centering – eliminates walking to produce cleaner, straighter holes
- Black oxide finish – provides protective coating to inhibit rust and insure long life
- High-speed steel – maintains a tough, sharp cutting edge for durability and longer cut life
- Jobber length for deeper holes
- Full shanks for maximum torque
- Fractional sizes in $\frac{1}{64}$ " increments

Part Number	Description
RAD64004929	$\frac{1}{16}$ " – $\frac{1}{2}$ " 29-Piece 135° Split Point, Black Oxide, Full Shank Drill Set

Part Number	Description	Diameter (inches)	Qty
RAD64004900	135° Split Point, Black Oxide Drill Bit	$\frac{1}{16}$	12
RAD64004901	135° Split Point, Black Oxide Drill Bit	$\frac{5}{64}$	12
RAD64004902	135° Split Point, Black Oxide Drill Bit	$\frac{3}{32}$	12
RAD64004903	135° Split Point, Black Oxide Drill Bit	$\frac{7}{64}$	12
RAD64004904	135° Split Point, Black Oxide Drill Bit	$\frac{1}{8}$	12
RAD64004905	135° Split Point, Black Oxide Drill Bit	$\frac{9}{64}$	12
RAD64004906	135° Split Point, Black Oxide Drill Bit	$\frac{5}{32}$	12
RAD64004907	135° Split Point, Black Oxide Drill Bit	$\frac{11}{64}$	12
RAD64004908	135° Split Point, Black Oxide Drill Bit	$\frac{3}{16}$	12
RAD64004909	135° Split Point, Black Oxide Drill Bit	$\frac{13}{64}$	12
RAD64004910	135° Split Point, Black Oxide Drill Bit	$\frac{7}{32}$	12
RAD64004911	135° Split Point, Black Oxide Drill Bit	$\frac{15}{64}$	12
RAD64004912	135° Split Point, Black Oxide Drill Bit	$\frac{1}{4}$	12
RAD64004913	135° Split Point, Black Oxide Drill Bit	$\frac{17}{64}$	12
RAD64004914	135° Split Point, Black Oxide Drill Bit	$\frac{9}{32}$	12
RAD64004915	135° Split Point, Black Oxide Drill Bit	$\frac{19}{64}$	12
RAD64004916	135° Split Point, Black Oxide Drill Bit	$\frac{5}{16}$	12
RAD64004917	135° Split Point, Black Oxide Drill Bit	$\frac{21}{64}$	6
RAD64004918	135° Split Point, Black Oxide Drill Bit	$\frac{11}{32}$	6
RAD64004919	135° Split Point, Black Oxide Drill Bit	$\frac{23}{64}$	6
RAD64004920	135° Split Point, Black Oxide Drill Bit	$\frac{3}{8}$	6
RAD64004921	135° Split Point, Black Oxide Drill Bit	$\frac{25}{64}$	6
RAD64004922	135° Split Point, Black Oxide Drill Bit	$\frac{13}{32}$	6
RAD64004923	135° Split Point, Black Oxide Drill Bit	$\frac{27}{64}$	6
RAD64004924	135° Split Point, Black Oxide Drill Bit	$\frac{7}{16}$	6
RAD64004925	135° Split Point, Black Oxide Drill Bit	$\frac{29}{64}$	6
RAD64004926	135° Split Point, Black Oxide Drill Bit	$\frac{15}{32}$	6
RAD64004927	135° Split Point, Black Oxide Drill Bit	$\frac{31}{64}$	6
RAD64004928	135° Split Point, Black Oxide Drill Bit	$\frac{1}{2}$	6

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Cutting Equipment and Blades

RADNOR®

Radnor® Bi-Metal Reciprocating Saw Blades

Engineered to cut stronger, faster and last longer

The Radnor® Advantage:

- Shatter resistant – bi-metal blades bend and flex to resist breaking
- Unique blade geometry – positions the blade for optimum cutting performance
- Fast cutting/Long-lasting – bi-metal construction has an alloy backing and high-speed steel cutting edge for fast cuts and extended blade life



Shatter-Resistant Reciprocating Saw Blades

Part Number	Model	Description	Application
RAD64000501	610R	10 TPI, 6" x 3/4" x .035" Bi-Metal	Nail-embedded wood, composition materials & plastics. Pipe, carbon steel, stainless steel: 1/8" – 1/4". Non-ferrous metal: 1/8" – 1/2" thick.
RAD64000506	810R	10 TPI, 8" x 3/4" x .050" Bi-Metal	
RAD64000502	614R	14 TPI, 6" x 3/4" x .035" Bi-Metal	Pipe, structural steel, stainless steel: 3/32" – 1/4". Non-ferrous metal: 3/32" – 3/8".
RAD64000511	B614R	14 TPI, 6" x 3/4" x .035" Bi-Metal	
RAD64000503	618R	18 TPI, 6" x 3/4" x .035" Bi-Metal	Structural steel, pipe, conduit, stainless steel: 1/16" – 3/16" thick. Non-ferrous metal: 1/16" – 5/16".
RAD64000512	B618R	18 TPI, 6" x 3/4" x .035" Bi-Metal	
RAD64000507	818R	18 TPI, 8" x 3/4" x .035" Bi-Metal	
RAD64000516	B818R	18 TPI, 8" x 3/4" x .035" Bi-Metal	
RAD64000504	624R	24 TPI, 6" x 3/4" x .035" Bi-Metal	All metals less than 1/8" thick; tubing, conduit, trim.
RAD64000513	B624R	24 TPI, 6" x 3/4" x .035" Bi-Metal	All metals less than 1/8" thick; tubing, conduit, trim.

HELPFUL HINT

Rule of Thumb:

Greater cutting surface, less TPI (teeth per inch)
Smaller cutting surface, more TPI (teeth per inch)

A good rule of thumb when it comes to determining how many TPI are needed for a specific application is to always have at least three teeth in contact with the material at all times, which helps prevent snagging.

LENOX®

LENOX® Lazer® Recip Blades

Best for Extreme Metal Cutting T2 Technology

The patent pending tooth design delivers up to two times the life versus the previous model making cutting heavy metal faster and easier

Optimized for High Performance

Reinforced tooth design ensures higher performance in the most demanding jobs

Enhanced Cutting Action

A wider, thicker body than conventional blades delivers whip-free cuts that stay straight and smooth



AMT20176



AMT20178

Shatter-Resistant Reciprocating Saw Blades

Part Number	Model	Description	Qty	Application
AMT20172	6114R	14TPI, 6" x 1" x .042" Bi-metal	5	Structural Steels and all Metals, 3/32" – 3/8"
AMT20174	6118R	18TPI, 6" x 1" x .042" Bi-metal	5	Structural Steels and all Metals, 1/16" – 1/4"
AMT20176	9110R	10TPI, 9" x 1" x .042" Bi-metal	5	Structural Steels and all Metals, 3/16" – 1/2"
AMT20178	9114R	14TPI, 9" x 1" x .042" Bi-metal	5	Structural Steels and all Metals, 3/32" – 3/8"
AMT20180	9118R	18TPI, 9" x 1" x .042" Bi-metal	5	Structural Steels and all Metals, 1/16" – 1/4"



BOSCH



Bosch 11/8" Reciprocating Saw

- Tool-less blade change system
- Variable speed trigger
- Includes reciprocating all-purpose saw blade and jobsite bag

BOSRS7

Specifications	
Amperage	11
Length	19"
No Load SPM	0-2,700
Stroke Length	1 1/8"
Rating	120V
Weight (lbs)	8.5

LENOX®

LENOX® Gold® Utility Knife and Blades

- No tool needed to open
- Cuts toughest materials - drywall, flooring, roofing and more



Part Number	Description	Packaged
AMT20353	LENOX® Gold™ Utility Knife	Each
AMT20350	LENOX® Gold™ Utility Knife Blades	5/pk

RADNOR®

Radnor® Bi-Metal Hole Saws

Long Lasting, Fast Cutting and Versatile

Durable

TUFF TOOTH™ design is reinforced to cut stronger and last longer

Long Lasting

Patented VARI-TOOTH™ design resists tooth strippage

Stays Sharp

High speed steel teeth resist breaking and offer extended life

Withstands High Torque

Thick backing plate with holes for drive pins resists damage due to high torque



LENOX®

LENOX® T2 Hole Saws

- The longest lasting, fastest cutting most versatile hole saw in the industry
- Patented design delivers demonstrable performance
- 50% longer life and two times the life versus competitive product
- 20% taller than competitive hole saws
- Speed Slot™ for easy plug removal
- Holes in half the time
- Plug removal in half the time



Hole Saw Specifications						Tool Operating Speeds (Suggested RPMs Only)					
Part Number	Model	Diameter (inches)	Pipe Tap (inches)	Pipe Entrance (inches)	Use Arbor	Tool & Stainless	Cast Iron	Mild Steel	Brass	Aluminum	Wood
RAD64000531	12L	3/4	1/2	3/8	RAD64000557 (5L)	230	300	460	600	690	3000
RAD64000532	14L	7/8	3/4	1/2	RAD64000557 (5L)	195	260	390	520	585	3000
RAD64000533	16L	1			RAD64000557 (5L)	175	235	350	470	525	2700
RAD64000534	18L	1 1/8	1	3/4	RAD64000557 (5L)	150	200	300	400	450	2700
RAD64000535	20L	1 1/4			RAD64000555 (2L)	140	180	275	360	410	2400
RAD64000536	22L	1 3/8		1	RAD64000555 (2L)	145	190	285	380	425	2400
RAD64000537	24L	1 1/2	1 1/4		RAD64000555 (2L)	115	150	230	300	345	2400
RAD64000539	28L	1 3/4	1 1/2	1 1/4	RAD64000555 (2L)	95	130	195	250	295	2100
RAD64000541	32L	2		1 1/2	RAD64000555 (2L)	85	115	170	230	255	2000
RAD64000545	40L	2 1/2		2	RAD64000555 (2L)	65	90	135	180	205	1850

RADNOR®

Radnor® Hole Saw Arbors & Pilot Drills

The Radnor® Advantage:

- Added durability – hardened carbon steel for strength through the cross section
- Starts on contact – split-point pilot drill for faster penetration and less walking

RAD64000555



RAD64000557

RAD64000559

RAD64000560

Arbors (Hex Shank)

Part Number	Model	Fits Hole Saws	Shank Size	Pilot Drill
RAD64000555	2L	20L – 96L (1 1/4" – 6")	1/2" & larger	RAD64000560 (56PD)
RAD64000557	5L	9L – 19L (9/16" – 1 3/16")	3/8" & larger	RAD64000559 (4321)

Pilot Drills

Part Number	Model	Fits Arbors
RAD64000559	4321	1L, 2L (RAD64000555) or 4L
RAD64000560	56PD	3L, 5L (RAD64000557), 6L or 7L

LENOX®

LENOX® Bi-Metal Hole Saw Kits

- 7/8", 1 1/8", 1 3/8", 1 3/4", 2", 2 1/2"
- SNAP-BACK Arbors: 2L, 5L
- One arbor adaptor

AMT30800



- 3/4", 7/8", 1 1/8", 1 1/2", 1 3/4", 2", 2 1/4"
- SNAP-BACK Arbors: 2L, 5L
- One arbor adaptor

AMT30808



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HOUGEN® PORTABLE MAGNETIC DRILLS

Hougen® is the global leader in magnetic drill products and is the drill of choice for metal fabrication in a variety of applications. Hougen® magnetic drills are lightweight, compact, powerful and versatile. Many accessories are available to be able to use the drill as a portable machine shop such as drill chucks, taps and countersinks. A swivel base adds even greater versatility.

HOUHMD904



Drill of choice for all around fabrication which is lightweight, compact, powerful and versatile.

HOUHMD904 Models:

HOUHMD904 - Includes HMD904 with positive slug ejection, carrying case, wrenches and a pint of coolant.

HOUHMD904S (Swivel Base) - Includes HMD904 with swivel base, carrying case, wrenches and a pint of coolant.

HOUHMD904K (Fabricator's Kit) - Includes HMD904C (gravity fed coolant), plus 1/2" Jacobs Chuck, adapter & 12002 Rotabroach® Cutter Kit.

Part Number	Description
HOUHMD904	Base Model
HOUHMD904S	Swivel Base
HOUHMD904K	Fabricator's Kit

HMD904 Specifications			
Electrical System	120V, 50/60 Hz - 8A, 960W 230V, 50/60 Hz - 4A, 920W		
Motor	7.2A (120V), 3.6A (230V) 450 RPM		
Diameter	7/16" - 1 1/2" (12 mm - 38 mm)		
Depth	2" (50 mm)		
Cutter/Mount	Rotabroach® or Copperhead™ 3/4" shank		
Dimensions	163/8" H x 73/16" W x 81/4" L (416 mm H x 183 mm W x 210 mm L)		
Swivel Area	1 1/8" W x 1 3/8" L (28.5 mm W x 167 mm L)		
Magnet	Base	3 1/8" W x 6 9/16" L (79 mm W x 167 mm L)	
	1" Plate (25 mm)	Dead Lift 1680 lb	Drillpoint Breakaway 900 lb
	3/8" Plate (9.5 mm)	1124 lb	741 lb
Swivel Magnet	1" Plate (25 mm)	Dead Lift 1240 lb	Drillpoint Breakaway Forward: 640 lb Back: 770 lb
	3/8" Plate (9.5 mm)	965 lb	Forward: 485 lb Back: 585 lb
Net Weight	27.5 lb		
Net Weight w/ Swivel Base	30.5 lb		



HOUHMD914

Powerful workhorse with a large capacity and built-in versatility by utilizing accessories that can turn the drill into a portable machine shop including drill chucks, tapping and countersinking.

Part Number	Description
HOUHMD914	Powerful/Versatile

HMD914 Specifications			
Electrical System	120V, 50/60 Hz - 11.2A, 1344W 230V, 50/60 Hz - 5.6A, 1288W		
Motor	10.5A (120V), 5.6A (230V) 350 RPM		
Diameter	7/16" - 2 1/16" (12 mm - 52 mm)		
Depth	3" (76 mm)		
Cutter/Mount	Rotabroach® or Copperhead™ 3/4" shank		
Dimensions	23" H x 7 1/2" W x 12 1/4" L (584 mm H x 191 mm W x 311 mm L)		
Swivel Area	1 1/8" W x 1 3/8" L (28.5 mm W x 34.9 mm L)		
Magnet	Base	3 1/2" W x 7 3/4" L (89 mm W x 197 mm L)	
	1" Plate (25 mm)	Dead Lift 2230 lb	Drillpoint Breakaway 1180 lb
	3/8" Plate (9.5 mm)	1245 lb	795 lb
Swivel Magnet	1" Plate (25 mm)	Dead Lift 2330 lb	Drillpoint Breakaway Forward: 980 lb Back: 1145 lb
	3/8" Plate (9.5 mm)	1360 lb	Forward: 680 lb Back: 815 lb
Net Weight	41 lb		
Net Weight w/ Swivel Base	45 lb		

HOUHMD115

HOUHMD150



Low Profile lightweight right angle frame drill with large capacity, which uses RotaLoc Plus™ cutters which require no tools for installation or removal.

Part Number	Description
HOUHMD150	Low Profile Drill

HMD150 Specifications			
Electrical System	120V, 50/60 Hz - 8A, 960W 230V, 50/60 Hz - 4A, 920W		
Motor	7.2A (120V), 3.6A (230V) 450 RPM		
Diameter	½" - 1⅜" (12 mm - 35 mm)		
Depth	1" (25 mm)		
Cutter/Mount	RotaLoc Plus™ with push & turn style shank		
Dimensions	7 ¹³ / ₁₆ " H x 6 ¹ / ₂ " W x 11 ¹ / ₁₆ " L (198 mm H x 165 mm W x 297 mm L)		
Magnet	Base	4" W x 7" L (102 mm W x 178 mm L)	
	1" Plate (25 mm)	Dead Lift 2065 lb	Drillpoint Breakaway 735 lb
	⅜" Plate (9.5 mm)	1200 lb	500 lb
Net Weight	22.7 lb		

Ultra Low profile drill that fits in tight spaces (6 11/16" height) and uses RotaLoc™ cutters, which do not require tools for installation or removal.

Part Number	Description
HOUHMD115	Ultra Low Profile

HMD115 Specifications			
Electrical System	120V, 50/60 Hz - 8A, 960W 230V, 50/60 Hz - 4A, 920W		
Motor	7.2A (120V), 3.6A (230V) 450 RPM		
Diameter	½" - 1⅛" (12 mm - 27 mm)		
Depth	¾" (19 mm)		
Cutter/Mount	RotaLoc™ with push and turn style shank		
Dimensions	6⅛" H x 8½" W x 11⅝" L (170 mm H x 216 mm W x 295 mm L)		
Magnet	Base	3⅛" W x 6⅞" L (79 mm W x 167 mm L)	
	1" Plate (25 mm)	Dead Lift 2080 lb	Drillpoint Breakaway 849 lb
	⅜" Plate (9.5 mm)	1283 lb	535 lb
Net Weight	21.3 lb		



MADE IN USA

Hougen® has a number of different annular cutter series to fit their world class magnetic drill offering. Hougen® Rotabroach® Cutters are made of hardened high speed tool steel and are precision ground for excellent performance throughout the cut and long tool life. They require less horsepower and thrust to cut, and last much longer than traditional holemaking methods. For extended tool life and lower cost per hole Rotabroach® Cutters are resharpenable.



12,000-Series Rotabroach® Cutters

Part Number	Part Number	Part Number	Cutter Diameter	Decimal Equivalent
1" (25 mm) Depth of Cut	2" (50 mm) Depth of Cut	3" (76 mm) Depth of Cut		
¾" Diameter Shank Cutters				
Use with Pilot				
HOU10531	HOU10532			
HOU12114	HOU12214	—	7/16"	.4375
HOU12116	HOU12216	—	1/2"	.5000
HOU12118	HOU12218	—	9/16"	.5625
Use with Pilot				
HOU10527	HOU10528	HOU24131		
HOU12120	HOU12220	—	5/8"	.6250
HOU12122	HOU12222	—	11/16"	.6875
HOU12124	HOU12224	—	3/4"	.7500
HOU12126	HOU12226	—	13/16"	.8125
HOU12128	HOU12228	—	7/8"	.8750
HOU12130	HOU12230	HOU3-12230	15/16"	.9375
HOU12132	HOU12232	—	1"	1.000
HOU12134	HOU12234	—	1 1/16"	1.0625
HOU12136	HOU12236	—	1 1/8"	1.1250
HOU12138	HOU12238	—	1 3/16"	1.1875
HOU12140	HOU12240	—	1 1/4"	1.2500
HOU12142	HOU12242	—	1 5/16"	1.3125
HOU12144	HOU12244	—	1 3/8"	1.3750
HOU12146	HOU12246	—	1 7/16"	1.4375
HOU12148	HOU12248	—	1 1/2"	1.5000
HOU12150	HOU12250	—	1 9/16"	1.5625
HOU12152	HOU12252	—	1 5/8"	1.6250
HOU12154	HOU12254	—	1 11/16"	1.6875
HOU12156	HOU12256	—	1 3/4"	1.7500
HOU12158	HOU12258	—	1 13/16"	1.8125
HOU12160	HOU12260	—	1 7/8"	1.8750
HOU12162	HOU12262	—	1 15/16"	1.9375
HOU12164	HOU12264	—	2"	2.0000
—	HOU12266	—	2 1/16"	2.0625
—	HOU12446	—	46 mm	1.8110

Pilot for RotaLoc™ and RotaLoc Plus™ Cutters



Part Number	Description
HOU17470	RotaLoc™ Pilot
HOU17100	RotaLoc Plus™ Pilot

Mag Drill Accessories

RotaLoc™ Annular Cutters

RotaLoc™ Annular Cutters are designed for use with the Hougen® HMD115 Ultra –Low Profile Truck Frame Drill. They are made of high speed steel and feature stack cut geometry for penetrating multiple plates in a single pass up to ¾" depth of cut. RotaLoc Plus™ Annular Cutters are designed for the HMD150 Low Profile Drill. They are made of high speed steel and are designed for a full 1" depth of cut. Both series feature a 5/8" bayonet style shank mounting for fast change out, with no other tools required to install in the drill spindle and can be easily removed.



RotaLoc™ Cutters for the HMD115 and HMD150 ¾" (19 mm) Depth of Cut

Part Number	Diameter
HOU17116	1/2"
HOU17118	9/16"
HOU17120	5/8"
HOU17122	11/16"
HOU17124	3/4"
HOU17126	13/16"
HOU17128	7/8"
HOU17130	15/16"
HOU17132	1"
HOU17134	1 1/16"

RotaLoc Plus™ Cutters for the HMD150 1" (25 mm) Depth of Cut

Part Number	Diameter
HOU17216	1/2"
HOU17218	9/16"
HOU17220	5/8"
HOU17222	11/16"
HOU17224	3/4"
HOU17226	13/16"
HOU17228	7/8"
HOU17230	15/16"
HOU17232	1"
HOU17234	1 1/16"
HOU17236	1 1/8"
HOU17240	1 1/4"
HOU17242	1 5/16"



12,000-Series Rotabroach® Pilots

The pilot serves three functions when used with a Rotabroach® cutter. The first is to locate the holes center point, the second is to initiate coolant flow to the center of the tool and the third is to eject the slug at the end of the cut.

Part Number	Part Number	Part Number	For Use with Cutter Diameters
Material Thickness			
1" (25 mm)	2" (50 mm)	3" (76 mm)	
HOU10531	HOU10532	—	7/16" - 9/16"
HOU10527	HOU10528	—	5/8" - 2 3/8"
—	—	HOU24131	3/4" - 2 3/8"

Gas Equipment

Welding & Cutting Equipment

Welding Support

Filler Metals

MRO Supplies

Safety

Index

Angle Grinders



BOSCH

Bosch Grinders are some of the toughest in the business. All of the grinders have epoxy coated field windings, sealed switch and directed airflow to prolong the life of the tool. Multiple position vibration control side handle reduces vibration by 60% and lock-on/off switches (on some models) for prolonged operator use. All models come with a tool-free adjustable guard and a 5/8"-11 spindle for quick and easy wheel changes.



BOS1810PS

Paddle switch with lock-on AC/DC capability

Includes

- Guard
- Vibration control
- Auxiliary handle
- Flange kit
- Spanner wrench



BOS1811PS

Paddle switch with no lock-on AC/DC capability

Includes

- Guard
- Vibration control
- Auxiliary handle
- Flange kit
- Spanner wrench

Part Number	BOS1810PS	BOS1811PS
Switch Type	Paddle Switch with Lock-On	Paddle Switch with Lock-On
Amperage	8.0	9.0
Length	11¼"	11¾"
Max Motor HP	1.1	1.8
No Load RPM	11,000	11,000
Rating	120 V AC/DC	120 V AC/DC
Spindle Thread	5/8"-11"	5/8"-11"
Weight (lbs)	4.3	4.8
Wheel Diameter	4½"	5"



BOS1380Slim

Ergonomic slim grip Powerful 7.5 amp motor

Includes

- Wheel guard
- Auxiliary handle
- Flange kit
- Spanner wrench



BOS1806E

Lock-on/off switch

Includes

- Guard
- Vibration control
- Auxiliary handle
- Flange kit
- Large backing flange
- Spanner wrench

Part Number	BOS1380Slim	BOS1806E
Switch Type	Lock-On	Lock-On
Amperage	7.5	12.0
Length	11"	11¾"
Max Motor HP	1.0	2
No Load RPM	11,000	9,300
Rating	120 V	120 V
Spindle Thread	5/8"-11"	5/8"-11"
Weight (lbs)	4.2	5
Wheel Diameter	4½"	6"



BOS9295-01

Powerful 6.0 amp motor Tool-less guard adjustment

Includes

- Side assist handle
- Spanner wrench

Part Number	BOS9295-01
Description	Tool-less Guard Adjustment
Amperage	6.0
Length	10¾"
No Load RPM	11,000
Rating	120V
Weight (lbs)	5.3
Wheel Diameter	4½"



Metabo® Electric Angle Grinders are packed with features that prolong equipment life and enhance operator comfort. Starting with a robust long life motor with autostop carbon brushes that stop the grinder when service is needed, built-in winding protection grid and die cast aluminum gear housing. All the power is driven through the S-automatic torque limiting clutch. Ergonomic handles and multi-position, anti-vibration side handles make for easy grip comfort.

Angle Grinders

MTBWP8-115 Quick

- Non-Locking paddle switch
- Long lasting motor
- Quick wheel change system
- AC/DC capability
- Spindle lock
- Low profile aluminum die-cast gear housing

- Tool-less guard adjustment with 7 stops
- Anti-vibration side handle (W6-115 includes standard side handle)
- Metabo® slip clutch
- Auto-stop carbon brushes
- Winding protection grid

- Maximum torque 19.5" lbs
- Also available in 220V

Standard Equipment

- Side handle
- Wheel guard
- Inner flange
- Outer nut



MTBW8-115 Quick

- Long lasting motor
- Quick wheel change system
- AC/DC capability
- Spindle lock

- Low profile aluminum die-cast gear housing
- Anti-vibration side handle
- Metabo® slip clutch
- Auto-stop carbon brushes

- Winding protection grid
- Maximum torque 19.5" lbs
- Also available in 220V

Standard Equipment

- Side handle
- Wheel guard
- Inner flange
- Outer nut



MTBWE14-150 Quick

- Non-Locking paddle switch
- Long lasting motor
- Quick wheel change system
- Non-locking paddle switch
- Current interruption protection
- Spindle lock
- Low profile aluminum die-cast gear housing

- Tool-less guard adjustment with 7 stops
- Anti-vibration side handle
- Electronic winding temperature monitor with LED display
- Metabo® slip clutch
- Auto-stop carbon brushes
- Winding protection grid
- Electronic soft start feature

- Electronic speed stabilization
- Maximum torque 31" lb
- Also available in 220V

Standard Equipment

- Side handle
- Wheel guard
- Type 27 inner flange
- Outer nut
- Flange kit



MTBWE14-150 Quick

- Non-Locking paddle switch
- Long lasting motor
- Quick wheel change system
- Switch with lock on capability
- Current interruption protection
- Spindle lock
- Low profile aluminum die-cast gear housing

- Tool-less guard adjustment with 7 stops
- Anti-vibration side handle
- Electronic winding temperature monitor with LED display
- Metabo® slip clutch
- Auto-stop carbon brushes
- Winding protection grid
- Electronic soft start feature

- Electronic speed stabilization
- Maximum torque 31" lbs
- Also available in 220V

Standard Equipment

- Side handle
- Wheel guard
- Type 27 inner flange
- Outer nut
- Flange kit



Model	WP8-115	W8-115 Quick	WE14-150 Quick	WEP14-150 Quick
Part Number	MTB600267420	MTB600264420	MTB600160420	MTB600290420
Max. Wheel Diameter	4 1/2"	4 1/2"	6"	6"
No Load Speed (RPM)	10,000	10,000	9,000	9,000
Amperage	8.0	8.0	12.2	12.2
Rated Input Watts	800	800	1,400	1,400
Arbor Size	7/8"	7/8"	7/8"	7/8"
Spindle Thread	5/8"-11	5/8"-11	5/8"-11	5/8"-11
Tool Weight (lbs)	5.3	5.4	6.1	6.1
Shipping Weight (lbs)	6.2	6.2	7.6	7.6
Length	11 3/4"	11 3/4"	12 1/4"	12 1/4"



DEWD28402 - Small Angle Grinder

- 10.0 amp AC/DC 11,000 rpm motor designed for faster material removal and higher overload protection
- Dust Ejection System™ provides durability by ejecting damaging dust and debris particles that enter the tool through the air intake vents



Includes

- 2-position side handle
- Keyless adjustable guard
- Wrench

	DEWD28402
Amperage	10
Max Watts Out	1,200W
HP	1.6HP
No Load Speed RPM	11,000
Use Wheels RPM Above	11,000
Spindle Thread	5/8"-11
Switch Type	Paddle with lock-on
Wheel Diameter	4 1/2"
Dust Ejection System™	Yes
Tool Free Flange System	Yes
Tool Length	11 1/4"
Tool Weight (lbs)	4.6

Gas Equipment

Welding & Cutting Equipment

Welding Support

Filler Metals

MRO Supplies

Safety

Index

Power Cords

RADNOR®

Electrical Extension Cords

Radnor® high-quality, industrial-grade electrical cords provide the power and protection you need.

12 Gauge General Application

Radnor® General Application extension cords are perfect for nearly any application. The thermoplastic jacket means these cords can be used indoors or outdoors. You'll never lose sight of these bright yellow cords and the lighted end indicates there's electrical power to the cord. Radnor® General Application cords are available in a variety of sizes to meet your specific needs. **MADE IN USA**

Specs: 12 gauge, 3 wire conductor, 125 Volt, 15 Amp, 1875 Watts, SJTW, Lighted End, UL Approved, Industrial Grade

Part Number	Description	Size
RAD64006303	Cord 12/3 Extension Lit End	25 ft
RAD64006304	Cord 12/3 Extension Lit End	50 ft
RAD64006305	Cord 12/3 Extension Lit End	100 ft

12 Gauge Severe Weather

In severe weather conditions you want a cord that can withstand the elements. Radnor® Severe Weather cords are designed to provide strong resistance to oil, chemicals, abrasions and assure weather resistance. These cords are well-suited for any climate. With the ability to endure temperatures ranging from 221° to -94°F, while still remaining flexible. The blue and red colored cord is easy to see and allows quick differentiation between other cords during severe weather. **MADE IN USA**

Specs: 12 gauge, 3 wire conductor, 125 Volt, 15 Amp, 1875 Watts, SJEOW, Lighted End, UL Approved, Industrial Grade

Part Number	Description	Size
RAD64006312	Cord 12/3 Severe Weather Lit End	25 ft
RAD64006313	Cord 12/3 Severe Weather Lit End	50 ft
RAD64006314	Cord 12/3 Severe Weather Lit End	100 ft

10 Gauge General Application

Radnor® General Application cords are water resistant and flexible for indoor and outdoor use. With a lower gauge this wire is suited for demanding applications. The bright yellow thermoplastic covering and the indicator light at the female end indicates the cord is live with electric power. Available in a variety of sizes to fit a variety of needs. **MADE IN USA**

Specs: 10 gauge, 3 wire conductor, 125 Volt, 15 Amp, 1875 Watts, SJTW, Lighted End, UL Approved, Industrial Grade

Part Number	Description	Size
RAD64006301	Cord 10/3 Extension Lit End	50 ft
RAD64006302	Cord 10/3 Extension Lit End	100 ft

Triple Tap GFCI

Designed to provide you with protection from faults and open neutral conditions anywhere electrical equipment is used. Triple outlet ends are perfect for safely attaching multiple electrical devices at one time.

Specs: 12 gauge, 3 wire conductor, 125 Volt, 15 Amp, 1875 Watts, SJTW, Made in China, UL Approved, Industrial Grade

Part Number	Description	Size
RAD64006321	Triple Tap 12/3 GFCI	2 ft

Triple Tap

These Radnor® cords are perfect for attaching multiple power cords at one time and they're available at a great price. Not suited for moist or wet conditions. **MADE IN USA**

Specs: 12 gauge, 3 wire conductor, 125 Volt, 15 Amp, 1875 Watts, SJTW, UL Approved, Industrial Grade

Part Number	Description	Size
RAD64006322	Triple Tap 12/3	2 ft

Radnor® electrical extension cords offer the most popular sizes and types of cords used in the marketplace today.

The Radnor® cords are high quality, industrial grade, three wire conductor, Underwriters Laboratories (UL) approved and have lighted ends to indicate when the power is on for safety.



RAD64006305



RAD64006314



RAD64006301

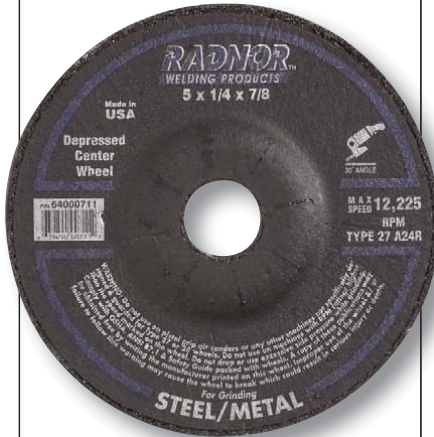


RAD64006321



RAD64006322

Steel/Metal Depressed Center Wheels



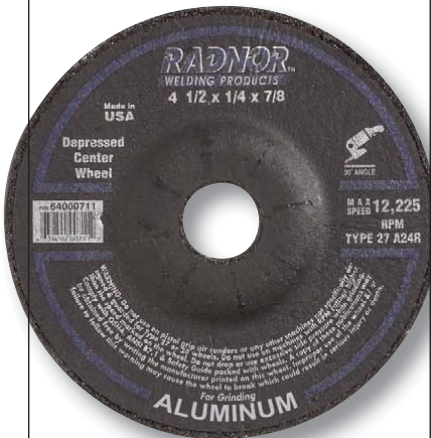
Specifications

- Radnor® long life
- Quality aluminum oxide abrasive
- Low initial cost per wheel

Application

- Exceptional life and cut rate on carbon and stainless steels
- Ideal for grinding alloys, metals, steels and ferrous metals
- Ideal for on-site and small-unit job

Aluminum Depressed Center Wheels

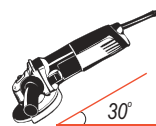
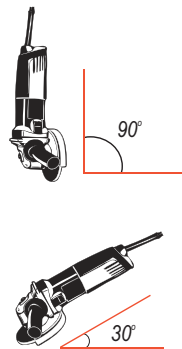
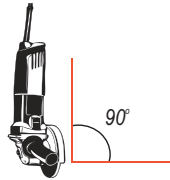
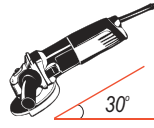


Specifications

- Radnor® aluminum - contains no wax or rubber fillers

Application

- Grinding aluminum and soft metals without loading



Type 27 – Grinding Wheels

Part Number	Size D x T x H	Max RPM	Spec.
RAD64000706	4" x 1/4" x 3/8"	15,280	A24R
RAD64000707	4" x 1/4" x 5/8"	15,280	A24R
RAD64000702	4 1/2" x 1/4" x 5/8"-11	13,580	A24R
RAD64000703	4 1/2" x 1/4" x 7/8"	13,580	A24R
RAD64000710	5" x 1/4" x 5/8"-11	12,225	A24R
RAD64000711	5" x 1/4" x 7/8"	12,225	A24R
RAD64000714	7" x 1/4" x 5/8"-11	8,600	A24R
RAD64000715	7" x 1/4" x 7/8"	8,600	A24R
RAD64000718	9" x 1/4" x 5/8"-11	6,600	A24R
RAD64000719	9" x 1/4" x 7/8"	6,600	A24R

Type 27 – Cutting Wheels

Part Number	Size D x T x H	Max RPM	Spec.
RAD64000708	4" x .125" x 3/8"	15,280	A24R
RAD64000709	4" x .125" x 5/8"	15,280	A24R
RAD64000704	4 1/2" x .125" x 5/8"-11	13,580	A24R
RAD64000705	4 1/2" x .125" x 7/8"	13,580	A24R
RAD64000712	5" x .125" x 5/8"-11	12,225	A24R
RAD64000713	5" x .125" x 7/8"	12,225	A24R
RAD64000716	7" x .125" x 5/8"-11	8,600	A24R
RAD64000717	7" x .125" x 7/8"	8,600	A24R
RAD64000720	9" x .125" x 5/8"-11	6,600	A24R
RAD64000721	9" x .125" x 7/8"	6,600	A24R

Type 27 – Combo Wheels Cutting/Notching/Light Grinding

Part Number	Size D x T x H	Max RPM	Spec.
RAD64000724	4" x 1/8" x 3/8"	15,280	A30T
RAD64000725	4" x 1/8" x 5/8"	15,280	A30T
RAD64000722	4 1/2" x 1/8" x 5/8"-11	13,580	A30T
RAD64000723	4 1/2" x 1/8" x 7/8"	13,580	A30T
RAD64000726	5" x 1/8" x 5/8"-11	12,225	A30T
RAD64000727	5" x 1/8" x 7/8"	12,225	A30T
RAD64000728	7" x 1/8" x 5/8"-11	8,600	A30T
RAD64000729	7" x 1/8" x 7/8"	8,600	A30T
RAD64000730	9" x 1/8" x 5/8"-11	6,600	A30T
RAD64000731	9" x 1/8" x 7/8"	6,600	A30T

Type 27 – Grinding Wheels For Aluminum

Part Number	Size D x T x H	Max RPM	Spec.
RAD64000732	4 1/2" x 1/4" x 7/8"	12,225	A46Q
RAD64000733	4 1/2" x 1/4" x 5/8" -11	12,225	A46Q
RAD64000737	7" x 1/4" x 5/8" -11	8,600	A46Q

Cut-Off Wheels

Cut-Off Wheels

These wheels provide premium performance in abrasive cutting applications using portable and stationary machines.

Typical Applications

- Cutting sheet metal
- Shipbuilding
- Tool room – cutting drill bits, steel bar, tubing, metallurgical sectioning
- Metal studs

Product Offering

- Portable grinder, small diameter (3"-6")
- Right angle grinder (4" - 9")
- Circular saw (6"-7")
- Stationary machine, large diameter (12"-14")
- Chop Saw (12"-14")

Right Angle Grinder Reinforced Cut-Off Wheels Type 1 (4"-7") and Type 27 (4½"-9")

Features

- Unique reinforcement design
- Extra thin

Benefits

- Provides safety, strength and straight cuts
- Quick cutting action and low kerf loss



HELPFUL HINT

Depressed Center, Cut-Off Wheels and Snagging Wheels

Do's

- Check all wheels for cracks or damage before use
- Check machine speed against established safe operating speed marked on the wheel
- Always use the guard furnished with machine
- Run wheel in a protected area for one minute at operating speed before grinding

Don'ts

- Don't use wheels that have been dropped or otherwise damaged
- Don't use heavy side pressure on any thin Type 01 straight cut-off wheel or Type 27 thin depressed center wheel
- Never use a grinding wheel with a rated speed less than that of the grinder

A Deadly Equation

Pistol Grip Air Sander +

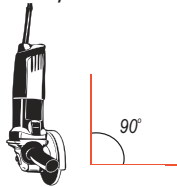
Grinding Wheel = Certain Injury

- Never use a high speed air sander as a portable grinder
- Use only sanding discs specifically designed for sanders
- Because the speed of these sanders far exceeds the maximum rated speeds for grinding wheels, a potentially lethal wheel breakage may occur

RADNOR®

Right Angle Grinder Reinforced Cut-Off Wheels

- Quality aluminum oxide grain



- Consistent performance at a competitive price
- Ideal for small jobs on a variety of metal applications from carbon to stainless steel

Part Number	Size D x T x H	Max RPM	Spec.
RAD64000799	4" x .040" x 5/8"	15,280	A60T
RAD64000806	4½" x .040" x 7/8"	13,580	A60T
RAD64000808	5" x .040" x 7/8"	12,225	A60T
RAD64000810	6" x .040" x 7/8"	10,185	A60T
RAD64000805	4" x 1/16" x 5/8"	15,280	A36T

Type 27 – Reinforced Cut-Off Wheels

Part Number	Size D x T x H	Max RPM	Spec.
RAD64000812	4½" x .045" x 7/8"	13,580	A60T
RAD64000813	5" x .045" x 7/8"	12,225	A60T
RAD64000814	6" x .045" x 7/8"	10,185	A60T



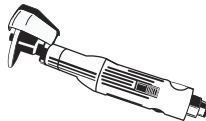
Straight Shaft Grinder Reinforced Cut-Off Wheels

Features

- Advanced formulation
- Free cut wheels

Benefits

- Free cutting (fast without binding)
- Maximizes the performance of conventional aluminum oxide abrasives
- Engineered to cut hard materials
- Excellent cut rate



Part Number	Size D x T x H	Max RPM	Spec.
RAD64000786	3" x .035" x 1/4"	25,465	A600
RAD64000787	3" x .035" x 3/8"	25,465	A600
RAD64000788	3" x 1/16" x 1/4"	25,465	A36T
RAD64000790	3" x 1/16" x 3/8"	25,465	A36T
RAD64000797	4" x .035" x 3/8"	19,100	A600
RAD64000798	4" x .035" x 5/8"	19,100	A600
RAD64000801	4" x 1/16" x 3/8"	19,100	A36T



Circular Saw Reinforced Cut-Off Wheels (6" - 7")

Features

- Versatile
- Quality aluminum oxide abrasive; R sides

Benefits

- Ideal for slotting and cutting when initial cost is a main concern
- Sets the A/O industry standard for cutting all material fabrication applications

Part Number	Size D x T x H	Max RPM	Spec.
RAD64000818	6 x 1/16" x 5/8"	10,185	A36T
RAD64000819	7" x 1/16" x 5/8"	8,730	A36T



Large Diameter Reinforced Cut-Off Wheels for Stationary Saws (12" - 14")

Features

- Quality aluminum oxide abrasive

Benefits

- Sets the aluminum oxide industry standard for cutting all material in metal fabrication applications

Part Number	Size D x T x H	Max RPM	Spec.
RAD64000761	12" x 1/8" x 1"	5,095	A30R
RAD64000763	14" x 1/8" x 1"	4,365	A30R



Large Diameter Reinforced Cut-Off Wheels for Chop Saws (12" - 14")

Features

- Rapid cut - centrally reinforced, rough sides

Benefits

- Free cutting, non-binding; burr - and burn-free cuts

Part Number	Size D x T x H	Max RPM	Spec.
RAD64000751	12" x 3/32" x 1"	5,095	A36P
RAD64000752	14" x 3/32" x 1"	4,365	A36P



Steel Stud Reinforced Cut-Off Wheels for Chop Saws (14")

Features

- Thin, side-reinforced; quality aluminum oxide abrasive

Benefits

- Designed specifically for cutting steel studs; free cutting; clean, burr-free cuts

Part Number	Size D x T x H	Max RPM	Spec.
RAD64000753	14" x 3/32" x 1"	4,365	A36P



Cut-Off Wheel Competitive Cross Reference

Type	Radnor®	Competitive GP Wheels	Metabo®	Walter®
T-27	A60T	A36R, A600, A60T	Slicer Plus	A60-ZIP
T-1	A60T	A36R, A600, A60T	Slicer Plus	—
T-1	Metal (Circular Saws) A36T	A36T	A 30 S	A30-ZIP
T-1	(Stationary Saws) A30R	A30R	A 30 R	A24-FC Ripcut
T-1	(Chop Saws) A36P	A30R	A 30 R	A30 Chopcut II
T-1	Long Life (Chop Saws) A36P	A30S	A 30 S	A30-HC Chopcut

Depressed Center Wheels

NORTON

SAINT-GOBAIN

Norton NorZo Depressed Center Wheels

Features

- Premium combination of Norton SG (ceramic aluminum oxide) and NorZon (zirconia alumina)

Benefits

- 50 to 200% better overall performance vs. competitive zirconia wheels Norton SG (ceramic aluminum oxide)
- Lowest total grinding cost; highest productivity and NorZon (zirconia alumina)
- Up to 10 times the performance of aluminum oxide wheels
- 50% or better cut rate than competitive wheels
- Excellent performance on all grinding jobs from gray iron to exotic alloys and stainless steel



Norton Gemini Aluminum Oxide Depressed Center Wheels

Features

- Aluminum oxide grain in a uniquely patterned face

Benefits

- Consistent, maximum performance of aluminum oxide wheels at a competitive price
- Ideal for small job shops on a variety of metalworking applications



Type 27 - Cutting/Notching/Light Grinding - Depressed Center

Part Number	Description	Size: D x T x H	Max RPM
NOR6625293855	NorZon Plus	7" x 1/8" x 5/8"-11	8,600
NOR66252830445	NorZon Plus	4 1/2" x 1/8" x 5/8"-11	13,580
NOR66252829853	Charger Plus	4 1/2" x 1/8" x 5/8"-11	13,580

Type 27 - Grinding - Depressed Center

Part Number	Description	Size: D x T x H	Max RPM
NOR66252829855	Charger Plus	4 1/2" x 1/4" x 5/8"-11	13,580
NOR66252830432	Gemini	4 1/2" x 1/4" x 5/8"-11	13,580

Type 27 - Rightcut - Depressed Center

Part Number	Description	Size: D x T x H	Max RPM
NOR66252819548	Gemini	4 1/2" x .045 x 7/8"	13,580

Type 01 - Rightcut - Cut-Off Wheels

Part Number	Description	Size: D x T x H	Max RPM
NOR66252823602	Gemini	4 1/2" x .045 x 7/8"	13,580
NOR66252823604	Gemini	6" x .045 x 7/8"	10,185

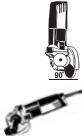
Norton Charger Plus Depressed Center Wheels

Features

- A blend of zirconia alumina and aluminum oxide grains – with more NorZon (zirconia) grain

Benefits

- Three times the life of aluminum oxide wheels
- Ideal for stainless steel and carbon steel applications and efficiently grinds a variety of material from alloys to gray iron
- Excellent performance to price ratio lowers total grinding costs



FLEXOVIT © USA, INC.



Flexovit® Metalhog®

- Superior productivity
- Higher efficiency
- Longer life

Type 27 Grinding Wheels incorporate a blend of premium, semi-premium, and standard abrasive grain with custom bond systems. This produces



a wheel with extremely aggressive, rapid grinding action, without sacrificing wheel life. METALHOG® grinds up to 30% faster and three times longer than regular aluminum oxide products. **MADE IN USA**

Razorblade 27®

Flexovit® Razorblade 27®

The Razorblade 27® wheel combines fast, chatter free cutting with exceptional wheel life, making it the wheel of choice where wheel usage is high, and wheel change downtime is a concern. In most applications

Razorblade 27® gives the lowest overall cost per cut of any angle grinder thin cutoff product.



Type 27 - Cutting/Notching/Grinding - Depressed Center

Part Number	Description	Size: D x T x H	Max RPM
FLEA0720H	Metalhog®- AXT24S	4 1/2" x 1/8" x 5/8"-11	13,300

Type 27 - Grinding - Depressed Center

Part Number	Description	Size: D x T x H	Max RPM
FLEA1236H	Metalhog®- A30S	4 1/2" x 1/4" x 5/8"-11	13,300
FLEA8353H	Metalhog®- A30S	9" x 1/4" x 5/8"-11	6,800

Type 01 - Rightcut - Cut-Off Wheels

Part Number	Description	Size: D x T x H	Max RPM
FLEA0481	Razorblade 27® - A60SST-27	4 1/2" x .045 x 7/8"	13,300
FLEF1207	Razorblade 27® - A60SST	4 1/2" x .045 x 7/8"	13,300
FLEF1707	Razorblade 27® - A60SST	6" x .045 x 7/8"	10,000



Core products that are a cut above the introductory offerings of most competitors, Radnor® Fiber Discs offer three options for handling most metal finishing needs - a quality ceramic, an aggressive zirconia/ceramic blend and a long-lasting aluminum oxide.

All three offerings feature full resin bond systems with heavy-duty fibre backing for increased strength, durability and tear resistance.

Typical Applications

- Material removal
- Weld grinding and blending
- Light deburring and finishing

Part Number	Description	Size	Grit
RAD64004542	Fiber Disc Ceramic	4½" x 7/8"	24
RAD64004543	Fiber Disc Ceramic	4½" x 7/8"	36
RAD64004544	Fiber Disc Ceramic	4½" x 7/8"	50
RAD64004545	Fiber Disc Ceramic	4½" x 7/8"	60
RAD64004546	Fiber Disc Ceramic	4½" x 7/8"	80
RAD64004549	Fiber Disc Ceramic	5" x 7/8"	24
RAD64004550	Fiber Disc Ceramic	5" x 7/8"	36
RAD64004551	Fiber Disc Ceramic	5" x 7/8"	50
RAD64004552	Fiber Disc Ceramic	5" x 7/8"	60
RAD64004553	Fiber Disc Ceramic	5" x 7/8"	80
RAD64004556	Fiber Disc Ceramic	7" x 7/8"	24
RAD64004557	Fiber Disc Ceramic	7" x 7/8"	36
RAD64004558	Fiber Disc Ceramic	7" x 7/8"	50
RAD64004559	Fiber Disc Ceramic	7" x 7/8"	60
RAD64004560	Fiber Disc Ceramic	7" x 7/8"	80

Best

Ceramic

Great productivity at a low total cost

Features

- Patented ceramic aluminum oxide grain
- Heavy fibre backing

Benefits

- Exceptional life and value
- Reduced edge wear for aggressive applications
- Highest productivity on hard-to-grind alloys



Part Number	Description	Size	Grit
RAD64004521	Fiber Disc Zirconia Plus	4½" x 7/8"	24
RAD64004522	Fiber Disc Zirconia Plus	4½" x 7/8"	36
RAD64004523	Fiber Disc Zirconia Plus	4½" x 7/8"	50
RAD64004524	Fiber Disc Zirconia Plus	4½" x 7/8"	60
RAD64004528	Fiber Disc Zirconia Plus	5" x 7/8"	24
RAD64004529	Fiber Disc Zirconia Plus	5" x 7/8"	36
RAD64004530	Fiber Disc Zirconia Plus	5" x 7/8"	50
RAD64004531	Fiber Disc Zirconia Plus	5" x 7/8"	60
RAD64004532	Fiber Disc Zirconia Plus	5" x 7/8"	80
RAD64004535	Fiber Disc Zirconia Plus	7" x 7/8"	24
RAD64004536	Fiber Disc Zirconia Plus	7" x 7/8"	36
RAD64004537	Fiber Disc Zirconia Plus	7" x 7/8"	50
RAD64004538	Fiber Disc Zirconia Plus	7" x 7/8"	60
RAD64004539	Fiber Disc Zirconia Plus	7" x 7/8"	80

Better

Zirconia Plus

Ideal on stainless, alloy, and high pressure applications

Features

- Premium self-sharpening blend of zirconia alumina and ceramic abrasive
- Advanced resin bond technology with enhanced grain adhesion

Benefits

- Fast, aggressive cutting
- Self-sharpens with use
- Grind more parts per hour to lower grinding costs



Part Number	Description	Size	Grit
RAD64004500	Fiber Disc Aluminum Oxide	4½" x 7/8"	24
RAD64004501	Fiber Disc Aluminum Oxide	4½" x 7/8"	36
RAD64004502	Fiber Disc Aluminum Oxide	4½" x 7/8"	50
RAD64004503	Fiber Disc Aluminum Oxide	4½" x 7/8"	60
RAD64004504	Fiber Disc Aluminum Oxide	4½" x 7/8"	80
RAD64004505	Fiber Disc Aluminum Oxide	4½" x 7/8"	100
RAD64004507	Fiber Disc Aluminum Oxide	5" x 7/8"	24
RAD64004508	Fiber Disc Aluminum Oxide	5" x 7/8"	36
RAD64004509	Fiber Disc Aluminum Oxide	5" x 7/8"	50
RAD64004510	Fiber Disc Aluminum Oxide	5" x 7/8"	60
RAD64004511	Fiber Disc Aluminum Oxide	5" x 7/8"	80
RAD64004514	Fiber Disc Aluminum Oxide	7" x 7/8"	24
RAD64004515	Fiber Disc Aluminum Oxide	7" x 7/8"	36
RAD64004516	Fiber Disc Aluminum Oxide	7" x 7/8"	50
RAD64004517	Fiber Disc Aluminum Oxide	7" x 7/8"	60
RAD64004518	Fiber Disc Aluminum Oxide	7" x 7/8"	80

Good

Aluminum Oxide

Versatile performance for all MRO and general purpose applications

Features

- Tough, versatile aluminum oxide abrasive

Benefits

- Fast initial cut
- Ideal for general purpose applications



Coated Abrasives

NORTON

SAINT-GOBAIN

Fiber Discs

The industry's most complete fiber disc offering; premium performance Norton SG ceramic, aggressive zirconia and long lasting aluminum oxide as well as quality Merit Ceramic, Zirconia and Aluminum Oxide for the initial-price-conscious user. Norton's fiber discs feature a full resin bond system with heavy-duty fiber backing for increased strength, durability and tear resistance.

Merit Ceramic

- The economical choice for heavy stock removal
- High performance ceramic alumina abrasive on a heavy fiber backing

Merit ZA

- The economical choice for stainless steel applications
- Durable zirconia alumina abrasive on a heavy fiber backing

Merit Metal

- Priced right for general purpose applications
- Quality aluminum oxide grain on a heavy fiber backing



Part Number	Description	Abrasive	Size (D x H)	Grit
NOR6662335602	Merit Ceramic	Ceramic Alumina	4½" x 7/8"	36
NOR6662335594	Merit Ceramic	Ceramic Alumina	7" x 7/8"	36
NOR66623357291	Merit ZA	Zirconia Alumina	5" x 7/8"	36
NOR66623353309	Merit Metal	Aluminum Oxide	4½" x 7/8"	24
NOR66623353306	Merit Metal	Aluminum Oxide	4½" x 7/8"	36
NOR66623357278	Merit Metal	Aluminum Oxide	5" x 7/8"	50

Merit Ceramic

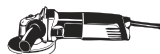
Merit ZA

Merit Metal

GreenLyte F968 Fiber Disc

Premium, patented self-sharpening full-ratio ceramic abrasive grain for faster initial cut rate, longer life and improved finishes.

- The best choice for carbon steel, welds, ferrous metals and cast iron



Part Number	Description	Abrasive	Size	Grit
NOR66261141334	GreenLyte	Ceramic Alumina	7" x 7/8"	24

GreenLyte

Paper Discs

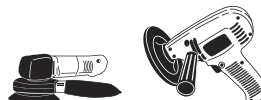
For use on random orbital and rotary sanders. The industry's highest performing and broadest selection of paper discs in Stick and Sand disc rolls, NorGrip (hook and loop) discs, PSA (pressure sensitive adhesive) discs and standard discs.

A975 No-Fil Drylce SG Paper Discs

- For the most demanding DA sanding applications
- Patented SG ceramic aluminum oxide abrasive, P-graded

A275 No-Fil Adalox Paper Discs

- The performance leader in dry finishing
- Premium P-graded, heat-treated aluminum oxide abrasive



Part Number	Description	Abrasive	Size	Grit
NOR66261140517	A975, 5-Hole	Ceramic Alumina	5"	80
NOR63642563535	A975, Multi-Hole	Ceramic Alumina	5" x 1 1/16"	80
NOR66261131578	A275, 5-Hole	Aluminum Oxide	5"	220
NOR66261131543	A275	Aluminum Oxide	5"	240

A975, 5-Hole

A975-Multi-Hole

A275

A275, 5-Hole

Metalite R228 Cloth PSA Discs

Ideal for all maintenance and repair applications, from medium grinding to light deburring.

- Premium aluminum oxide abrasive
- Individual cloth pressure sensitive adhesive discs



Part Number	Description	Abrasive	Size	Grit
NOR66261136585	Metalite R228	Aluminum Oxide	5"	80

Metalite R228

Air-Cooled Rubber Back-up Pads

- Designed for medium- to heavy-grinding applications



Part Number	Description	Max. RPM
NOR63642502122	4½" Medium	11,000
NOR63642543421	5" Medium	10,000
NOR63642543422	7" Medium	8,600

NOTE: Retainer nuts are not included with back-up pads. These must be ordered separately.

Back-up Pad

Gas
Equipment

Welding &
Cutting Equipment

Welding
Support

Filler Metals

MRO Supplies

Safety

Index

RADNOR®

Radnor® flap discs are engineered for light stock removal, blending and finishing – all in one application. They grind like a depressed center wheel and finish like a fibre disc – helping you reduce process time and lowering your total grinding costs.

Typical Applications

- Stock removal
- Edge chamfering
- Rust removal
- Blending welds
- Deburring
- Cleaning and finishing

Features

- High-performance zirconia alumina abrasive
- Durable, fiberglass-construction back

Benefits

- Aggressive cut and long life - up to 30% longer life than aluminum oxide products
- Less pressure for aggressive stock removal and long life

Type 29 – Aluminum Oxide Flap Discs

Part Number	Size D x H	Max RPM	Grit
RAD64000825	4" x 5/8"	15,300	36
RAD64000827	4" x 5/8"	15,300	60
RAD64000828	4" x 5/8"	15,300	80
RAD64000831	4 1/2" x 7/8"	13,300	36
RAD64000833	4 1/2" x 7/8"	13,300	60
RAD64000834	4 1/2" x 7/8"	13,300	80
RAD64000837	4 1/2" x 5/8"-11	13,300	36
RAD64000839	4 1/2" x 5/8"-11	13,300	60
RAD64000840	4 1/2" x 5/8"-11	13,300	80
RAD64000843	7" x 7/8"	8,600	36
RAD64000845	7" x 7/8"	8,600	60
RAD64000846	7" x 7/8"	8,600	80
RAD64000849	7" x 5/8"-11	8,600	36
RAD64000851	7" x 5/8"-11	8,600	60
RAD64000852	7" x 5/8"-11	8,600	80



Flap Discs



Type 29 – Zirconia Alumina Flap Discs

Part Number	Size D x H	Max RPM	Grit
RAD64000856	4" x 5/8"	15,300	40
RAD64000857	4" x 5/8"	15,300	60
RAD64000858	4" x 5/8"	15,300	80
RAD64000861	4 1/2" x 7/8"	13,300	36
RAD64000862	4 1/2" x 7/8"	13,300	40
RAD64000863	4 1/2" x 7/8"	13,300	60
RAD64000864	4 1/2" x 7/8"	13,300	80
RAD64000865	4 1/2" x 7/8"	13,300	120
RAD64000867	4 1/2" x 5/8"-11	13,300	36
RAD64000868	4 1/2" x 5/8"-11	13,300	40
RAD64000869	4 1/2" x 5/8"-11	13,300	60
RAD64000870	4 1/2" x 5/8"-11	13,300	80
RAD64000871	4 1/2" x 5/8"-11	13,300	120
RAD64000874	5" x 7/8"	12,000	40
RAD64000875	5" x 7/8"	12,000	60
RAD64000876	5" x 7/8"	12,000	80
RAD64000885	7" x 7/8"	8,600	36
RAD64000886	7" x 7/8"	8,600	40
RAD64000887	7" x 7/8"	8,600	60
RAD64000888	7" x 7/8"	8,600	80
RAD64000889	7" x 7/8"	8,600	120
RAD64000891	7" x 5/8"-11	8,600	36
RAD64000892	7" x 5/8"-11	8,600	40
RAD64000893	7" x 5/8"-11	8,600	60
RAD64000894	7" x 5/8"-11	8,600	80
RAD64000895	7" x 5/8"-11	8,600	120

Type 27 – Zirconia Alumina High Density/Jumbo Flap Discs

Part Number	Size D x H	Max RPM	Grit
RAD64000902	4" x 5/8"	15,300	40
RAD64000903	4" x 5/8"	15,300	60
RAD64000904	4" x 5/8"	15,300	80
RAD64000908	4 1/2" x 7/8"	13,300	40
RAD64000909	4 1/2" x 7/8"	13,300	60
RAD64000910	4 1/2" x 7/8"	13,300	80
RAD64000914	4 1/2" x 5/8"-11	13,300	40
RAD64000915	4 1/2" x 5/8"-11	13,300	60
RAD64000916	4 1/2" x 5/8"-11	13,300	80
RAD64000932	7" x 7/8"	8,600	40
RAD64000933	7" x 7/8"	8,600	60
RAD64000934	7" x 7/8"	8,600	80
RAD64000938	7" x 5/8"-11	8,600	40
RAD64000939	7" x 5/8"-11	8,600	60
RAD64000940	7" x 5/8"-11	8,600	80

Gas Equipment

Welding & Cutting Equipment

Welding Support

Filler Metals

MRO Supplies

Safety

Index

Flap Discs

RADNOR®

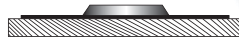
Radnor® Trimmable Zirconia Type 27 Flap Discs

Plastic back plate is easily trimmed, allowing more use of each flap. Best productivity on mild carbon steel, stainless steel, aluminum, ferrous materials and cast iron. Conformable flaps and versatile grit range remove stock and finish with one product.

Typical Applications

- Stock removal
- Edge chamfering
- Weld blending
- Deburring
- Cleaning and finishing
- Deflashing

Type 27 Flat



Zirconia Trimmable Flap Discs

Part Number	Description	Grit	Max. RPM
RAD64000950	ZA Flap Disc, 4.5" x 7/8"	40	13,300
RAD64000951	ZA Flap Disc, 4.5" x 7/8"	60	13,300
RAD64000952	ZA Flap Disc, 4.5" x 7/8"	80	13,300
RAD64000954	ZA Flap Disc, 4.5" x 5/8"-11	40	13,300
RAD64000955	ZA Flap Disc, 4.5" x 5/8"-11	60	13,300
RAD64000956	ZA Flap Disc, 4.5" x 5/8"-11	80	13,300



Norton flap discs are engineered for light stock removal, blending and finishing all in one application. They grind like a depressed center wheel and finish like a fiber disc to reduce process time and lower total grinding costs.

Typical Applications

- Stock removal
- Deburring
- Blending welds
- Edge chamfering
- Rust removal
- Cleaning and finishing

Norton SG Blaze R980

Longest life, coolest cut rate

Features

- Next generation SG ceramic abrasive grain

Benefits

- Last 50% – 200% longer than any flap discs on stainless steel, cobalt, chrome, Inconel, titanium and other hard-to-grind materials

Type 27 Flat



SG Blaze R980

Part Number	Dimensions	Grit	Max. RPM
NOR66261100005	4 1/2" x 5/8"-11	36	13,000
NOR66261100006	4 1/2" x 5/8"-11	40	13,000
NOR66261100007	4 1/2" x 5/8"-11	60	13,000
NOR66261100001	4 1/2" x 7/8"	36	13,000
NOR66261100002	4 1/2" x 7/8"	40	13,000
NOR66261100003	4 1/2" x 7/8"	60	13,000
NOR66261100004	4 1/2" x 7/8"	80	13,000



ZIRCOTEX® PREMIUM

- Zirconia alumina cloth
- Standard thickness
- Faster aggressive grinding action

ZIRCOMAX® HIGH DENSITY

- Zirconia alumina cloth
- Higher loft, more flaps and longer life
- Cushioned grinding action



ZIRCOMAX® HIGH DENSITY

Metal, Stainless, Aluminum High Density Discs for Extra Long Life

- Type 27 – Zirconia Alumina with Fiberglass Backing Plate
- Grinding, blending and finishing
- **MADE IN USA**

Use on
Angle
Grinders



Type 27



Part Number ZA40	Part Number ZA60	Part Number ZA80	Dimensions Dia. x Arbor	Max. RPM
FLEZ4532F	FLEZ4537F	FLEZ4542F	4½" x 7/8"	12,000
FLEZ4532FH	FLEZ4537FH	FLEZ4542FH	4½" x 5/8"-11	12,000

ZIRCOTEX® PREMIUM

Metal, Stainless, Aluminum Standard Thickness Discs

- Type 29 – Zirconia Alumina with Fiberglass Backing Plate
- Grinding, blending and finishing
- **MADE IN USA**

Use on
Angle
Grinders



Type 29



Part Number ZA40	Part Number ZA60	Part Number ZA80	Dimensions Dia. x Arbor	Max. RPM
FLEZ4500F	FLEZ4505F	FLEZ4510F	4½" x 7/8"	13,300
FLEZ4500FH	FLEZ4505FH	FLEZ4510FH	4½" x 5/8"-11	13,300

Use on
Angle
Grinders



Type 27



- Type 27 – Zirconia Alumina with Fiberglass Backing Plate
- Grinding, blending and finishing
- **MADE IN USA**

Part Number ZA40	Part Number ZA60	Part Number ZA80	Dimensions Dia. x Arbor	Max. RPM
FLEZ4530F	FLEZ4535F	FLEZ4540F	4½" x 7/8"	13,300
FLEZ4530FH	FLEZ4535FH	FLEZ4540FH	4½" x 5/8"-11	13,300

Power Brushes

Wheel Brushes - Overview

Types

Knot or Crimped Style

Fill Types

Carbon Steel or Stainless Steel

Applications

Surface prep prior to painting or plating; cleaning of rust, scale, oxidation and dirt; deburring; edge blending; roughening for adhesion; finishing for appearance; weld cleaning.



Knot Style

RADNOR **Weiler**

Part Number		Diameter	Face Width	Wire Size	Arbor Hole	Max. RPM
Steel	Stainless					
RAD64000322	—	3"	3/8"	.014	1/2" - 3/8"	25,000
RAD64000324	—	4"	1/2"	.014	1/2" - 3/8"	20,000
RAD64000326	—	4"	1/2"	.020	1/2" - 3/8"	20,000
RAD64000328	—	6"	1/2"	.014	5/8" - 1/2"	9,000
WBU08014	WBU08264	3"	3/8"	.014	1/2" - 3/8"	25,000



RAD64000324

Standard Twist

- Fast cleaning action
- Weld cleaning
- Surface preparation



RAD64000334

Stringer Bead Twist

- Cleaning stringer bead welds
- Special construction to prevent unwinding of knots
- Quick mount threaded nut

Part Number		Diameter	Face Width	Wire Size	Arbor Hole	Max. RPM
Steel	Stainless					
RAD64000330	—	5"	3/16"	.020	5/8"-11 UNC	12,500
RAD64000332	RAD64000336	6"	3/16"	.020	5/8"-11 UNC	12,500
RAD64000334	—	6 7/8"	3/16"	.020	5/8"-11 UNC	9,000

Wheel Brushes for Small Angle Grinders

RADNOR **Weiler**

Part Number		Diameter	Face Width	Trim Length	Wire Size	Arbor Hole	Max. RPM
Steel	Stainless						
RAD64000366	RAD64000372	4"	1/2"	—	.014	5/8"-11 UNC	20,000
RAD64000368	RAD64000374	4"	1/2"	—	.014	1/2"-13 UNC	20,000
RAD64000370	RAD64000376	4"	1/2"	—	.014	M-10 x 1.25	20,000
WBU13106	WBU13113	4"	—	7/8"	.014	5/8"-11 UNC	20,000
WBU13120	—	4"	—	7/8"	.2	5/8"-11 UNC	20,000
WBU08106	—	6"	1/2"	—	.023	5/8"-11 UNC	9,000



RAD64000366

Standard Twist

- Cleaning grooves and bead welds
- Easy to handle



RAD64000378

Stringer Bead Twist

- Cleaning of stringer bead welds
- Great for fillet weld cleaning

Part Number		Diameter	Face Width	Trim Length	Wire Size	Arbor Hole	Max. RPM
Steel	Stainless						
RAD64000378	RAD64000386	4"	3/16"	—	.020	5/8"-11 UNC	20,000
RAD64000380	—	4"	3/16"	—	.020	1/2"-13 UNC	20,000
RAD64000382	RAD64000390	4"	3/16"	—	.020	M-10 x 1.25	20,000
RAD64000384	RAD64000392	4"	3/16"	—	.020	3/8"-24 UNF	20,000
WBU08756	—	5"	3/16"	—	.020	5/8"-11 UNC	12,500
WBU08766	—	6"	3/16"	—	.020	5/8"-11 UNC	12,500
WBU08776	—	6"	1/2"	—	.023	5/8"-11 UNC	N/A
WBU13266	—	4"	—	7/8"	.200	5/8"-11 UNC	20,000
WBU09000	—	6 7/8"	3/16"	—	.020	5/8"-11 UNC	9,000
WBU09400	—	6"	3/16"	—	.020	5/8"-11 UNC	22,000
WBU13131	WBU13138	4"	—	7/8"	.020	5/8"-11 UNC	20,000

RADNOR **Weiler**

Part Number	Steel	Diameter	Face Width	Trim Length	Wire Size	Arbor Hole	Max. RPM
RAD64000360	—	4"	1/2"	—	.014	5/8"-11 UNC	14,000
RAD64000362	—	4"	1/2"	—	.014	1/2"-13 UNC	14,000
RAD64000364	—	4"	1/2"	—	.014	M-10 x 1.25	14,000
RAD64000480	—	4"	1/2"	—	.006	1/2" - 5/8"	12,500
WBU01165	—	8"	3/4"	—	.0118	5/8"	6,000
WBU01175	—	8"	3/4"	—	.014	5/8"	6,000
WBU06110	—	8"	1"	—	.0118	2"	4,500
WBU15473	—	2"	3/8"	1/2"	.014	1/2" - 3/8"	20,000
WBU15563	—	3"	5/8"	1"	.0118	1/2" - 3/8"	20,000
WBU15573	—	3"	5/8"	1"	.014	1/2" - 3/8"	20,000



RAD64000360

Crimped Style

- Fast cleaning action
- Surface preparation

- Provide fine to medium brushing action
- Excellent for uneven surfaces



RAD64000400

Radnor® Bench & Straight Grinder Wheels

Part Number	Diameter	Face Width	Wire Size	Arbor Hole	Max. RPM
RAD64000400	6"	1/2"	.014	5/8" - 1/2"	6,000
RAD64000402	6"	1"	.014	5/8" - 1/2"	6,000



Radnor® Cup Brushes

Types

Crimped Style or Knot

Fill Types

Carbon Steel or Stainless Steel

Applications

Cleaning of large metal surfaces; weld scale and corrosion removal; surface preparation prior to welding; weld spatter removal; rust and paint removal; roughening; deburring.

Crimped Wire

- Fast cleaning action
- Rust removal
- Surface preparation



RAD64000306

Heavy-Duty Knot

- Fast cleaning action on large surfaces
- Cleaning corners and hard-to-reach places
- Long lasting



RAD64000312

Part Number	Steel	Diameter	Trim Length	Wire Size	Arbor Hole	Max. RPM
RAD64000300	—	4"	1 3/8"	.014	5/8"-11	9,000
RAD64000302	—	4"	1 3/8"	.020	5/8"-11	9,000
RAD64000304	—	5"	1 3/8"	.020	5/8"-11	9,000
RAD64000306	—	6"	1 1/4"	.020	5/8"-11	6,600

Part Number	Steel	Stainless	Diameter	Trim Length	Number of Rows	Wire Size	Arbor Hole	Max. RPM
RAD64000308	—	—	4"	1 1/4"	1	.014	5/8"-11	9,000
RAD64000309	—	—	5"	1 3/8"	1	.035	5/8"-11	7,000
RAD64000310	—	RAD64000318	4"	1 1/4"	1	.020	5/8"-11	9,000
RAD64000311	—	—	5"	1 3/8"	1	.025	5/8"-11	7,000
RAD64000312	—	—	6"	1 3/8"	1	.025	5/8"-11	6,600
RAD64000313	—	—	6"	1 3/8"	1	.035	5/8"-11	6,600
RAD64000314	—	RAD64000320	6"	1 3/8"	2	.025	5/8"-11	6,600
RAD64000316	—	—	6"	1 3/8"	2	.035	5/8"-11	6,600

Cup Brushes for Small Angle Grinders

Crimped Wire

- Greater brushing flexibility
- Removes light rust and oxides
- Fast brushing action



RAD64000338

Knot Style

- Weld cleaning
- Pipe bevel cleaning
- Cleaning hard-to-reach areas



RAD64000346

Knot Style Cup Brush

- Cleaning corners and hard to reach places
- Long lasting



WBU12316

Knot Style Bevel Brush

- Ideal for irregular surfaces
- Long lasting



WBU13456



Part Number	Steel	Stainless	Diameter	Trim Length	Wire Size	Arbor Hole	Max. RPM
RAD64000338	—	—	2 3/4"	7/8"	.014	5/8"-11 UNC	14,000
RAD64000340	—	—	2 3/4"	7/8"	.014	M-10 x 1.25	14,000
RAD64000342	—	—	2 3/4"	7/8"	.014	3/8"-24 UNF	14,000
RAD64000344	—	—	3 1/2"	3/4"	.014	5/8"-11 UNC	12,000
WBU14036	—	—	4"	1 3/8"	.02	5/8"-11 UNC	9,000
WBU14076	—	—	6"	1 1/4"	.02	5/8"-11 UNC	6,600
—	—	WBU13188	3 1/2"	7/8"	.014	5/8"-11 UNC	12,000

Part Number	Steel	Stainless	Diameter	Trim Length	Number of Rows	Wire Size	Arbor Hole	Max. RPM
RAD64000346	—	—	2 3/4"	7/8"	1	.020	5/8"-11 UNC	14,000
RAD64000347	—	RAD64000356	2 3/4"	7/8"	1	.014	5/8"-11 UNC	14,000
RAD64000348	—	—	2 3/4"	7/8"	1	.014	1/2"-13 UNC	14,000
—	—	RAD64000358	2 3/4"	7/8"	1	.014	M-10 x 1.25	14,000
RAD64000350	—	—	2 3/4"	7/8"	1	.020	M-10 x 1.25	14,000
RAD64000352	—	—	2 3/4"	7/8"	1	.020	M-10 x 1.50	14,000
RAD64000354	—	—	3 1/2"	7/8"	1	.020	5/8"-11 UNC	13,000

Part Number	Steel	Stainless	Diameter	Trim Length	Wire Size	Arbor Hole	Max. RPM
WBU12316	—	—	4"	1 1/4"	.023	5/8"-11 UNC	900
WBU12356	—	—	6"	1 3/8"	.014	5/8"-11 UNC	6600
WBU12736	—	—	3 1/2"	1 1/4"	.014	5/8"-11 UNC	9000
WBU12746	—	—	3 1/2"	1 1/4"	.020	5/8"-11 UNC	9000
WBU13025	—	—	2 3/4"	1"	.014	5/8"-11 UNC	14000
WBU13156	—	—	3 1/2"	7/8"	.023	5/8"-11 UNC	13000
—	—	WBU13258	2 3/4"	1"	.020	5/8"-11 UNC	14000
WBU13283	—	—	2 3/4"	1"	.020	M14 x 2.0	14000
WBU13286	—	—	2 3/4"	1"	.020	5/8"-11 UNC	14000

Part Number	Steel	Diameter	Trim Length	Face Width	Wire Size	Arbor Hole	Max. RPM
WBU13456	—	4 1/2"	1"	3/8"	.014	5/8"-11	12,500
WBU17912	—	2 1/2"	5/8"	—	.014	—	20,000
WBU17914	—	3"	1 5/16"	—	.006	—	20,000

**Radnor® Scratch Brushes****Types**

Hand wire brushes in curved and shoe handle, small handles and chipping hammer refill.

Filler Types

Carbon steel, stainless steel, or brass.

Block Types

Wood and plastic.

Applications

Dirt, rust and scale removal from metal surfaces; cleaning and scale removal from pipe threads and metal castings; weld scale, slag and spatter removal.



RAD64000434

Curved Handle Brushes

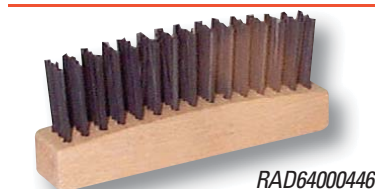
Part Number		Number of Rows	Block Size	Brush Part	Trim Length
Steel	Stainless				
RAD64000434	RAD64000438	3 x 19	14" x 1"	5½"	1¾"
RAD64000436	RAD64000440	4 x 19	14" x 1½"	6"	1¾"



RAD64000444

Shoe Handle Brush

Part Number		Number of Rows	Block Size	Brush Part	Trim Length
Steel	Stainless				
RAD64000442	RAD64000444	4 x 16	10" x 1¼"	5"	1¾"



RAD64000446

Chipping Hammer Brush

Part Number Steel	No. of Rows	Wire Size	Block Size	Brush Part	Trim Length
RAD64000446*	3 x 15	.012	4⅝" x 7/8"	4½"	1⅛"
RAD64000447	3 x 15	.012	4⅝" x 7/8"	4½"	1⅛"

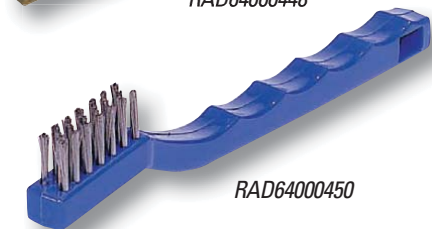
* POP - 1 per pack



RAD64000445



RAD64000448



RAD64000450

Weld Cleaning and Inspection Brushes

Part Number				Handle Material	Number of Rows	Block Size	Fill Material	Trim Length
Stainless	U/M	Brass	U/M					
RAD64000445**	ea	—	—	Wood	3 x 7	7¾" x 7/16"	.006 Stainless Steel	½"
RAD64000448	ea	—	—	Wood	3 x 7	7¾" x 7/16"	.006 Stainless Steel	½"
RAD64000449*	pk	—	—	Wood	3 x 7	7¾" x 7/16"	.006 Stainless Steel	½"
RAD64000450	ea	—	—	Plastic	3 x 7	7¾" x 7/16"	.006 Stainless Steel	½"
RAD64000451*	pk	—	—	Plastic	3 x 7	7¾" x 7/16"	.006 Stainless Steel	½"
—	—	RAD64000454	ea	Wood	3 x 7	7¾" x 7/16"	.006 Straight Brass	½"
—	—	RAD64000455*	pk	Wood	3 x 7	7¾" x 7/16"	.006 Straight Brass	½"
RAD64000452	ea	—	ea	Wood	2 x 9	8⅝" x ½"	.006 Stainless Steel	⅝"
RAD64000453*	pk	—	pk	Wood	2 x 9	8⅝" x ½"	.006 Stainless Steel	⅝"

* POP - 2 per pack

** Laced Back



RAD64000456

Acid Brushes

Part Number	Width	Overall Length	Trim Length	U/M
RAD64000456*	⅜"	5¾"	¾"	bx
RAD64000457**	⅜"	5¾"	¾"	pk
RAD64000458*	½"	5¾"	¾"	bx

* Bulk - 144 per pack

** POP - 6 per pack

Type

Horsehair filling in a tin ferrule handle.

Applications

Used to apply flux to area to be welded.



Since 1857, Klein Tools® has manufactured fine hand tools. Today, Klein Tools® is a priority choice among professional tradesmen. They manufacture tools and accessories for construction, electrical and other various industries. Their dedication to quality and innovation continues with products available for professional tradesmen worldwide.

Erection Wrench

- Forged from select alloy steel to withstand high-leverage and heavy loads
- Continuous taper of handle makes lining up bolt holes easy and works on a range of bolt-hole sizes without binding



Part Number	Description	Bolt Size	Nominal Opening	Head Width	Overall Length	Weight
K033212	Erection Wrench	3/4"	1 1/4"	2 1/2"	16 5/8"	1.98 lb

Adjustable-Head Construction Wrench

- Versatile wrench fits nuts and bolts to 1 1/2", eliminating the need to carry several fixed-size wrenches
- Forged from select alloy steel with continuous-taper handle



Part Number	Description	Max. Size	g	Weight
K033239	Construction Wrench	1 1/2"	16"	2.36 lb

Broad Head Bull Pins

- Forged, heat-treated bull pin increases efficiency by providing a larger striking surface
- Below the head, squared-off shoulders have been forged to provide a surface for applying a wrench to loosen wedged bull pins



Part Number	Description	Top Diameter	Point Diameter	Length	Weight
K033255	Bull Pin	1 1/4"	5/16"	13 3/4"	2.90 lb
K033256	Bull Pin	1 1/16"	1/4"	10"	1.60 lb



Round Bar

- Provides extra leverage when positioning steel members and aligning bolt holes
- Forged fit-up bar is pointed on one end with chisel-end at a 15° angle

Part Number	Description	Length	Diameter	Weight
K033248	Round Bar	30"	7/8"	4.30 lb

Bull-Pin and Bolt Bags

- Number 4 canvas with double bottom
- Bolt bag with bull-pin loop on each side
- Tunnel belt connection, up to 3" wide



Part Number	Description	L x W x D	Weight
K035416T	Bull-Pin and Bolt Bag	5" x 9" x 10"	.90 lb

Ironworker's Work Pliers

- Hot-riveted joint ensures smooth action and no handle wobble
- Unique handle tempering helps absorb the energy when cutting wire
- Twists and cuts soft annealed rebar tie wire
- Spring-loaded action for self-opening
- High-Leverage Pliers are designed with the rivet closer to the cutting edge for greater cutting and gripping power than other plier designs



K03D2000-7CST



K03D213-9ST



K03D248-9ST

Part Number	Description	Jaw L x W x T	Overall Length
K03D201-7CST	Side-Cutting, Standard	1 9/32" x 1 5/32" x 1/2"	9 1/4"
K03D2000-7CST	Side-Cutting, Heavy-Duty	1 9/32" x 1 5/32" x 1/2"	9 1/4"
K03D213-9ST	Side-Cutting, High-Leverage, Standard	1 19/32" x 1 1/4" x 5/8"	9 3/8"
K03D2000-9ST	Side-Cutting, High-Leverage, Heavy-Duty	1 19/32" x 1 1/4" x 5/8"	9 3/8"
K03D248-9ST	Diagonal-Cutting, High-Leverage, Standard	1 3/16" x 1 3/16" x 7/16"	9 3/16"

Hand Tools



WRIGHT TOOL
PERFECTING PERFORMANCE

Since 1927, the Wright Tool Company has manufactured top quality hand tools. The use of WrightAlloy™ steel, precision heat treating, and advanced manufacturing techniques results in products of long life, durability and toughness.



W209016



W209051



W209507



W209508

Wright Tool Hammers

Part Number	Description	Weight	Length
W209016	Ball Peen, Wood Handle	24 oz	15"
W209051	Ripping, Fiberglass Handle	20 oz	14"

Wright Tool Steel Tape Measures

Part Number	Description	Tape Size
W209507	Tape Measure	3/4" x 16'
W209508	Tape Measure	1" x 25'



W209AB10

RIDGID



W209R31025



W209R31105



W209605

Wright Tool Adjustable Wrenches

Part Number	Description	Finish	Length	Max. Capacity
W209AB10	Adjustable Wrench	Black Industrial	10"	13/8"
W209AB12	Adjustable Wrench	Black Industrial	12"	1 1/2"

Wright Tool Pipe Wrenches

Part Number	Description	Length	Max. Pipe Diameter	Weight
W209R31025	Heavy-Duty, Steel	18"	2 1/2"	5.58 lb
W209R31105	Heavy-Duty, Aluminum	24"	3"	5.71 lb

Wright Tool Cold Chisel

Part Number	Description	Dimensions
W209605	Mayhew #70 Cold Chisel	3/4" x 7"



3M

3M™ Scotch-Brite™ Hand Pads

- Excellent for hand finishing and cleaning of metals and composites
- Ideal for paint prep and general cleaning
- Maroon, 6" x 9", very fine grade pads

Part Number	Description	Packaged
3MA048011-04029	Hand Pad, 7447	20/bx
3MA048011-04229	Hand Pad, 7447B	60/bx



Norton Bear-Tex Hand Pads

- For general purpose cleaning, deburring, blending, polishing and finishing
- Non-woven nylon web impregnated with aluminum oxide abrasive grain and resin
- Waterproof and solvent resistant
- Dark tan, 6" x 9", general purpose pad with very fine grit size

Part Number	Description	Packaged
NOR66261074700	Hand Pad, 747	20/bx



Irwin® Strait-Line® Aluminum Chalk Reel

- Heavy-duty durable aluminum alloy case
- Steel-plated hook and large grip anchor ring
- Retractable self-locking metal handle allows reel to be used as a plumb bob
- Twisted cotton line holds more chalk for multiple line strikes
- Holds approximately 2 oz. of chalk



Part Number	Description	Length
VIS64110	Chalk Reel	100"



Irwin® Original™ Curved Jaw Locking Pliers

- Curved jaw with built-in wire cutter; great for a variety of applications and material shapes
- Classic trigger release provides maximum locking force
- High-grade heat-treated alloy steel with hardened teeth designed to grip from any angle
- Hex key adjusting screw tightens to adjust pressure

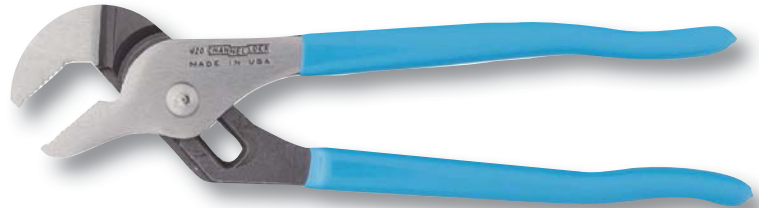
Part Number	Description	Model	Length	Jaw Capacity
VIS0502L3	Curved Jaw Locking Plier	10WR®	10"	1 7/8"



WORK HARD. SWEAT BLUE.

Channellock® Straight Jaw Plier

- Strong high-carbon steel with electronic coating for rust prevention
- Patented reinforcing edge minimizes stress breakage
- Right-angle, laser-heat treated teeth grip better and last longer
- PermaLock® fastener eliminates nut and bolt failure



Part Number	Description	Length	Jaw Length	Jaw Capacity	Weight
CNL420	Straight Jaw Plier, #420	9.5"	1.12"	1.5"	.87 lb



Empire® Magnetic Torpedo Level

- True Blue® vials are accurate to within .0005" per inch in all 10 level and plumb working positions
- Vials read plumb, level and 45°
- Heavy-duty extruded aluminum frame
- V-grooved working edge to fits on pipe or conduit
- Strong holding magnetic edge



Part Number	Description	Model	Length
EMP581-9	Magnetic Torpedo Level	581-9	9"



Empire® Combination Square

- 12" Steel blade with inch graduations
- Machined square head
- Self-aligning drawbolt, hardened scribe

Part Number	Description	Model	Length
EMP230	Combination Square	230	12"



Sumner® Fold-A-Jack® Folding Jack Stand with V Head

- Patented Fall Guard® feature allows 1" safety zone around lockwasher
- Sturdy 1" square tube base construction
- Quick-action lock washer for fast height adjustment
- 1 1/2" Acme fine adjustment thread
- Folds up with a carrying handle for easy storage and transport



Part Number	Description	Model	Height	Weight Capacity	Weight
SUM781300	Folding Jack Stand	ST-881	21" - 36"	2,500 lb	25 lb

Gas Equipment

Welding & Cutting Equipment

Welding Support

Filler Metals

MRO Supplies

Safety

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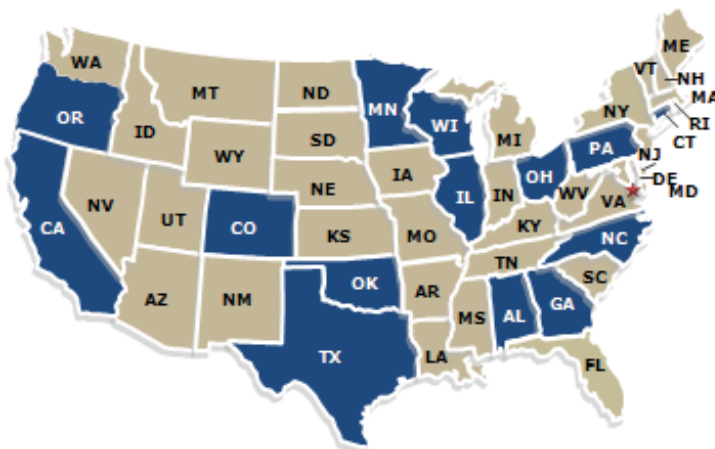
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