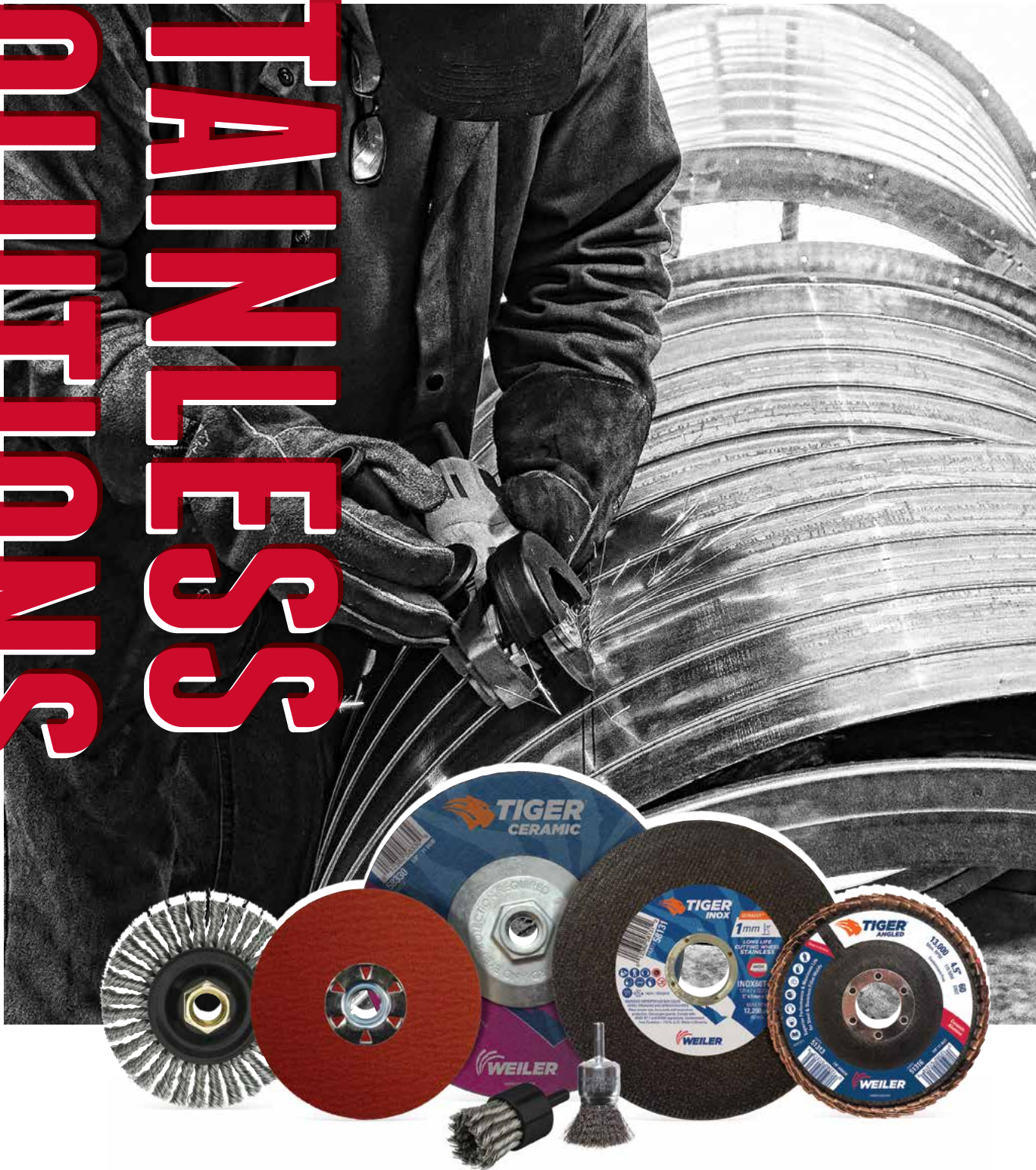


# SOLUTIONS TO STAINLESS



*Maximize your time on the job with products specifically designed for high performance cutting, grinding and cleaning stainless steel.*

# WORKING WITH STAINLESS STEEL

Stainless steel is more resistant to the elements than carbon steel, which makes it more desirable — and more expensive, so it is critical to choose the right abrasives and brushes. Doing so can significantly improve production efficiency, lower rework costs and reduce material waste.



## CROSS-CONTAMINATION

Although stainless steels are chosen for their corrosion resistance, they are not immune to it. Many companies utilize both carbon and stainless steel in their manufacturing operations, and one of the biggest concerns is the potential for cross-contamination. The surface is what gives stainless steel its corrosion resistance so it's important to properly protect it. This includes avoiding any mechanical damage, such as scratches during fabrication, that can cause passive film deterioration.

Stainless steel can become contaminated in many ways, the most frequent is by exposure to iron while using the wrong cleaning or grinding product. For example, cleaning or finishing with a carbon steel brush on stainless steel may leave a residue on the surface of the workpiece and lead to "after rust". Weiler's stainless steel wire brushes are manufactured using wire drawn from type 302 stainless steel. Although 302 stainless is typically a non-magnetic material, it is important to remember that the amount of cold working that it experiences during the wire-drawing process causes the wire to become magnetic. For this reason, proper storage and handling of stainless steel brushes are critical to prevent cross-contamination and "after rust" issues.

### NEW COLOR-CODED BRUSHES

Our popular stainless steel brushes are now color-coded black for easy identification, even during operation.

**Cross-contamination is avoidable.** Marking products to distinguish them can be valuable, as can splitting operation areas in the manufacturing facility between carbon and stainless. Limiting operator access to storage areas can also help. Remember to always avoid storing a carbon brush next to a stainless steel brush where they could come into contact with each other.

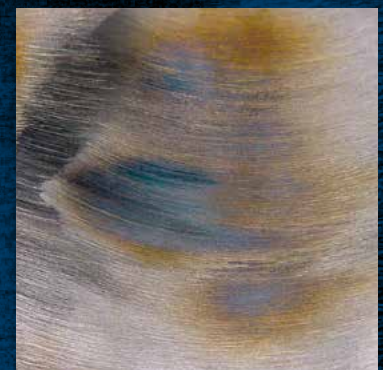
*Cross-contamination of abrasives and brushes can cause "after rust" on expensive stainless steel parts. Never use these products on stainless steel after exposing them to carbon steel or other metals.*

## HEAT DISCOLORATION

When cutting, grinding or finishing stainless steel, heat discoloration is a potential issue that can arise if an operator builds up too much heat. Heat discoloration in the metal almost resembles an "oil spill". When this happens, the heat discoloration must be finished out of the stainless steel, requiring an extra step that costs both time and money. To help mitigate this problem, there are abrasive grains and coatings that allow operators to either use less pressure, reduce surface friction or both. Abrasives should always be changed before they are completely worn out, as they will generate more heat at the end of their lives.



Properly finished stainless steel plate.



Typical heat discoloration on stainless steel.

## PRODUCT SELECTION

When working with stainless steel look for specific product features that will increase productivity and lower total cost of use.

Choosing the right product increases operator efficiency, reduces rework, improves finish, and eliminates the risk of cross-contamination.



### BONDED ABRASIVES

Look for contaminant-free or **INOX** markings on cutting and grinding wheels. This means they are manufactured with additives that contain less than 0.1% iron, sulfur & chlorine.



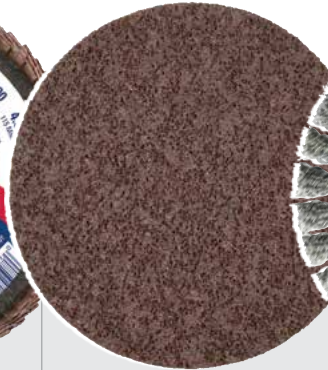
**CONTAMINANT-FREE**  
CONTAIN LESS THAN 0.1%  
IRON, SULFUR & CHLORINE



### COATED ABRASIVES

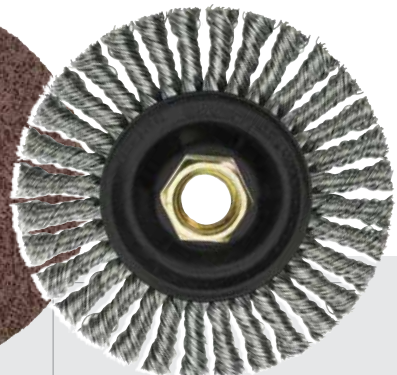
Always choose a product marked as **contaminant-free** to avoid contamination of the workpiece.

**Top coated** products are often used on stainless steel because they grind cooler, eliminating loading and heat buildup.



### NON-WOVEN ABRASIVES

Non-woven abrasive products can be used in a broad range of stainless steel surface conditioning applications, from cleaning and finishing, to deburring and light blending.



### WIRE BRUSHES

**Type 302 stainless** wire is used in the manufacturing of brushes for its relative durability and aggressive action as well as its austenitic properties that ensure corrosion resistance.

**Type 316 stainless** wire brushes are used for applications requiring extreme corrosion protection. (see product listing for details)

**Degreased brushes** are used for applications where all residue must be eliminated.

**Type 316 stainless brushes and degreased brushes are available by special order. Longer lead times and minimum order quantities apply. Contact your Weiler representative for details.**

## STAINLESS STEEL TYPES

The two most common grades of stainless steel used in the industrial market are 304 and 316. Both have a high percentage of chromium, which forms the protective barrier that gives stainless steel its name. However, 316 is more resistant to chlorides (sea water, salts) due to the addition of molybdenum. It also costs significantly more than 304, so it is primarily used in more niche applications where the value of it can be realized.

### AUSTENITIC 200-300 SERIES

Excellent Corrosion Resistance

Non-magnetic

**USES:** Automotive trim, cookware, processing equipment

### FERRITIC 400 SERIES

Good Corrosion Resistance

Magnetic

**USES:** Automotive exhaust systems

### MARTENSITIC 400 SERIES

Limited Corrosion Resistance

Magnetic

**USES:** Cutlery, multi-purpose tools

### DUPLEX STAINLESS STEELS

Very Good Corrosion Resistance

Magnetic

**USES:** Heat exchangers, condensers, pressure vessels, piping systems

# CUTTING & GRINDING

Weiler's contaminant-free cutting, grinding and combination wheels help metal fabrication professionals get demanding stainless steel jobs done right and done fast.



## MAX PERFORMANCE SUPERIOR LIFE & CUT



CUT RATE: ●●●●●  
LIFE: ●●●●●

**TIGER CERAMIC**  
Self-sharpening, cool cutting Tiger Ceramic grinds at lower temperatures with less friction and less effort, reducing heat discoloration of the workpiece.

**GRAIN TYPE**  
Ceramic alumina

**CONTAMINANT-FREE**  
CONTAIN LESS THAN 0.1% IRON, SULFUR & CHLORINE

### BEST ON

STEEL / METAL

STAINLESS HARD-TO-GRIND

(Hard-to-grind metals include tool steel, inconel, high nickel alloy, titanium and armored steel)

## HIGH PERFORMANCE LONG LIFE & FAST CUT



CUT RATE: ●●●●●  
LIFE: ●●●●●

**TIGER INOX**  
Tiger INOX wheels deliver a worry-free solution for stainless steel applications.

**GRAIN TYPE**  
White aluminum oxide

**CONTAMINANT-FREE**  
CONTAIN LESS THAN 0.1% IRON, SULFUR & CHLORINE

### BEST ON

STAINLESS

(and harder grade steel)



58131

## TYPE 1 1MM ULTRACUT WHEELS

UltraCut 1mm cutting wheels deliver lightning fast, super smooth, clean cuts on sheet metal, tubes, profiles, and small cross-section rods.

### TIGER INOX CUTTING WHEELS

Cutting on Sheet Metal, Tubes, Profiles, & Small Cross-sections / Contaminant-free\*

TYPE 1  
7/8" Arbor



4-1/2"	1 mm	INOX60T	13,300	50	58130
5"	1 mm	INOX60T	12,200	50	58131

\*Contaminant-free, Contains less than 0.1% Fe, S, Cl

## TYPE 1 SMALL DIAMETER CUTTING WHEELS

Weiler's cutting wheels provide a consistent, well balanced, high quality solution. A smooth outer layer reduces friction for an effortless cut and less kickback.

### TIGER CERAMIC CUTTING WHEELS

Superior Life & Cut / Contaminant-free\*

TYPE 1  
1/4" Arbor

TYPE 1  
3/8" Arbor

Dia.	Thickness	Grade	Max. RPM	Pack	Item #	Pack	Item #
3"	1/16"	CER36T	25,000	100	58345	100	58342
4"	1/16"	CER36T	19,000	25	58351	25	58348



58345

## TYPE 1 & 27 CUTTING WHEELS

Weiler's cutting wheels provide a consistent, well balanced, high quality solution. A smooth outer layer reduces friction for an effortless cut and less kickback.



### TIGER CERAMIC CUTTING WHEELS

Superior Life & Cut / Contaminant-free\*

		TYPE 1 7/8" Arbor		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	.045"	CER60S	13,300	25	58300	25	58305
5"	.045"	CER60S	12,200	25	58301	25	58307
6"	.045"	CER60S	10,200	25	58302	25	58309
7"	.060"	CER60S	8,500	25	58303	25	58311

### TIGER INOX CUTTING WHEELS

Long Life & Fast Cut / Contaminant-free\*

		TYPE 1 7/8" Arbor		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	.045"	INOX60S	13,300	25	58100	25	58110
5"	.045"	INOX60S	12,200	25	58101	25	58111
6"	.045"	INOX60S	10,200	25	58102	25	58112
7"	.060"	INOX60S	8,500	25	58103	25	58107



## TYPE 27 GRINDING WHEELS

Tiger type 27 grinding wheels are designed with fiberglass cut back from the edge to provide instant aggressive grinding on new wheels.



### TIGER CERAMIC

Superior Life & Cut / Contaminant-free\*

		TYPE 27 5/8" Arbor		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
Dia.	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #
4"	1/4"	CER24R	15,300	10	58335	—	—
4-1/2"	1/4"	CER24R	13,300	—	—	10	58325
5"	1/4"	CER24R	12,200	—	—	10	58327
6"	1/4"	CER24R	10,200	—	—	10	58329
7"	1/4"	CER24R	8,500	—	—	10	58331
9"	1/4"	CER24R	6,600	—	—	10	58333

### TIGER INOX GRINDING WHEELS

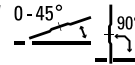
Long Life & Fast Cut / Contaminant-free\*

		TYPE 27 5/8" Arbor		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
Dia.	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	1/4"	INOX24R	13,300	—	—	10	58121
5"	1/4"	INOX24R	12,200	—	—	10	58123
7"	1/4"	INOX24R	8,500	—	—	10	58125
9"	1/4"	INOX24R	6,600	—	—	10	58127



## TYPE 27 COMBO WHEELS

Weiler's cut and grind combination wheels offer flexibility and efficiency when switching between cutting and grinding applications.



### TIGER CERAMIC COMBO WHEELS

Superior Life & Cut / Contaminant-free\*

		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #
4-1/2"	1/8"	CER30T	13,300	25	58315
5"	1/8"	CER30T	12,200	25	58317
6"	1/8"	CER30T	10,200	25	58319
7"	1/8"	CER30T	8,500	25	58321
9"	1/8"	CER30T	6,600	25	58323

### TIGER INOX COMBO WHEELS

Long Life & Fast Cut / Contaminant-free\*

		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #
4-1/2"	1/8"	INOX30T	13,300	25	58115
7"	1/8"	INOX30T	8,500	25	58117
9"	1/8"	INOX30T	6,600	25	58119



## CUTTING TIPS

- A higher cutting force is needed for stainless steel.
- The thinner the cut, the faster the cut and less material that must be removed.
- Utilize a slight sawing motion with minimal depth of cut will help maximize wheel life and cut efficiency.

\*Contaminant-free, Contains less than 0.1% Fe, S, Cl

# GRINDING & FINISHING

Weiler's Abrasive Flap Discs grind and finish in one step, saving you time and money. There's no switching from a Type 27 grinding wheel to a resin fiber disc.



## MAX PERFORMANCE SUPERIOR LIFE & CUT



CUT RATE: ●●●●●  
LIFE: ●●●●●

**TIGER CERAMIC**  
**TOP COAT** for cool, fast grinding  
protects from heat discoloration and  
prevents loading on soft alloys

**GRAIN TYPE**  
Ceramic alumina

**CONTAMINANT-FREE**  
CONTAIN LESS THAN 0.1%  
IRON, SULFUR & CHLORINE

### BEST ON

**STEEL / METAL** **ALUMINUM**  
**STAINLESS** **HARD-TO-GRIND**

(Hard-to-grind metals include tool steel, inconel, high nickel alloy, titanium and armored steel)

## HIGH PERFORMANCE LONG LIFE & FAST CUT



CUT RATE: ●●●●●  
LIFE: ●●●●●

**TIGER X**  
• **FLAT SURFACE GRINDING**  
• Less effort required  
• Fast grinding & long life

**GRAIN TYPE**  
Ceramic & zirconia alumina

**CONTAMINANT-FREE**  
CONTAIN LESS THAN 0.1%  
IRON, SULFUR & CHLORINE

### BEST ON

**STEEL / METAL**  
**STAINLESS**

## STANDARD DENSITY FLAP DISCS



50106

### TIGER CERAMIC (SABER TOOTH)

Top Coated for Cool Grinding / Ceramic Alumina / Phenolic Back

TYPE 29  
7/8" Arbor

TYPE 29  
5/8"-11 Hub

Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #
4-1/2"	36	13,000	10	50100	50104*
	40			50101	50105*
	60			50102	50106*
	80			50103	50107*
	80			50108	50112*
7"	36	8,600	10	50109	50113*
	40			50110	50114*
	60			50111	50115*
	80				
	80				

### TIGER X

Fast Grinding & Long Life on Flat Surfaces /  
Ceramic & Zirconia Alumina / Phenolic Back

TYPE 29  
7/8" Arbor

TYPE 29  
5/8"-11 Hub

TYPE 27  
7/8" Arbor

TYPE 27  
5/8"-11 Hub

Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #	Item #
4-1/2"	36	13,000	10	51200	51204*	—	—
	40			51201	51205*	51223	51226*
	60			51202	51206*	51224	51227*
	80			51203	51207*	51225	51228*
	80						
5"	36	12,000	10	51208	—	—	—
	40			51209	51212*	—	—
	60			51210	51213*	—	—
	80			51211	51214*	—	—
	80						
6"	40	10,200	10	51237	51241	—	—
	60			51238	51242	—	—
	80			51239 •	51243 •	—	—
	80						
	80						
7"	36	8,600	10	51215	51219*	—	—
	40			51216	51220*	51229	51232*
	60			51217	51221*	51230	51233*
	80			51218	51222*	51231	51234*
	80						



51205

## GRINDING TIPS

When grinding stainless, using a very coarse grit (36 grit) increases the risk of gouging the material. 60 or 80 grit is a good starting point for many applications. Always start grinding with a pullback motion instead of a push to reduce the chance of gouging this expensive material.

## STYLE

### CONICAL (Type 29)

15° – 35°



The angled flaps maximize surface contact for aggressive stock removal on flat surfaces.

### FLAT (Type 27)

0° – 15°



Smooth grinding, blending and finishing on flat surfaces and slight contours.

### HIGH DENSITY (Type 27)

0° – 15°



Conformable to irregular surfaces. Smooth grinding, blending and finishing on flat surfaces.

### ANGLED (Type 27 / Hybrid)

0° – 35°



Curved flaps for grinding fillet welds, T-joints, and hard-to-reach areas.

## HIGH DENSITY FLAP DISCS

High density flap discs last up to 40% longer than standard density discs and are more conformable to irregular surfaces. High density flap discs offer smooth grinding, blending and finishing on flat surfaces.

### TIGER CERAMIC HD (SABER TOOTH)

Top Coated for Cool Grinding on Irregular Surfaces / Ceramic Alumina / Phenolic Back

Diameter	Grit	Max. RPM	Std. Pack	TYPE 27 7/8" Arbor	TYPE 27 5/8"-11 Hub
				Item #	Item #
4-1/2"	40	13,000	10	50130	50133*
	60			50131	50134*
	80			50132	50135*
7"	40	8,600	10	50136	50139*
	60			50137	50140*
	80			50138	50141*



50134

## ANGLED FLAP DISCS

The 90° angled flap design is ideal for grinding fillet welds, T-joints and other hard-to-reach places. The flaps wrap around the edge of the backing plate, optimizing flap-to-metal contact and providing exceptional feel and control while grinding.

### TIGER CERAMIC ANGLED

Top Coated for Cool Grinding on Fillet Welds / Ceramic Alumina / Phenolic Back

Diameter	Grit	Max. RPM	Std. Pack	7/8" Arbor	5/8"-11 Hub
				Item #	Item #
4-1/2"	40	13,000	10	51312	51315
	60			51313	51316
	80			51314	51317
5"	40	12,000	10	51318	51321
	60			51319	51322
	80			51320	51323



51313

## TRIMMABLE FLAP DISCS

A trimmable backing plate allows the operator to increase the flap overhang. This feature provides the versatility to adjust for hard-to-reach areas such as fillet welds and irregular shapes.

### TIGER CERAMIC TRIM (SABER TOOTH)

Top Coated for Cool Grinding / Ceramic Alumina / Trimmable Composite Back

Diameter	Grit	Max. RPM	Std. Pack	TYPE 29 7/8" Arbor	TYPE 29 5/8"-11 Hub
				Item #	Item #
4-1/2"	40	13,000	10	50117	50121*
	60			50118	50122*
	80			50119	50123*



50121

# GRINDING, BLENDING & FINISHING

Weiler's coated abrasive resin fiber & blending discs are designed to help get the most demanding stainless steel jobs done right and done fast.



## MAX PERFORMANCE SUPERIOR LIFE & CUT



CUT RATE: ●●●●●  
LIFE: ●●●●●

**TIGER CERAMIC  
TOP COAT** for cool, fast grinding  
protects from heat discoloration and  
prevents loading on soft alloys

### GRAIN TYPE

Ceramic alumina

### CONTAMINANT-FREE

CONTAIN LESS THAN 0.1%  
IRON, SULFUR & CHLORINE

### BEST ON

STEEL / METAL

ALUMINUM

STAINLESS

HARD-TO-GRIND

(Hard-to-grind metals include  
tool steel, inconel, high nickel  
alloy, titanium and armored steel)

## HIGH PERFORMANCE LONG LIFE & FAST CUT



CUT RATE: ●●●●●  
LIFE: ●●●●●

**TIGER ZIRC  
INFUSED WITH CERAMIC** for faster  
grinding and longer life. Disc design  
optimizes grain shedding and promotes  
cool grinding on stainless

### GRAIN TYPE

Ceramic & zirconia alumina

### CONTAMINANT-FREE

CONTAIN LESS THAN 0.1%  
IRON, SULFUR & CHLORINE

### BEST ON

STEEL / METAL

STAINLESS

## RESIN FIBER DISCS

With premium grain mixes that aggressively remove metal and a superior design that locks the grain in, Tiger RFD's are designed to deliver serious grinding solutions. All sizes are available in a standard arbor or quick change hub to reduce down time and eliminate interference from adapter rings.



### TIGER CERAMIC RESIN FIBER DISCS / Ceramic Alumina / Superior Life & Cut Rate on Metal

Diameter	Grit Size	Standard Pack	7/8" Arbor Item #	5/8"-11 Hub Item #
4-1/2"	24	25	69850	69880
	36		69851	69881
	50		69852	69882
	60		69853	69883
	80		69854	69884
5"	24	25	69857	69887
	36		69858	69888
	50		69859	69889
	60		69860	69890
	80		69861	69891
7"	24	25	69864	69894
	36		69865	69895
	50		69866	69896
	60		69867	69897
	80		69868	69898
9"	24	25	69871	69901
	36		69872	69902
	50		69873	69903
	60		69874	69904
	80		69875	69905

Do not exceed maximum RPM of back-up pad.

## TIGER ZIRC RESIN FIBER DISCS / Zirconia Alumina / Ceramic Infused for Faster, Longer Grinding

Diameter	Grit Size	Standard Pack	7/8" Arbor Item #	5/8"-11 Hub Item #
4-1/2"	24	25	59731	59931
	36		59732	59932
	50		59733	59933
	60		59734	59934
	80		59735	59935
	100		59736	59936
	120		59737	59937
5"	24	25	59701	59901
	36		59702	59902
	50		59703	59903
	60		59704	59904
	80		59705	59905
	100		59706	59906
	120		59707	59907
7"	24	25	59711	59911
	36		59712	59912
	50		59713	59913
	60		59714	59914
	80		59715	59915
	100		59716	59916
	120		59717	59917

Do not exceed maximum RPM of back-up pad.

## ACCESSORIES FOR RESIN FIBER DISCS

Description	Thread Size	Max. RPM	Standard Pack	Item #
4-1/2" Back-up Pad	5/8"-11*	11,000	1	59611
5" Back-up Pad	5/8"-11*	10,000	1	59600
7" Back-up Pad	5/8"-11	8,500	1	59601
9" Back-up Pad	5/8"-11	6,500	1	59602
Spanner Wrench	—	—	1	59603
Disc Nut	5/8"-11	—	1	59604

\* Other thread sizes available on special orders.

## BLENDING DISCS



Weiler's cloth backed coated abrasive blending discs are for use on right angle air tools. Available with either a metal hub or a plastic button fastening system, the flexible back-up pads give the discs a great deal of conformability.

## TIGER CERAMIC BLENDING DISCS / Ceramic Alumina / Superior Life & Cut Rate on Metal

Ideal for a wide range of light fabrication, repair and maintenance applications.

Diameter	Grit Size	Standard Pack	Item #	
			Type S Hub Style	Type R Hub Style
2"	36	100	60150	60170
	60		60151	60171
	80		60152	60172
	80		60155	60175
3"	60	50	60156	60176
	80		60157	60177

## BACK-UP PADS FOR BLENDING DISCS / 1/4" Stem

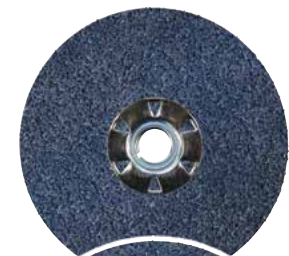
Diameter	Grit Size	Standard Pack	Item #	
			Type S Hub Style	Type R Hub Style
2"	25,000	1	51551	60508
3"	20,000	1	51552	60509

Do not exceed maximum RPM of back-up pad.

\*Compatible with 3M Roloc™ back-up pads. (Roloc™ is a trademark of 3M.)

+Compatible with Norton Speed-Lok® TS back-up pads. (Speed-Lok® TS is a registered trademark of Norton Co.)

59932



59702



59601



59604



59603



60150



60508



51552

# FINISHING

**Weiler's non-woven abrasive products** produce scratch patterns that can be compared to those produced by coated abrasive products. However, their pliable nature results in a softer, less pronounced scratch-line pattern. The strength of these products is producing decorative finishes ranging from satin to near-mirror polish.

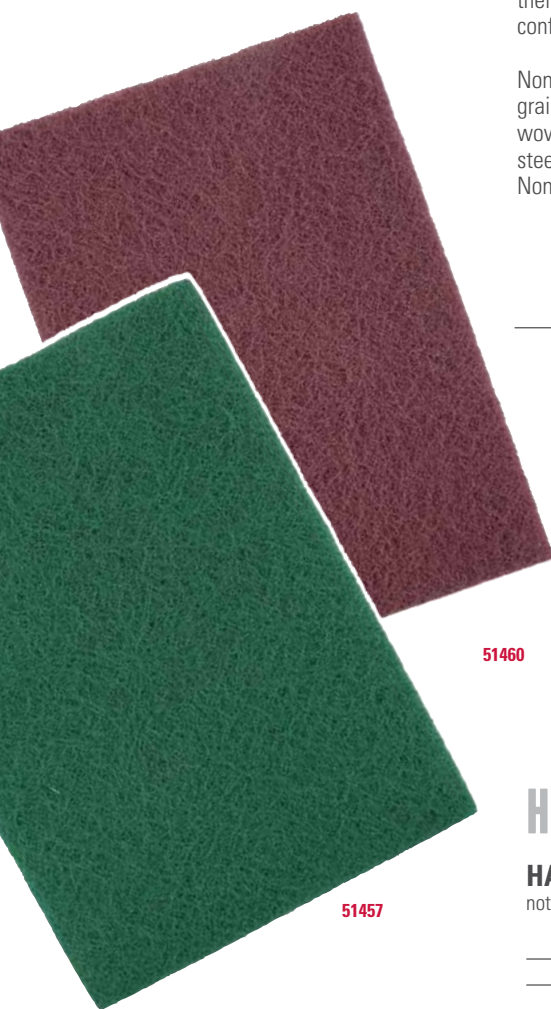
Denser non-woven products are suitable for applications requiring light stock removal such as removing large, well-attached burrs and blending minor tool marks and imperfections.



All non-woven products are fabricated from base materials that are composed of a random "web" of nylon fibers that have been bonded together with synthetic resins and impregnated with abrasive grains. Although these materials vary in fiber density, their three dimensional nature results in specialty abrasive products that are pliable, conformable to the work surface, and limited in their ability to remove base stock.

Non-woven products resist loading and perform consistently as new, fresh abrasive grains are exposed as the nylon fibers wear away from the product during use. Non-woven abrasives can be used either wet or dry on a range of materials including stainless steel. Non-woven products are designed for use where stock removal is not required. Non-wovens begin where coated abrasives leave off.

Grade	Grit Range
Ultra Fine	600
Very Fine	240-360
Fine	180-220
Medium	100-150
Coarse	50-80



51460

51457

## HAND PADS

**HAND PADS** - For cleaning and conditioning surfaces by hand. Unlike steel wool, hand pads are non-metallic, and do not produce "after-rust" on work surfaces. Hand pads can be used in wet applications.

Size	Grain	Grade	Description	Standard Pack	Item Number
<b>Industrial Grade</b>					
6" x 9"	Silicon Carbide	Ultra Fine	Finishing (Grey)	60	51434
6" x 9"	Aluminum Oxide	Medium	Economy General Purpose (Maroon)	60	51460
6" x 9"	Aluminum Oxide	Med/ Coarse	General Purpose (Maroon)	60	51444
6" x 9"	Aluminum Oxide	Heavy-Duty	Heavy-Duty (Tan)	40	51454
<b>Commercial Grade</b>					
6" x 9"	Aluminum Oxide	Fine	Economy (Green)	400	51456
6" x 9"	Aluminum Oxide	Medium	Standard-Duty (Green)	60	51457
6" x 9"	Aluminum Oxide	Heavy-Duty	Heavy-Duty (Green) 20% thicker than Standard Duty	60	51458

# SURFACE CONDITIONING DISCS

Surface conditioning discs have an open construction, scrim reinforcement and a superior resin system. These features minimize loading, heat buildup, fraying of disc edges, grain shedding and extend disc life, providing superior performance.

## TYPE R HUB STYLE DISCS - General Purpose

Compatible with 3M Roloc™ back-up pads.



Diameter	Grade	Standard Pack	Item Number
2"	Very Fine (Blue)	50	51530
	Medium (Maroon)		51531
	Coarse (Brown)		51532
3"	Very Fine (Blue)	25	51533
	Medium (Maroon)		51534
	Coarse (Brown)		51535



## BACK-UP PADS FOR SURFACE CONDITIONING DISCS / 1/4" Stem



Diameter	Grit Size	Standard Pack	Item Number
			Type R Hub Style
2"	25,000	1	60508
3"	20,000	1	60509



Do not exceed maximum RPM of back-up pad.

\*Compatible with 3M Roloc™ back-up pads. (Roloc™ is a trademark of 3M.)

+Compatible with Norton Speed-Lok® TS back-up pads. (Speed-Lok® TS is a registered trademark of Norton Co.)

## HOOK & LOOP STYLE DISCS



Diameter	Grade	Standard Pack	Item Number
3"	Very Fine (Blue)	25	51506
	Medium (Maroon)		51507
	Coarse (Brown)		51508
4-1/2"	Very Fine (Blue)	10	51512
	Medium (Maroon)		51513
	Coarse (Brown)		51514
5"	Very Fine (Blue)	10	51515
	Medium (Maroon)		51516
	Coarse (Brown)		51517
7"	Very Fine (Blue)	10	51521
	Medium (Maroon)		51522
	Coarse (Brown)		51523



## HOOK & LOOP STYLE BACK-UP PADS

Diameter	Arbor Hole or Stem Size	Max. RPM	Standard Pack	Item Number
3"	1/4" Stem	18,000	1	51562
4-1/2"	5/8" -11 Arbor	13,000	1	51569
5"	5/8" -11 Arbor	10,000	1	51575
7"	5/8" -11 Arbor	6,000	1	51578



## ACCESSORIES FOR BRUSHES & ABRASIVES



56495



56494

### ADAPTING NUTS & SPANNER WRENCH For 4-1/2" - 9" Angle Grinders.

Description	Adapts To	Min. Wheel Thickness	Standard Pack	Item Number
Adapting Nuts	5/8" to 3/8"-24	1/16"	1	56484
Adapting Nuts	7/8" to 5/8"-11	1/16"	1	56494
Spanner Wrench	—	—	1	56495



07721



07722



07723



07724



07726



07727



07729

### DRIVE ARBORS for mounting small diameter wheels into a collet or chuck.



Arbor Dia.	Stem Dia.	Stem Length	Length of Shaft	For Brushes with a Max. Dia. of	Overall Length	Max. RPM	Standard Pack	Item Number
<b>Unthreaded Shaft</b>								
1/4"	1/4"	1-1/8"	3/16"	2"	2-1/16"	20,000	5	07723
3/8"	1/4"	1-1/8"	3/16"	4"	1-15/16"	20,000	5	07722
<b>Threaded Shaft</b>								
1/4"	1/4"	1-1/16"	1-1/8"	2"	2-9/16"	20,000	5	07725
3/8"	1/4"	3/4"	3/4"	3"	1-9/16"	25,000	5	07727
3/8"	1/4"	1"	1-1/8"	3"	2-9/16"	20,000	5	07726
1/2"	1/4"	3/4"	3/4"	3"	1-3/4"	25,000	5	07724
1/2"	1/4"	7/8"	3/4"	3"	1-11/16"	20,000	5	07721
5/8"	1/4"	3/4"	3/4"	3"	1-13/16"	25,000	5	07729



04402

### PLASTIC ADAPTERS for mounting small diameter wheels onto various arbor sizes.

Fixed Arbor Hole Size	Adapted Arbor Hole Size	Standard Pack	Item Number
3/8"	1/4"	10	04403
1/2"	1/4"	10	04400
1/2"	3/8"	10	04401
5/8"	1/2"	10	04402



03809

### METAL ADAPTERS for Medium & Wide Face Brushes. Used in pairs & priced per pair.

For Brush Arbor Hole Size	Adapted Arbor Hole Size	Item Number
2"	1/2"	03809
	5/8"	03810
	3/4"	03811
	7/8"	03824
	1"	03812
	1-1/4"	03813
	1-1/2"	03814

## 302 & 316 STAINLESS STEEL WIRE

Weiler's stainless steel wire brushes are manufactured using wire drawn from **TYPE 302** stainless steel. Although 302 stainless is typically a non-magnetic material, it is important to remember that the amount of cold-working that it experiences during the wire-drawing process causes it to become magnetic. For this reason, proper storage and handling of stainless steel brushes is critical to prevent cross-contamination and "after rust" issues.

Type 302 is widely used in the manufacturing of power brushes for its relative durability and aggressive action as well as for its austenitic properties that insure the corrosion resistance of the materials on which it is applied. Brushes with **TYPE 316** wire are available for applications requiring extreme corrosion protection.

## DEGREASED BRUSHES

Degreased brushes are used for applications where all residue must be eliminated. During the manufacturing process oil comes in contact with the stainless steel wire. If there is excess oil it can be spun off of the brush and cause oil stains or "splatter" stains on stainless steel or aluminum workpieces. These stains can be undesirable and an extra degreasing process may be needed to eliminate the "splatter" stains.

## ORDERING INFO

Type **316 stainless brushes** and **degreased brushes** are available by special order. Longer lead times and minimum order quantities apply. Contact your Weiler representative for details.

# WELD CLEANING BRUSHES

Weiler's stringer bead wheels are the most effective weld cleaning tools for the most demanding users. Our premium weld cleaning brushes are manufactured to the most stringent quality standards, utilizing the highest quality wire available. The twist puts all the sharp tips at the end of the knots, making them the fastest, most aggressive weld cleaning tools on the market.



UP TO  
**2X**  
THE LIFE



13138

## ROUGHNECK MAX

MADE IN  
**USA**  
WITH GLOBAL  
MATERIALS

Roughneck Max wheels have been re-engineered to MAXimize life, efficiency and consistency. But that is only a small part of what makes this brush better...

- **Smooth & Responsive** — Improved feel and comfort during use makes brush operation effortless
- **No Long Wire Breakage** — Stronger, sharper wire delivers consistency and performance you can count on
- **Cleans 40% Faster** — Unmatched cleaning power compared to competitors
- **Less Force Required** — The operator can apply less pressure to clean, letting the wire do the work

### ROUGHNECK MAX STRINGER BEAD WHEEL / 302 Stainless

Delivers unmatched weld cleaning performance by maximizing life, efficiency and consistency. The 4" brushes are recommended for cleaning root pass welds, surface prep and other cleaning applications.

Dia.	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Thickness at Face Plates	Max. RPM	Std. Pack	Item Number
4"	.020	5/8"-11 UNC	32	3/16"	7/8"	7/16"	20,000	5	13138

**BOLD BLACK ITEM** numbers indicate color-coded brushes for easy identification.

Indicates wire brush items available in **316 STAINLESS STEEL**

## ROUGHNECK

MADE IN  
**USA**  
WITH GLOBAL  
MATERIALS

**ROUGHNECK STRINGER BEAD WHEELS / 302 Stainless** / The standard for high-performance weld cleaning brushes. Narrow face brushes are suitable for cleaning root and hot passes and reaching into corners; wider face wheels can be used for cleaning filler and cap passes as well as for other surface prep and cleaning applications.



09200

08796

Dia.	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Thickness at Face Plates	Max. RPM	Std. Pack	Item Number
Root Pass Brushes									
4"	.020	1/2"-3/8"	32	3/16"	7/8"	7/16"	20,000	10	08954
		M10 x 1.25						5	13132
		M14 x 2.0						5	13134
		3/8"-24 UNF						5	13135
		1/2"-13 UNC						5	13137
4-1/2"	.020	5/8"-11 UNC	38	3/16"	13/16"	3/8"	15,000	5	13238
		7/8"						5	13249
5"	.020	5/8"-11 UNC	38	3/16"	7/8"	3/8"	12,500	5	08806
6"	.020	5/8"-11 UNC	48	3/16"	1-3/8"	3/8"	12,500	5	08786†
			56		1-1/8"	7/16"		10	09500
7"	.020	5/8"-11 UNC	56	3/16"	1-1/8"	7/16"	9,000	10	09200
Filler Pass Brushes									
6"	.023	5/8"-11 UNC	24	1/2"	1-3/8"	9/16"	12,500	5	08796
		5/8"-11 UNC	30	1/2"	1-1/4"	5/8"		5	08926
		5/8"-11 UNC	30	5/16"	1-3/8"	1/2"		5	09396

† Light Duty

Items are also available in **316 STAINLESS STEEL**

Type 316 stainless brushes and degreased brushes are available by special order. Longer lead times and minimum order quantities apply. Contact your Weiler representative for details.

# THE DUALLY®



MADE IN  
USA  
WITH GLOBAL  
MATERIALS

- **Maximum Cleaning Action** — Featuring a knot twist with the most aggressive cutting action, the new dual-hex nut makes it easier for the user to regularly switch mounting position and keep the brush running at peak performance.
- **Long Wheel Life** — Utilizing the highest quality heat-treated Steel wire and construction that virtually eliminates knot movement, the Dually delivers smooth operation and long life for the lowest cleaning costs in demanding multi-pass welding applications such as pipeline construction.
- **Improved User Safety** — The one-piece, dual-hex nut is designed to provide adequate tool clearance so there is no need to remove the guard from the grinder in order to change the position of the wheel.



Removing weld slag before the next weld pass.

**DUALLY STRINGER BEAD WHEELS / 302 Stainless /** Feature a dual-hex nut design that simplifies periodic flipping of the wheel for maximum cleaning action, long life, and safer use.

Dia.	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Thickness at Face Plates	Max. RPM	Standard Pack	Item Number
<b>Root Pass Brushes</b>									
4-1/2"	.020	5/8"-11 UNC	38	3/16"	13/16"	3/8"	15,000	5	79811
5"	.020	5/8"-11 UNC	38	3/16"	7/8"	3/8"	12,500	5	79812
6"	.020	5/8"-11 UNC	56	3/16"	1-1/8"	7/16"	12,500	5	79815
7"	.020	5/8"-11 UNC	56	3/16"	1-1/8"	7/16"	9,000	5	79810
<b>Filler Pass Brushes</b>									
5"	.023	5/8"-11 UNC	24	1/2"	7/8"	3/8"	12,500	5	79813
6"	.023	5/8"-11 UNC	30	1/2"	1-1/4"	5/8"	12,500	5	79814

Items are also available in **316 STAINLESS STEEL**



79812

# WOLVERINE™



Previously known as Vortec Pro®, Wolverine wheels offer professional grade quality and performance at a great value. Re-engineered, these 32 knot wheels deliver 20% MORE life while maintaining aggressive cleaning power for weld cleaning applications.

**WOLVERINE STRINGER BEAD WHEEL / 302 Stainless /** Upgraded to 32 knots to deliver 20% longer life.

These wheels are manufactured using similar product construction and same exacting standards as other Weiler weld cleaning brushes; they have been engineered for cost-effective use in less demanding cleaning applications.

Dia.	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Thickness at Face Plates	Max. RPM	Standard Pack	Item Number
4"	.020	5/8"-11 UNC	32	3/16"	7/8"	7/16"	20,000	5	<b>36219</b>

**BOLD BLACK ITEM** numbers indicate color-coded brushes for easy identification.

**WOLVERINE STRINGER BEAD WHEELS / 302 Stainless /** Manufactured using similar product construction and to the same exacting standards as other Weiler weld cleaning brushes; they have been engineered for cost-effective use in less demanding applications.

Dia.	Wire Size	Wire Type	Arbor Hole	No. of Knots	Face Width	Trim Length	Max. RPM	Item Number
5"	.020	Stainless	5/8"-11 UNC	38	3/16"	7/8"	12,500	36296



36219



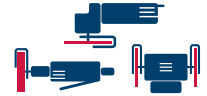
36297

# CLEANING

Weiler's superior construction, highest quality materials, state of the art manufacturing and exacting quality standards deliver the most consistent brush performance. Each brush is designed to provide the best performance at the lowest cost-of-use.



## STANDARD TWIST WHEELS / 302 Stainless / Heavy-duty brushing action with some flexibility; ideal for demanding cleaning applications on somewhat irregular surfaces.



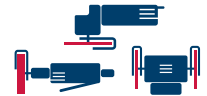
Dia.	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Max. AH Avail.	Thickness at Face Plates	Max. RPM	Std. Pack	Item Number
3"	.0118	1/2"-3/8"	20	3/8"	5/8"	1/2"	7/16"	25,000	10	08254
	.014	1/2"-3/8"				1/2"	7/16"		10	<b>08264</b>
	.014	3/8"-24 UNF				—	—		5	13208
	.020	1/2"-3/8"				1/2"	7/16"		10	08274
4"	.0118	1/2"-3/8"	24	1/2"	7/8"	1/2"	7/16"	20,000	10	08284
	.014	1/2"-3/8"				1/2"	7/16"		10	08294
	.014	M10 x 1.25				—	—		5	13107
	.014	M10 x 1.50				—	—		5	13108
	.014	M14 x 2.0				—	—		5	13109
	.014	3/8"-24 UNF				—	—		5	13110
	.014	5/8"-11 UNC				—	—		5	<b>13113</b>
6"	.0118	5/8"-1/2"	24	1/2"	1-3/8"	1-1/4"	9/16"	9,000	10	08325
	.016	5/8"-1/2"				1-1/4"	9/16"		10	08345
	.016	5/8"-11 UNC				—	—		2	08346
	.016	5/8"				—	—		2	08375
8"	.0118	5/8"	38	5/8"	1-5/8"	2"	1/2"	6,000	2	08395
	.016	5/8"				—	—		2	08395

**BOLD BLACK ITEM** numbers indicate color-coded brushes for easy identification.



## WOLVERINE™ STANDARD TWIST WHEELS / 302 Stainless

Aggressive brushing action for general-purpose surface cleaning applications.



Dia.	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Max. AH Avail.	Thickness at Face Plates	Max. RPM	Std. Pack	Item Number
4"	.014	5/8"-11 UNC	20	1/2"	7/8"	—	—	20,000	5	36213
		1/2"-3/8"	24	5/8"	7/8"	1/2"	9/16"	20,000	10	36293



## STANDARD TWIST BEVEL BRUSHES / 302 Stainless / Saucer-shaped radial wheels that provide a heavy-duty brushing action with some flexibility; ideal for cleaning fillet welds and into corners.



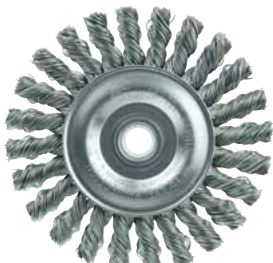
Diameter	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Max. RPM	Std. Pack	Item Number
4"	.014	5/8"-11 UNC	20	3/8"	3/4"	12,500	1	13416
4"	.020	5/8"-11 UNC	20	3/8"	3/4"	12,500	1	13436
4-1/2"	.014	5/8"-11 UNC	20	3/8"	1"	12,500	1	13466
4-1/2"	.020	5/8"-11 UNC	20	3/8"	1"	12,500	1	13486



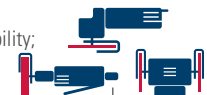
## STANDARD TWIST WHEELS / 302 Stainless / 1/4" Stem / Heavy-duty brushing action with some flexibility; ideal for deburring and demanding cleaning applications on somewhat irregular surfaces.



Diameter	Wire Size	No. of Knots	Face Width	Trim Length	Max. RPM	Standard Pack	Item Number
3-1/4"	.014	20	3/8"	5/8"	25,000	5	17684
4"	.014	24	1/2"	7/8"	20,000	5	17691



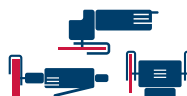
## CABLE TWIST WHEELS / 302 Stainless / Maximum brushing action with minimal flexibility; ideal for demanding cleaning and coating removal applications on relatively smooth surfaces.



Dia.	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Max. AH Avail.	Thickness at Face Plates	Max. RPM	Std. Pack	Item Number
4"	.020	M10 x 1.50	24	1/4"	7/8"	—	—	20,000	5	13272
		5/8"-11 UNC				—	—			13276
6"	.023	5/8"-1/2"	24	3/8"	1-3/8"	1-1/4"	9/16"	9,000	2	08695

Items are also available in **316 STAINLESS STEEL**

**CRIMPED WIRE WHEELS** / 302 Stainless / Narrow Face / Provide a flexible brushing action and consistent performance for demanding light-duty cleaning and deburring applications.



Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	Max. AH Avail.	Thickness at Face Plates	Max. RPM	Std. Pack	Item Number
3"	.006 .0118	1/2"-3/8"	7/16"	1/2"	3/4"	7/16"	12,500	2	00244 00264
4"	.006 .006 .0118 .014	1/2"-3/8" 5/8"-11 UNC 1/2"-3/8" 5/8"-11 UNC	1/2"	7/8"	3/4" — 3/4" —	7/16" — 7/16" —	12,500 14,000 12,500 14,000	2 5 2 5	00154 00156 00184 13085
6"	.006 .0104 .0118	5/8"-1/2"	3/4"	1-7/16"	1-1/4"	7/16"	6,000	2	01675 01695 01705
8"	.006 .0104 .0118	5/8"	3/4"	2-1/16"	1-1/4"	1/2"	6,000	2	01775 01795 01805
8"	.0118	1-1/4"★	3/4"	2-1/16"	1-1/4"	1/2"	6,000	2	01809
10"	.014	3/4"	3/4"	2-1/2"	2"	5/8"	4,000	2	01898
12"	.006 .0104	1-1/4"★	3/4"	2-15/16"	2-1/2"	1/2"	3,000	2	01939 01949

★ 5/16" x 5/32" Double Keyway



00184



36201

**WOLVERINE™ CRIMPED WIRE WHEELS** / 302 Stainless / Narrow Face / Provide flexible brushing action and cost-effective performance in general purpose cleaning and deburring applications.



Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	Max. AH Avail.	Max. RPM	Std. Pack	Item Number
6"	.014	5/8"-1/2"	3/4"	1-1/4"	5/8"	6,000	2	36201

**CRIMPED WIRE WHEELS** / 302 Stainless / Medium Face / Flexible brushing action and consistent performance for demanding light-duty cleaning and deburring applications; feature a wider face width to cover more area.



Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	Thickness at Face Plates	Max. RPM	Standard Pack	Item Number
6"	.0104 .0118	2"	1"	1-1/8"	15/16"	6,000	1	06440 06450
8"	.0118	2"	1"	1-3/8"	1"	4,500	1	06490
10"	.0118	2"◆	1-1/8"	2"	1"	3,600	1	06530

◆ 1/2" x 1/4" Double Keyway

For arbor hole reducing adapters, see Metal Adapter Table below.



06440

**CRIMPED WIRE WHEELS** / 302 Stainless / Wide Face / Flexible brushing action and consistent performance for demanding light-duty cleaning and deburring applications; feature a wider face width to cover more area.



Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	Thickness at Face Plates	Max. RPM	Standard Pack	Item Number
6"	.006 .0118 .014	2"	1-1/4"	1-1/8"	1"	6,000	1	03480 03510 03520
8"	.0118	2"	1-1/2"	1-3/8"	1-3/8"	4,500	1	03590
12"	.014	2"	2"	2-7/8"	1-9/16"	3,000	1	03680

For arbor hole reducing adapters, see Metal Adapter Table below.



03480

## PRODUCT SELECTION TIP

Wire brushes are often the best choice for cleaning welds and surfaces – wire brushes don't remove base material. Choose stainless wire brushes with a twisted knot design for more aggression or a crimped design for more surface area coverage.

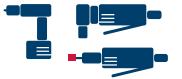
## SMALL DIAMETER WHEELS / 302 Stainless / Flexible brushing action and consistent performance for light-duty cleaning and deburring applications requiring a small wheel.



Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	Max. RPM	Standard Pack	Item Number
1"	.003 .005	1/4"	3/16"	1/4"	20,000	10	16461 16471
1-1/4"	.006 .008	1/4"	1/4"	3/8"	20,000	10	16511 16521
1-1/2"	.006 .008	3/8"	1/4"	7/16" 7/16"	20,000	10	16702 16712
2"	.005 .008 .0104 .014	1/2"	3/8"	3/4"	20,000	10	16833 16843 16853 16873
3"	.006 .008 .0118 .014	1/2"-3/8"	5/8"	1"	20,000	10	16933 16943 16963 16973

## CONFLEX BRUSHES / 302 Stainless / 1/4" Stem

Flexible brushing action and consistent performance for demanding light-duty cleaning & deburring.



Diameter	Wire Size	Face Width	Trim Length	Max. RPM	Standard Pack	Item Number
2"	.0118	3/8"	1/2"	20,000	10	17611
3"	.014	1/2"	1"	20,000	10	17618

## CONFLEX BRUSHES / 302 Stainless / Wide Face / 1/4" Stem

Flexible brushing action and consistent performance for demanding light-duty cleaning & deburring; feature a wider face width to cover more area.



Diameter	Wire Size	Face Width	Trim Length	Max. RPM	Standard Pack	Item Number
1-3/4"	.008	1/2"	5/8"	20,000	10	17608
3"	.008	1"	15/16"	20,000	10	17637

## CRIMPED WIRE RADIAL WHEELS / 302 Stainless / 1/4" Stem / Feature side plates for a shorter trim length and more controlled brushing action in a stem-mounted crimped wire wheel.



Diameter	Wire Size	Face Width	Trim Length	Max. RPM	Standard Pack	Item Number
1-1/2"	.006 .008 .0118	1/4"	3/8"	20,000	10	17971 17972 17973
2"	.008 .014	3/8"	7/16"	20,000	10	17974 17975
2-1/2"	.008 .014	7/16"	9/16"	20,000	10	17976 17977
3"	.008 .014	1/2"	13/16"	20,000	10	17978 17979
4"	.008 .014	9/16"	1-5/16"	15,000	10	17981 17982

## CONCAVE BRUSHES / 302 Stainless / 1/4" Stem / Saucer-shaped radial wheels provide flexible brushing action for addressing corners and hard-to-reach areas.



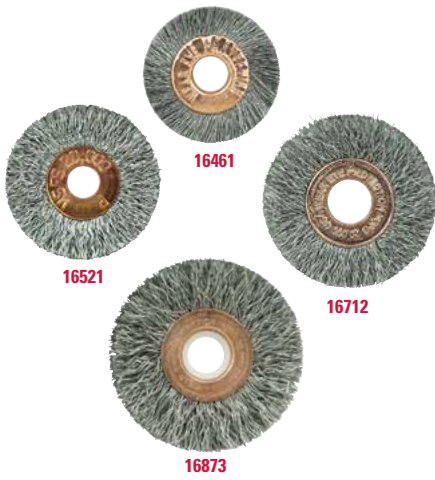
Diameter	Wire Size	Face Width	Trim Length	Max. RPM	Standard Pack	Item Number
1-1/2"	.006 .0118	1/4"	3/8"	20,000	10	17930 17931
2"	.014	3/8"	1/2"	20,000	10	17933
2-1/2"	.014	7/16"	5/8"	20,000	10	17935
3"	.006 .014	1/2"	15/16"	20,000	10	17936 17937

## MINIATURE WIRE WHEEL BRUSHES / 302 Stainless

Fine crimped wire fill for light-duty cleaning and deburring.



Diameter	Wire Size	Trim Length	Stem Size	Stem Length	Max. RPM	Standard Pack	Item Number
5/8"	.005	1/8"	1/8"	1-1/2"	37,000	144	99554
3/4"	.005	3/16"	1/8"	1-1/2"	37,000	144	26005
1"	.003 .005	5/16"	1/8"	1-1/2"	37,000	144	26014 26017
1-1/2"	.005	1/2"	1/8"	1-1/2"	25,000	144	26294



**KNOT WIRE CUP BRUSHES / 302 Stainless / Single Row / Heavy-duty brushing action with some flexibility; ideal for demanding cleaning applications on relatively flat surfaces.**

Diameter	Wire Size	Arbor Hole	Trim Length	Max. RPM	Standard Pack	Item Number
2-3/4"	.014	5/8"-11 UNC	1"	14,000	1	13009
2-3/4"	.020	M10 x 1.25 M10 x 1.50 M14 x 2.0 3/8"-24 UNF 1/2"-13 UNC 5/8"-11 UNC	1"	14,000	1	13253 13254 13255 13256 13257 <b>13258</b>
3-1/2"	.023	M14 x 2.0 3/8"-24 UNF 5/8"-11 UNC	7/8"	13,300	1	13159 13160 13163
4"	.014 .023	5/8"-11 UNC	1-1/4"	10,200	1	12406 12416
6"	.014 .023	5/8"-11 UNC	1-3/8"	6,600	1	12456 12476
6"	.023	5/8"-11 UNC	1-5/8"	6,000	1	12886

**BOLD BLACK ITEM** numbers indicate color-coded brushes for easy identification.

Items are also available in **316 STAINLESS STEEL**

Items are also available in **316 STAINLESS STEEL**: .020 wire only.



## WOLVERINE™ KNOT WIRE CUP BRUSH / 302 Stainless / Single Row

Provide an aggressive brushing action for general-purpose surface cleaning applications.

Diameter	Wire Size	Arbor Hole	Trim Length	Max. RPM	Standard Pack	Item Number
3"	.020	5/8"-11 UNC	1"	14,000	1	36239

## KNOT WIRE CUP BRUSHES / 302 Stainless / Double Row / Very aggressive brushing while still maintaining some flexibility; ideal for severe cleaning applications.

Diameter	Wire Size	Arbor Hole	Trim Length	Max. RPM	Standard Pack	Item Number
4"	.020	5/8"-11 UNC	1-1/4"	9,000	1	12726
6"	.023	5/8"-11 UNC	1-3/8"	6,600	1	12636

## CRIMPED WIRE CUP BRUSHES / 302 Stainless / Very flexible brushing action and consistent performance for demanding light-duty cleaning applications; feature a threaded nut for use on angle grinders.

Diameter	Wire Size	Arbor Hole	Trim Length	Max. RPM	Standard Pack	Item Number
3-1/2"	.014	M10 x 1.25 M14 x 2.0 3/8"-24 UNF 1/2"-13 UNC 5/8"-11 UNC	7/8"	13,300	1	13182 13184 13185 13187 13188
4"	.020	5/8"-11 UNC	1-3/8"	10,200	1	14126
5"	.020	5/8"-11 UNC	1-1/4"	9,000	1	14256
6"	.020	5/8"-11 UNC	1-1/4"	6,600	1	14166*

\*With internal nut

## UTILITY CRIMPED WIRE CUP BRUSHES / 302 Stainless / Provide flexible brushing action and consistent performance for light-duty cleaning applications; featuring a 1/4" stem for use on air tools.

Diameter	Wire Size	Trim Length	Overall Length	Max. RPM	Standard Pack	Item Number
1-3/4"	.006 .0118	3/4"	2-5/16"	13,000	10	14303 14304
2"	.008 .0118	5/8"	2-7/8"	13,000	10	14318 14319
2-1/2"	.008 .014	7/8"	3-1/8"	13,000	10	14320 14321

## MINIATURE WIRE CUP BRUSH / 302 Stainless

Fine crimped wire fill for light-duty cleaning or deburring in confined areas.

Diameter	Wire Size	Trim Length	Stem Size	Stem Length	Overall Length	Max. RPM	Standard Pack	Item Number
5/8"	.005	1/4"	1/8"	1-1/2"	2"	37,000	144	26076





Cleaning a weld joint with a controlled flare end brush.

## KNOT WIRE END BRUSHES / 302 Stainless / Hollow End / Heavy-duty brushing action with some flexibility; ideal for more demanding cleaning applications in recessed areas.



Diameter	Wire Size	Trim Length	Overall Length	Max. RPM	Standard Pack	Item Number
1/2"	.006	1-1/8"	2-7/8"	20,000	10	10215
	.0104					10216
	.014					10218
3/4"	.006	1-1/8"	2-7/8"	20,000	10	10220
	.0104	7/8"	2-5/8"	22,000		10211
	.014					<b>10029</b>
1-1/8"	.020	1-1/8"	2-9/16"	20,000	10	10030
	.006					10142 •
	.0104					10213
	.014					<b>10031</b>
	.020	7/8"	2-5/8"	22,000		10032

**BOLD BLACK ITEM** numbers indicate color-coded brushes for easy identification.

• Coated cup



10031



10392

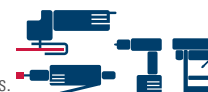
## KNOT WIRE END BRUSHES / 302 Stainless / Hollow End / Nickel-plated Cup Compliant With DOD MIL STD 2041D(SH) / Heavy-duty brushing action with some flexibility; ideal for more demanding cleaning applications in recessed areas.



Diameter	Wire Size	Trim Length	Overall Length	Max. RPM	Standard Pack	Item Number
3/4"	.014	7/8"	2-5/8"	22,000	10	10387
	.020					10388
1-1/8"	.014	7/8"	2-5/8"	22,000	10	10392
	.020					10393

## WOLVERINE™ KNOT WIRE END BRUSHES / 302 Stainless / Hollow End

Heavy-duty brushing action; Engineered to provide cost-effective use for less demanding applications.



Diameter	Wire Size	Trim Length	Overall Length	Max. RPM	Standard Pack	Item Number
3/4"	.014	7/8"	2-5/8"	22,000	10	36287
1"	.014	7/8"	2-5/8"	22,000	10	36289



36289



10021

## CRIMPED WIRE END BRUSHES / 302 Stainless / Solid End / Very flexible brushing action ideal for more demanding light-duty cleaning applications in corners and hard-to-reach areas.



Diameter	Wire Size	Trim Length	Overall Length	Max. RPM	Standard Pack	Item Number	
1/2"	.006	7/8"	2-9/16"	25,000	10	<b>10013</b>	
	.0104					<b>10014</b>	
	.014					<b>10015</b>	
	.020					<b>10016</b>	
3/4"	.006	7/8"	2-9/16"	22,000	10	<b>10017</b>	
	.0104					10018	
	.014					10019	
	.020					10020	
1"	.006	1"	2-3/16"	22,000	10	<b>10021</b>	
	.0104					<b>10022</b>	
	.014	2-15/16"				10023	
	.020					10024	

**BOLD BLACK ITEM** numbers indicate color-coded brushes for easy identification.

## CRIMPED WIRE END BRUSHES / 302 Stainless / Coated Cup / Very flexible brushing action ideal for more demanding light-duty cleaning applications in corners and hard-to-reach areas. The plastic sleeve covering the cup protects the work surface from being scratched or marked.



Diameter	Wire Size	Trim Length	Overall Length	Max. RPM	Standard Pack	Item Number
1/2"	.006	7/8"	2-9/16"	25,000	10	11010
	.0104					11011
3/4"	.006	7/8"	2-9/16"	22,000	10	11013
	.0104					11014
1"	.006	7/8"	2-3/4"	22,000	10	11016
	.0104	1"				11017



11013



36283

## WOLVERINE CRIMPED WIRE END BRUSHES / 302 Stainless / Solid End

Flexible brushing action and engineered to provide cost-effective use for less demanding applications.



Diameter	Wire Size	Trim Length	Overall Length	Max. RPM	Standard Pack	Item Number
3/4"	.006	7/8"	2-9/16"	22,000	10	36283
1"	.006	7/8"	2-3/4"	22,000	10	36285

## CRIMPED WIRE END BRUSHES / 302 Stainless / Solid End / Nickel-plated Cup

Very flexible brushing action ideal for more demanding light-duty cleaning applications in corners and hard-to-reach areas. **The nickel-plated cup is compliant with DOD MIL STD 2041D(SH).**



Cleaning around rivet holes with a pilot bonding brush.

Diameter	Wire Size	Trim Length	Overall Length	Max. RPM	Standard Pack	Item Number
1/2"	.006	7/8"	2-9/16"	25,000	10	10370
	.0104					10371
	.014					10372
	.020					10373
3/4"	.006	7/8"	2-9/16"	22,000	10	10374
	.0104					10375
	.014					10376
	.020					10377
1"	.006	1"	2-7/8"	22,000	10	10378
	.0104					10379
	.014					10380
	.020	1-1/8"	2-15/16"			10381

## CRIMPED WIRE END BRUSHES / 302 Stainless / Banded / Bands around the fill reduce the exposed trim length and limit brush flaring at operating speed to provide an aggressive, controlled brushing action.



Diameter	Wire Size	Trim Length*	Overall Length	Max. RPM	Standard Pack	Item Number
1/2"	.006	9/16"	2-9/16"	20,000	10	11110
3/4"	.006	7/16"	2-11/16"	20,000	10	11112
	.0104	3/8"				11113
	.020	3/8"				11114
1"	.0104	3/8"	2-5/8"	13,000	10	11115

\*Trim length from bands

## \*CONTROLLED FLARE END BRUSHES / 302 Stainless / Feature uniquely trimmed crimped wire fill for more effective brushing action and greatly enhanced durability when cleaning corners and fillet welds.

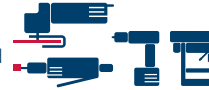


Diameter	Wire Size	Trim Length	Overall Length	Max. RPM	Standard Pack	Item Number
1/2"	.0104	7/8"	2-9/16"	25,000	10	10313
	.014					10314
	.020					10315
3/4"	.0104	7/8"	2-9/16"	22,000	10	10317
	.020					10319
1"	.0104	1"	2-7/8"	22,000	10	10321
	.014					10322
1"	.020	1-1/8"	2-15/16"	22,000	10	10323

\*Patent #8,186,000 B2

## CRIMPED WIRE PILOT BONDING BRUSHES / 302 Stainless / Solid End / Banded

Designed to clean around rivet holes in aluminum aircraft panels but may be used in similar applications.

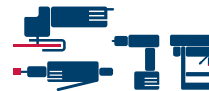


Diameter	Wire Size	Trim Length	Overall Length	Pilot Diameter	Max. RPM	Standard Pack	Item Number
1/2"	.005	3/8"	2-1/4"	3/32"	20,000	10	10056
				1/8"			10057
				5/32"			10058
				3/16"			10059



## POLYFLEX® ENCAPSULATED CRIMPED WIRE END BRUSHES

**302 Stainless / Standard Duty** / Feature fill material that has been encapsulated in an elastomer that gradually wears away to keep only the wire tips exposed; ideal for applications that require maximum aggression and no flaring.



Diameter	Wire Size	Trim Length	Overall Length	Max. RPM	Standard Pack	Item Number
1/2"	.0104	7/8"	2-9/16"	18,000	10	35500
3/4"	.0104	7/8"	2-9/16"	16,000	10	35505



## CIRCULAR FLARED END BRUSHES / 302 Stainless / Crimped wire has been "pre-flared" to match the working angle of the brush at operating speed; for broad and slightly contoured surfaces.



Diameter	Wire Size	Max. RPM	Standard Pack	Item Number
1"	.006	25,000	1	10042
	.008			10043
1-1/2"	.006	20,000	1	10045
	.008			10046
	.020			10047
2-3/4"	.008	16,000	2	10048
	.0104			10049
3"	.006	16,000	2	10151
	.008			10050
	.020			10074
4"	.008	15,000	1	96705





## MINIATURE WIRE END BRUSHES / 302 Stainless

Fine crimped wire fill for light-duty cleaning or deburring in very small recessed areas or IDs.



26114

Dia.	Wire Size	Trim Length	Stem Size	Stem Length	Overall Length	Max. RPM	Standard Pack	Item Number
3/16"	.003	1/4"	1/8"	1-1/4"	1-7/8"	37,000	144	26099
1/4"	.005	7/16"	1/8"	1-1/4"	2-1/8"	37,000	144	26108
5/16"	.005	9/16"	1/8"	1-1/4"	2-3/8"	25,000	144	26114

## DOUBLE STEM, DOUBLE SPIRAL / 302 Stainless / Feature four stem wires and a double spiral of straight wire fill material to provide aggressive cleaning and deburring action.



21120

Diameter	Wire Size	Brush Part	Stem Diameter	Overall Length	Max. RPM	Standard Pack	Item Number
1/2"	.004	2"	5/32"	5"	2,000	10	21116
	.006						21117
5/8"	.005	2"	7/32"	5"	2,000	10	21118
	.008						21119
3/4"	.006	2-1/2"	1/4"	5-1/2"	2,000	10	21120
	.0104						21121
7/8"	.006	2-1/2"	1/4"	5-1/2"	2,000	10	21122
	.0104						21123
1"	.006	2-1/2"	1/4"	5-1/2"	2,000	10	21124
	.0104						21125
1-1/4"	.006	2-1/2"	1/4"	5-1/2"	2,000	10	21245
	.0104						21236
1-1/2"	.014	2-1/2"	1/4"	5-1/2"	2,000	10	21413

## ROUND / 302 Stainless / Feature a single continuous length of stainless stem wire and a single spiral of crimped wire for flexible brushing action; for use on smooth or threaded blind holes.



21083

Diameter	Wire Size	Brush Part	Stem Diameter	Overall Length	Max. RPM	Standard Pack	Item Number
1/4"	.004	1"	1/8"	3-1/2"	2,000	10	21081
3/8"	.004	1"	1/8"	3-1/2"	2,000	10	21082
	.008						21240
7/16"	.005	1"	1/8"	3-1/2"	2,000	10	21181
1/2"	.005	1"	3/16"	3-1/2"	2,000	10	21083
9/16"	.0104	1"	3/16"	3-1/2"	2,000	10	21404
5/8"	.005	1"	3/16"	3-1/2"	2,000	10	21084
3/4"	.006	1"	7/32"	3-1/2"	2,000	10	21085
7/8"	.006	1"	7/32"	3-1/2"	2,000	10	21086
1"	.005	1"	1/4"	3-1/2"	2,000	10	21340
	.008						21087
1-1/8"	.008	1"	1/4"	3-1/2"	2,000	10	21088
1-1/4"	.008	1"	1/4"	3-1/2"	2,000	10	21089

## BURRITE / 302 Stainless / Feature a single continuous length of stainless stem wire filled with a tuft of crimped wire to provide an aggressive flat side action; ideal for cleaning and deburring internal threads.



21058

Diameter	Wire Size	Brush Part	Stem Diameter	Overall Length	Max. RPM	Standard Pack	Item Number
1/4"	.005	9/16"	3/32"	2-1/8"	2,000	10	21050
3/8"	.005	9/16"	3/32"	2-1/8"	2,000	10	21051
1/2"	.005	9/16"	3/32"	2-1/8"	2,000	10	21053
5/8"	.005	5/8"	1/8"	2-1/4"	2,000	10	21055
3/4"	.005	5/8"	1/8"	2-1/4"	2,000	10	21056
7/8"	.005	5/8"	1/8"	2-1/4"	2,000	10	21057
1"	.005	5/8"	1/8"	2-1/4"	2,000	10	21058

## SINGLE STEM, SINGLE SPIRAL / 302 Stainless / A single continuous length of galvanized steel stem wire with a formed eye loop for convenient hand use. The single spiral of straight wire fill allows for easy manual insertion into the ID.



21095

Diameter	Wire Size	Brush Part	Stem Diameter	Overall Length	Standard Pack	Item Number
1/8"	.003	1"	3/32"	6"	10	21249
3/16"	.003	1-1/2"	3/32"	7"	10	21098
	.005					21099
1/4"	.003	1-1/2"	3/32"	7"	10	21100
	.005					21101
3/8"	.004	2"	1/8"	8"	10	21414
	.006					21103
1/2"	.004	2"	1/8"	8"	10	21104
	.006					21105

## CURVED HANDLE SCRATCH BRUSHES / 302 Stainless / .012 Wire Size / Hardwood Block

Ideal for cleaning and prepping surfaces.

Block Size	Brush Length	Number of Rows	Trim Length	Standard Pack	Item Number
13-3/4" x 1-1/8"	5-1/4"	3 x 14	1-1/4"	12	44432*
14" x 7/8"	5-1/2"	3 x 19	1-3/16"	12	44054
14" x 1-1/8"	6"	4 x 18	1-3/16"	12	44057

\* V-Groove

Items are also available in **316 STAINLESS STEEL**



Cleaning a weld with a small scratch brush.

## VORTEC PRO® CURVED HANDLE SCRATCH BRUSHES / 302 Stainless / .012 Wire Size / Hardwood block

Reliable and efficient brushes at a value price.

Block Size	Brush Length	Number of Rows	Trim Length	Standard Pack	Item Number
13-1/2" x 1"	6"	3 x 19	1"	12	25154
14" x 1-1/8"	6"	4 x 18	1"	12	25202

## SHOE HANDLE SCRATCH BRUSHES / 302 Stainless / .012 Wire Size / Hardwood Block

Ideal for cleaning and prepping surfaces.

Block Size	Brush Length	Number of Rows	Trim Length	Standard Pack	Item Number
10" x 3/8"	5"	1 x 17	1-1/16"	12	44101
10" x 3/8"	5"	1 x 17	3/4"	12	44235
10" x 5/8"	5"	2 x 17	1-3/16"	12	44062
10" x 1-1/8"	5"	4 x 16	1-3/16"	12	44064
11"	5"	4 x 16	1-3/16"	12	44299 •

• Plastic block



## VORTEC PRO SHOE HANDLE SCRATCH BRUSH / 302 Stainless / .012 Wire Size / Hardwood Block

Reliable and efficient brushes at a value price.

Block Size	Brush Length	Number of Rows	Trim Length	Standard Pack	Item Number
10" x 1"	5"	4 x 16	1"	12	25104

## SMALL HAND SCRATCH BRUSHES / 302 Stainless

Ideal for cleaning and prepping surfaces.

Block Size	Block	Number of Rows	Wire Size	Trim Length	Standard Pack	Item Number
Stainless Steel Wire						
7-1/2" x 1/2"	Plastic	3 x 7	.006	1/2"	36	44075
7-1/2" x 1/2"	Wood	3 x 7	.006	1/2"	36	44167
7-3/4" x 3/8"	Wood	3 x 7	.006	1/2"	36	44551 *
8-3/4" x 1/2"	Wood	2 x 9	.006	5/8"	36	95013

\*Wire drawn

Items are also available in **316 STAINLESS STEEL**



## VORTEC PRO SMALL HAND SCRATCH BRUSHES / 302 Stainless

Reliable and efficient brushes at a value price.

Block Size	Handle	Number of Rows	Trim Length	Standard Pack	Item Number
7-1/2" x 1/2"	Wood	3 x 7	1/2"	36	44805
7-1/2" x 1/2"	Plastic	3 x 7	1/2"	36	44806



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At Weiler, we passionately embrace change to improve our products and our processes to move the company and our customers forward. By bringing new ideas and creative problem solving together in an open, collaborative environment, we will improve our customers' productivity and create profitable growth.



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