









If you think Weiler is an old fashioned wire brush manufacturing company, you'd be dead wrong. In fact, today Weiler Abrasives is a global manufacturer of surface conditioning solutions with customers in over 80 countries and nearly 1,500 employees around the world.

Headquartered in the beautiful Pocono Mountains of Pennsylvania, we are proud of the fact that we have built a **progressive**, **innovative**, and **high growth company** headquartered right here in the USA. Our world class products are designed and built by Weiler co-workers who embrace our commitment to customers, the community, and to one another.

In 2019 we celebrate our **75th anniversary**. The celebration is focused on our customers, co-workers and community to thank them for contributing to the growth and longevity of the company — once a small jewelry polishing brush business and today a **global abrasives leader**.

At Weiler Abrasives, we want a culture where people have fun, are valued for their contributions and are encouraged to grow and try new ways of doing things. **Leading the Weiler Way** is our guide to making Weiler Abrasives both a great place to work and a great partner to our customers.

For those who want a competitive edge and productivity-enhancing solutions for cleaning, grinding, cutting, deburring and finishing, Weiler Abrasives is a premier manufacturer who forges collaborative, problem-solving relationships with our customers.

SOLUTIONS FOR...

METAL FABRICATION



Time is money. The more time spent building a product, the more it costs. And every step adds time. Grinding. Cutting. Cleaning. Finishing.

You want solutions to get the job done. Done right — but done fast.

We hear you.

Before, during and after the weld, we have you covered. Superior performance means maximum aggression and long life. Saving more time. For more productivity.

And more profit.

That's the Weiler Abrasives difference.

INDUSTRIAL PRODUCTION



There may be hundreds of differences between your industrial production operation and a competitor's. The ones that matter to you are far fewer.

Cost. Quality. Productivity.

Weiler helps sharpen your competitive edge. Like every production operation is different, so is every production challenge. One solution does not fit all. Weiler experts can examine your specific deburring, cleaning and grinding challenges and recommend customized solutions—solutions designed to optimize your operation.

Those solutions can reduce costs. Improve quality. Maximize productivity. And make your competition ... less competitive.

Don't compromise. Optimize.

MAINTENANCE, REPAIR & OPERATIONS



The facility doesn't run itself. In fact, keeping things going is more than a full-time job. So you depend on MRO supplies to be ready at a moment's notice — if not before.

Weiler has you covered. We know that when certain products are out of stock, certain activities come to a stop. You aren't going to let that happen on your watch — and neither are we.

No matter where you need them. No matter what they are. If they're Weiler products, they're only a click or a phone call away.

You keep the shop running – Weiler Abrasives stands ready.



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LEARN MORE: WEILERABRASIVES.COM

See Page 7 for Updated Capabilities!

HOW CAN WE HELP YOU?

CONTACT US TODAY!

To place an order or locate a distributor in your area, contact our Customer Experience Team at 800-835-9999 or orders@weilerabrasives.com.

For more information and to schedule a consultation with a Weiler Process Solutions expert visit: weilerabrasives.com/wps. To discuss specific requirements with a specialist call: 800-835.9999.



WHAT'S NEW?

BONDED ABRASIVES

SMALL DIAMETER WHEELS

We have expanded our line of small diameter cutting and snagging wheels for high-speed die grinders to include Tiger AO, Tiger Zirc and Tiger Ceramic. These wheels are designed for long life and fast cutting and provide end-



Page 16-17

users in the metal fabrication and shipbuilding industries with increasing levels of cutting performance to meet their needs.

TIGER PIPELINER WHEELS

Designed to work right out of the box, aggressively digging in when grinding beads, facing the land or prepping transitions – throughout the life of the wheel. This eliminates operators' inclination to chip the wheels to gain a bite, reducing downtime and increasing safety. A unique design, along with a special mix of top-quality abrasive



Page 21

grains, delivers a fast cut rate and easily removes wagon tracks from the weld bead, while a strong bond delivers long wheel life without glazing on fresh welds. The bond has been formulated for reduced chatter and vibration, which provides more comfortable operator use and keeps the wheel from jumping out of the bevel.

TIGER MECH WHEELS

These wheels are the first of their kind in the industry – manufactured slightly thinner than a 1/8-inch wheel to fit the thinner bevel. These high-performance wheels are capable of grinding the starts and stops of the weld bead without widening or scarring the narrower channel created by the mechanical pipe welding process. These ceramic-infused wheels for notching applications include a special blend of high-performance grains. They are designed to work on J and K bevels, while offering superior cut and product life.



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COATED ABRASIVES



RESIN FIBER DISCS

Our expanded line is designed to help our users optimize grinding time on a wide variety of applications. Weiler Tiger and Wolverine RFDs deliver serious grinding solutions.

POWER BRUSHES

ROUGHNECK® MAX WHEELS

Our re-engineered Roughneck Max brushes deliver MAXimum impact and up to twice the life. Combine that with the hardest, strongest wire and an improved knot design to MAXimize cleaning power and you have a brush that you can trust when your name is on the line.



Page 62

CROSSFLEX HONING BRUSHES

Our new brush line is designed to provide machinists with performance and value for their professional honing applications. Available in a large variety of diameters and with heavy-duty options, they provide a surface finish free of metal burrs



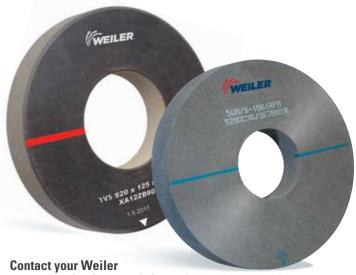
and are ideal for manual or automated use in automotive; marine, oil and gas production; aerospace; and tube, pump and valve production applications.

INDUSTRIAL GRINDING SOLUTIONS

High performance industrial grinding products and engineered solutions that deliver a competitive edge through increased productivity and profitability.

World-class capabilities that deliver an impact on your business...

- Best in class performance
- Global R & D capabilities
- New platform technologies
- Advanced manufacturing capabilities
- Environmentally conscientious with a green footprint
- On-site engineering and technical support







YOU ASKED. WE LISTENED.

The new website is built on a modern ecommerce platform that will significantly improve the user experience and provide a full path to purchase through select Weiler Abrasives distribution partners. Several of the most notable enhancements include:

- **Dynamic Search** Quickly find products, solutions and resources for all your surface conditioning needs
- **Enhanced Content** Improved product content, solution guides, and additional resources help users select the right product for their job and get the most out of their products
- Mobile Friendly Mobile friendly technology ensures an exceptional user experience on any device
- **Where to Buy** Improved "Where to buy" functionality allows visitors to quickly find a local branch or online seller of Weiler Abrasives products
- **Easy Access to Resources -** Find literature, Safety Data Sheets, videos, and articles directly on the product page with no more confusion

SAFETY INFORMATION

All of Weiler's products are made to the strictest quality standards and specifications and are designed to provide superior work performance and safe operation when used properly.

WARNING: Failure to observe safety precautions may result in injury.

Many manufacturers mark some safety warnings, recommendations and usage restrictions directly on the product. However, it is not always practical to include even the most limited safety information on the product itself. Therefore, the operator MUST READ and FOLLOW all instructions supplied in or on the product container as well as those marked on the product.

SAFETY STANDARDS - ESTABLISHED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE

Weiler power brushes and abrasives conform to the ANSI standards listed below. All operators of power brushes and abrasives must comply with these safety standards.

- ANSI B165.1 "Power Tools Power Driven Brushing Tools - Safety Requirements for Design, Care and Use"
- ANSI B7.1 "Safety Requirements For the Use, Care and Protection of Abrasive Wheels"

AVAILABILITY OF ANSI STANDARDS

Based on the collective experience of the American Brush Manufacturers Association Industrial Division members (ANSI B165.1) and the United Abrasives Manufacturers Association's Bonded Division (ANSI B7.1), both ANSI Standards are referenced and provided solely as a public service for the guidance of the users of the members' products. All Brush and Abrasive recommendations are not necessarily complete with respect to any particular application and common sense safety considerations should generally be followed. Any applicable federal, state, local law or regulation must be strictly adhered to and is controlling over any recommendation contained herein.

TOOL/WORK REST

On bench grinders, tool/work rests should be used to support the work-piece during use. It should have a maximum opening of 1/8" to the product face. Only adjust the rest when the product is not in motion.

N.S.

Read Instructions



Safety Goggles



Face Shield



Protective Clothing



Hearing Protection



Gloves



Respiratory Protection

SAFETY TRAINING

Weiler products are designed and manufactured to the strictest standards to ensure the highest level of quality and safety. But safety doesn't stop there; raising awareness of basic safety practices and thinking about safety before the job starts — and after the job is complete — can help curb accidents and injuries in the shop. That's why Weiler offers customers a Safety Training Program based on the SPOT (Speed & Size, Pressure, Orientation, Time) methodology to help promote safe and proper product usage.

Deploying our **SPOT SAFETY TRAINING PROGRAM** in your facility helps improve safety, regardless of your application or work environment.

See page 54 for more information or contact your Weiler representative to request S.P.O.T. Training at your facility.







Weiler Process Solutions (WPS) is a structured application engineering program designed to provide Weiler customers with engineering support to identify value added cost savings opportunities in their respective processes.

WPS is a comprehensive process where our expert application engineers accesses a specific process in order to identify improvement opportunities resulting in quantifiable cost savings.

WPS Benefits Include:

- · Reduced cycle times
- Reduced consumable and tooling cost
- Reduced energy consumption
- Documented cost saving
- Elimination of process variability
- Elimination of bottlenecks
- Elimination of rejections and rework
- Reduced work in process
- Documented best practices

For more information and to schedule a consultation with a WPS expert visit: www.weilerabrasives.com/wps. To discuss specific requirements with a specialist call: 800-835.9999.





REDUCING VIBRATION

Excessive vibration binds the wheel and makes it difficult to control through the cut.

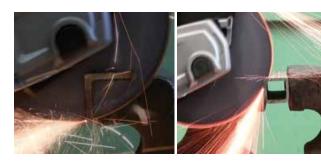
Check the mounting/clamping point. Ensure that the work piece is clamped securely and as close as possible to the mounting point or vice to allow safe and adequate clearance of the tool, guard and hands.



PUSH VERSUS PULL

Weiler's Tiger grinding wheels are instantly aggressive out of the box. When possible, it is most effective to begin grinding on the pull stroke. This will minimize the risk of undercutting or gouging.

It is common to use more pressure through the push stroke and less pressure during the pull stroke. The most efficient grinding technique requires consistent pressure in both directions. Do not use excessive pressure in either direction and allow the grains do the work. Overpowering a grinding disc will NOT increase cut rate and WILL break down at a faster rate, reducing disc life.



CUTTING ANGLE IRON OR SQUARE TUBING

When clamping angle iron on a table or bench, it is important to fix the piece with the corner perpendicular to the table. When clamping in a vise, the preferred approach is from the corner.

When cutting material with larger surface area like square tubing or angle iron, beginning the cut from a corner reduces friction and will minimize kick-back. After allowing the tool to reach full speed, engage the piece from the corner and work the wheel through the material using consistent pressure. Use light to moderate pressure to work through the cut being careful not to plunge the wheel too deeply into the tube. Depth of cut will depend on wall thickness.



PROPER USAGE

ROUND BAR AND ROUND TUBE

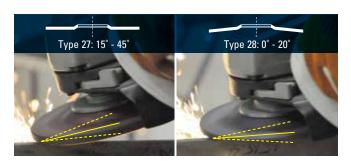
Cutting round bar stock or tubing, is easier since the countered surface provides the same contact surface regardless of angle. Applying light to moderate pressure and consistent movement will provide the most efficient cut and minimize heat build-up.



HEAT DISCOLORATION

Heat is the enemy of any abrasive. To minimize discoloration, use a smooth, consistent rocking motion through the cut.

Approach from the corner and use light pressure and a consistent motion through the cut for the fastest cut-rate and prolonged wheel life. Applying too much pressure through the cut causes increased friction and heat build-up. This can cause increased heat discoloration of the work piece and reduced wheel life.



GRINDING ANGLES

The optimal grinding angle for a 1/4" Type 27 grinding wheel is between 15 and 30 degrees. Generally speaking, the steeper the grinding angle, the more aggressive the cut. Grinding at lower angles can prolong life, but will compromise cut rate. When grinding shallow on harder materials, chatter and vibration can become a factor.

When lower grinding angles are required, consider a Type 28 grinding wheel. Its unique saucer profile provides increased aggression at lower grinding angles while also allowing access in tighter areas, such as corners, fillets, and overhangs.

SELECTING THE RIGHT WHEEL

Weiler's cutting, grinding and combination wheels help Metal Fabrication professionals get the most demanding jobs done right, and done fast. Our high quality line helps you select the best solution for your toughest jobs. Whether you're looking for serious stock removal, beveling, grinding, notching, cutting or edge softening, Weiler will get it done for you.









TIGER® CERAMIC

Self-sharpening and cool – grinds at lower temperatures with less friction and less effort, reducing heat discoloration of the work piece.

GRAIN TYPE

Ceramic alumina

CONTAMINANT FREE

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)





TIGER ZIRC

Self-sharpening grains retain a high cut rate throughout the life of the wheel for exceptional performance.

GRAIN TYPE

Cutting/Combo: Zirconia alumina Grinding/Pipeline: Zirconia alumina + ceramic alumina infusion

BEST ON

STEEL / METAL

(includes structural steel and cast iron)



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)



Weiler's non-loading formula delivers a fast and consistent cut rate on aluminum.

GRAIN TYPE

CONTAMINANT FREE

Silicon carbide / aluminum oxide blend

BEST ON ALUMINUM



CUT BATE:

CONTAIN LESS THAN 0.1% IRON, SULFUR & CHLORINE



TIGER AO

Tiger wheels provide an even, sharp, clean cut and a hard bond extends wheel life.

GRAIN TYPE

Aluminum oxide

BEST ON

STEEL / METAL



TIGER

VALUE FAST CUT





WOLVERINE®

Fast cut rate and consistent performance at a good value.

GRAIN TYPE

Aluminum oxide

BEST ON STEEL / METAL

Kev:





beveling and torch-cut softening

PRODUCT FEATURES

Weiler offers a small hub on 4-1/2" wheels to keep the wheel from gouging valuable parts as well as allowing for 30% more usable wheel area

1mm | FAST CUT & WEILER

Small hub 1677: Conventional hub size ALUMINUM HIN ON LOADING ALU60S 13,300 (WEILER

Cut back provides instant aggressive grinding on new wheels

UltraCut true 1mm thickness

Smooth outer layer

reduces friction which

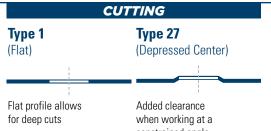
cut with less kickback

translates to an effortless

delivers precise, consistent cuts

on thin metal

Selecting the best wheel type for your application increases wheel effectiveness and user productivity.







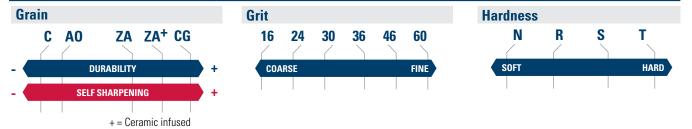
of grinding angles (0-45)

Type 28 (Depressed Center)

Designed for increased aggression at lower working angles and increased access

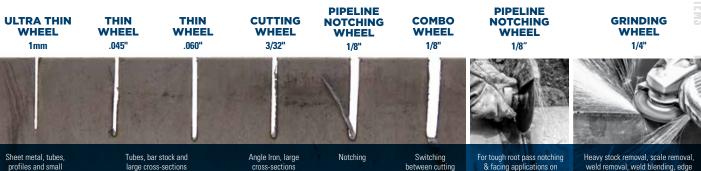
GRAIN / GRIT / GRADE

Selecting the best grain, grit and grade combination for your application can increase wheel effectiveness and user productivity. Use the charts below to help pick the right wheel for the job.



cross-section rods

APPLICATION When selecting a wheel, always choose the thinnest wheel that will perform the cut while maintaining desired product life.



and grinding

the pipeline



Cutting a piece of bar stock with an UltraCut wheel.

TIGER

Weiler's diverse line of cutting wheels provide a consistent, well balanced, high quality solution. From our thin cutting wheels that slice through metal, to our large diameter wheels for the biggest cuts, professionals get the most demanding jobs done right and done fast.

FEATURES:

- Ultracut 1mm cutting wheels deliver lightning fast, super smooth, clean cuts on sheet metal, tubes, profiles, and small cross-section rods.
- **Smooth outer layer** on performance cutting wheels reduces friction that translates to an effortless cut and less kickback during operation.

FOR GRINDERS



P HIGH PERFORMANCE THIN CUTTING

STEEL/METAL TIGER® ZIRC ULTRACUT 1MM / Fast Cut & Long Life

 Diameter
 Thickness
 Grade
 Max. RPM
 Std. Pack
 Item #

 4-1/2"
 1 mm
 Z60T
 13,300
 50
 58005

 5"
 1 mm
 Z60T
 12,200
 50
 58006

TYPE 1

7/8" Arbor

ļ	STAINLESS GE	K INUX ULI KACUT	IMM / Contaminan	t-free*		
	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, CI)





P MAX PERFORMANCE CUTTING

STEEL / META	TIGFR® C	ERAMIC			TYPE 1 7/8" Arbor		TYPE 27 7/8" Arbor		E 27 1 Hub
STAINLESS HARD-TO-CUT	Superior I	ife & Cut ant-free*							
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	.045"	CER60S	13,300	25	58300	25	58305	10	58306
5"	.045"	CER60S	12,200	25	58301	25	58307	10	58308
6"	.045"	CER60S	10,200	25	58302	25	58309	10	58310
7"	.060"	CER60S	8,500	25	58303	25	58311	10	58312

HIGH PE	RFORMA	ANCE CU	JTTING	TYPE 1 7/8" Arbor		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
STEEL / META	TIGER ZI	RC / Fast C	ut & Long Life						_
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	.045"	Z60T	13,300	25	58000	25	58020	10	58030
5"	.045"	Z60T	12,200	25	58001	25	58021	10	58031
6"	.045"	Z60T	10,200	25	58002	25	58022	10	58032
7"	.060"	Z60T	8,500	25	58003	25	58023	10	58033
STAINLESS	TIGER IN	I OX / Conta	aminant-free*						
4-1/2"	.045"	INOX60S	13,300	25	58100	25	58110	10	58109
5"	.045"	INOX60S	12,200	25	58101	25	58111		_
6"	.045"	INOX60S	10,200	25	58102	25	58112	10	58113
7"	.060"	INOX60S	8,500	25	58103	25	58107	_	_
ALUMINUM	TIGER AI	LUMINUM	/ Non-loadin	g / Contam	inant-free*				
4-1/2"	.045"	ALU60S	13,300	25	58200	25	58205	10	58206
5"	.045"	ALU60S	12,200	25	58201	25	58207	10	58208

10,200

8,500

25

ALU60S



58300

PERFORMANCE CUTTING

	MANCE TIGER A				PE 1 Arbor		E 27 Arbor		E 27 1 Hub
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	.045"	A60T	13,300	25	57020	25	57041	10	57040
	1/16"	A36T		25	57061	_	_	_	_
	3/32"	A36S		_	_	25	57081	10	57080
5"	.045"	A60T	12,200	25	57021	25	57043	10	57042
	3/32"	A36S		_		25	57083	10	57082
6"	.045"	A60T	10,200	25	57022	25	57045	10	57044
7"	.060"	A60T	8,500	25	57023	25	57046	10	57048
9"	1/16"	A60T	6.600	_	_	25	57047	10	57049 •

• Non-stock product, contact Customer Service for lead times

58209

58211

25

CUTTING

COTTING					PE 1		E 27
STEEL / METAL	WOLVERINE®	AO / Fast Cutt	ing	5/8" /	Arbor	5/8"	Arbor
Dia.	Thickness	Grade	Max. RPM	Pack	Item #	Pack	Item #
4"	.035"	A60T	19,000	50	56271		_
4"	3/32"	A24T	15,200	_	_	25	56474
5"	.035"	A60T	12,200	100	56108	_	_

CUTTIN	_				PE 1 Arbor		E 27 Arbor	TYP 5/8"-1	
STEEL / MET.	WOLVER WOLVER	INE AO / F	ast Cutting	-			_		
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	.045"	A60T	13,300	50	56281	_	_	_	_
	.045"	A60S		_	_	25	56393	_	_
	1/16"	A60T		50	56103	_	_	_	_
	3/32"	A24T		_	_	25	56475	10	56385
5"	.045"	A60S	12,200	_	_	100	56392	_	_
	1/16"	A36T		100	56118	_	_	_	_
	3/32"	A24T		_	_	25	56476	10	56384
6"	.040"	A60T	10,200	25	56282	_	_	_	_
	.045"	A60T		25	56273	_	_	_	_
	.045"	A60S		_	_	25	56283	_	_
	3/32"	A24R		_	_	25	56277	10	56278
7"	.045"	A60T	8,500	25	56275	_	_	_	_
	.060"	A60S		_	_	25	56391	_	_
	3/32"	A24R		_	_	25	56383	10	56477
9"	1/8"	A24T	6,600	_	_	_	_	10	56423









TING WHEELS FOR DIE GRINDERS



MAX PERFORMANCE CUTTING

STEEL / METAL	TIGER® CERAN	410						
STAINLESS	Superior Life &				PE 1 Arbor	TYPE 1 3/8" Arbor		
HARD-TO-CUT	Contaminant-fre			1/4	ATDOI	3/0 AIDUI		
D:-	This to the same	0	BA DDBA	D I.	Idam #	D I.	14 H	
Dia.	Thickness	Grade	Max. RPM	Pack	Item #	Pack	ltem #	
3"	1/16"	CER36T	25,000	100	58345	100	58342	



HIGH PERFORMANCE CUTTING

	TIGER ZIRC /		_	TYPE 1 1/4" Arbor		TYPE 1 3/8" Arbor	
Dia.	Thickness	Grade	Max. RPM	Pack	Item #	Pack	Item #
3"	.035"	Z60T	25,000	100	58012	100	58011
4"	.035"	Z60T	19,000	25	58014	25	58013

TYPF 1

TVPF 1



PERFORMANCE CUTTING

EEL / METAL	TIGER AO / Lo	ong Life			Arbor	3/8" Arbor	
Dia.	Thickness	Grade	Max. RPM	Pack	Item #	Pack	Item #
2"	.035"	A60T	30,000	100	57014	100	57010
	1/16"	A36T			57015		57011
	1/8"	A36T			57016		57012
3"	.035"	A60T	25,000	100	57065	100	57001
	1/16"	A36T			57066		57060
	1/8"	A36T			57068		57063
4"	.035"	A60T	19,000	25	57075	25	57070
	1/16"	A36T			57076		57071
	1/8"	A36T			57077		57072



VALUE CUTTING

VALUE CU	TTING WOLVERINE®	AO / Fast Cut			PE 1 Arbor	TYPE 1 3/8" Arbor		
Dia.	Thickness	Grade	Max. RPM	Pack	Item #	Pack	Item #	
2"	.035"	A60T	30,000	100	56013	100	56128	
	1/16"	A36T		50	56015	50	56129	
	1/8"	A36S		50	56022	50	56130	
3"	.035"	A60T	25,000	100	56061	100	56062	
	1/16"	A36T		100	56065	100	56068	
	1/16"	A60T		_	_	100	56070	
	1/8"	A36T		_	_	50	56076	
	1/8"	A36S		_	_	50	56060	
4"	.035"	A60T	19,000	50	56165	50	56080	
	1/16"	A36T		50	56166	50	56086	
	1/8"	A36T		_	_	50	56099	
	1/8"	A36S		50	56167	_	_	

ACCESSORIES

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





MOUNTING MANDRELS 1/4" Stem. For Type 1 Wheels Only.

Arbor Size	Wheel Thickness	Standard Pack	Item Number
1/4"	.035" to 1/4"	10	56489
3/8"	.035" to 1/4"	10	56490
1/4", 3/8" *	.035" to 1/4"	10	56491*

^{*}Combination pack





For Arbor Hole Size	Adapted Arbor Hole Size	Standard Pack	Item Number
1"	20mm	10	04455

P PERFORMANCE SNAGGING

SNAGGING WHEELS FOR DIE GRINDERS

PERFORM	IANCE SNA	AGGING			PE 1	TYPE 1		
STEEL / METAL	TIGER® AO /	Long Life		1/4"	Arbor	3/8" Arbor		
Dia.	Thickness	Grade	Max. RPM	Pack	Item #	Pack	Item #	
3"	1/4"	A24T	25,000	40	57069	40	57064	
4"	1/4"	A24T	15,300	10	57078	10	57073	



V VALUE SNAGGING

STEEL / METAL WO	LVERINE® AO / Fast	3/6 Aibbi				
Dia.	Thickness	Grade Max. RPM		Pack	Item #	
2"	1/4"	A60T	30,000	25	56131	
3"	1/4"	A24T	25,000	25	56064	
4"	1/4"	A36T	15,300	25	56163	



TYPE 27 -

SNAGGING WHEELS FOR DIE GRINDERS

P PERFORMANCE SNAGGING

STEEL/METAL TIGE	R AO / Long Life			3/8" Arbor			
Dia.	Thickness	Grade	Max. RPM	Pack	Item #		
4"	1/4"	A24T	15,300	10	57074		



FOR CHOP SAWS / STATIONARY SAWS



TYPE 1

TVDE 27

TYPE 1 1" Arbor

TYPE 1

1" Arbor

PERFORMANCE LARGE CUTTING

STEEL/METAL TIGER AO / Long Life

	For Stationary Saws								
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #				
12"	3/32"	A36T	5,100	25	57090				
14"	1/8"	A30R	4,400	10	57091*				
	3/32"	A36T			57092				
		A36R			57093 ◆				

*Recommended for stationary saws only. ◆ Softer bond for smoother, faster cutting.

V LARGE CUTTING

STEEL / METAL	WOLVERINE AO	/	Fast Cutting	
	***************************************	•	r dot odtimg	

TOUTE HITE AG 7 Tust outling											
Dia.	Thickness	Grade	Max. RPM	Std. Pack	Item #						
For Chop Saws											
12"	3/32"	A46T	5,100	25	56239						
14"	3/32"	A46T	4,400	10	56240						
	For Stationary Saws										
14"	1/8"	A30R	4,400	10	56230						



Grinding on a platform for weld preparation.

GRINDING WHEELS 0-45°

Weiler's high quality line of grinding wheels help Metal Fabrication professionals get the most demanding jobs done right, and done fast.

FEATURES:

- Tiger type 27 grinding wheels are designed with fiberglass cut back from the edge to provide instant aggressive grinding on new wheels.
- Type 28 grinding wheels are designed for increased aggression at lower working angles and increased access to the work piece.

FOR GRINDERS



P MAX PERFORMANCE GRINDING

STEEL / N STAINL HARD-TO-	.200	© CERAMI ior Life & Cu minant-free	ıt		TYPE 27 TYPE 27 5/8" Arbor 7/8" Arbor			5/8"-11 Hub		
Dia.	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item #	
4"	1/4"	CER24R	15,300	10	58335	_	_	_	_	
4-1/2"	1/4"	CER24R	13,300	_	_	10	58325	10	58326	
5"	1/4"	CER24R	12,200	_	_	10	58327	10	58328	
6"	1/4"	CER24R	10,200	_	_	10	58329	10	58330	
7"	1/4"	CER24R	8,500	_	_	10	58331	10	58332	
9"	1/4"	CER24R	6,600	_	_	10	58333	10	58334	

TVDE 27



HIGH PERFORMANCE

	STEEL/METAL TIGER ZIRC / Ceramic-infused			TYPE 27 5/8" Arbor		7/8" <i>4</i>		TYPE 27 5/8"-11 Hub	
	& Long Life				_		_		
Dia.	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item #
4"	1/4"	Z24T	15,300	10	58069	_	_		_
4-1/2"	1/4"	Z24T	13,300	_	_	10	58071	10	58070
5"	1/4"	Z24T	12,200	_	_	10	58073	10	58072
6"	1/4"	Z24T	10,200	_	_	10	58079	10	58078
7"	1/4"	Z24T	8,500			10	58075	10	58074
9"	1/4"	Z24T	6,600	_	_	10	58077	10	58076
STAINL	ESS TIGE	RINOX / C	ontaminant-fre	ee*					
4-1/2"	1/4"	INOX24R	13,300		_	10	58121	10	58120
5"	1/4"	INOX24R	12,200		_	10	58123	10	58122
6"	1/4"	INOX24R	10,200	_	_	10	58129	10	58128
7"	1/4"	INOX24R	8,500	_	_	10	58125	10	58124
9"	1/4"	INOX24R	6,600	_	_	10	58127	10	58126
ALUMIN	IUM TIGER	R ALUMINU	JM / Non-loa	ding / Conta	minant-free*	:			
4-1/2"	1/4"	ALU24R	13,300		_	10	58225	10	58226
5"	1/4"	ALU24R	12,200	_	_	10	58227	10	58228
6"	1/4"	ALU24R	10,200	_	_	10	58229	10	58230
7"	1/4"	ALU24R	8,500		_	10	58231	10	58232
9"	1/4"	ALU24R	6,600	_	_	10	58233	10	58234



58225

P	PERFORMANCE GRINDING STEEL/METAL TIGER AO / Long Life				TYPE 27 5/8" Arbor		TYP 7/8" /	E 27 Arbor	TYPE 27 5/8"-11 Hub	
	Dia.	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item :
	4"	1/4"	A24R	15,300	10	57119	_	_	_	_
										F740

Dia.	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item #
4"	1/4"	A24R	15,300	10	57119	_	_		_
4-1/2"	1/4"	A24R	13,300		_	10	57121	10	57120
5"	1/4"	A24R	12,200		_	10	57123	10	57122
6"	1/4"	A24R	10,200		_	10	57129	10	57128
7"	1/4"	A24R	8,500		_	10	57125	10	57124
9"	1/4"	A24R	6,600	_	_	10	57127	10	57126

TYPF 27 5/8" Arbor

TYPF 27 7/8" Arbor

TYPE 27 5/8" Arbor

STEEL / META	STEEL/METAL WOLVERINE® AO / Fast Cutting												
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item #				
4"	1/4"	A24R	15,200	25	56473	_	_	_	_				
4-1/2"	1/4"	A24R	13,300	_	_	25	56464	10	56454				
4-1/2"	1/4"	A24N	13,300	_	_	25	56457	10	56455				
5"	1/4"	A24R	12,200	_	_	25	56466	10	56449				
6"	1/4"	A24R	10,200	_	_	25	56280	10	56279				
7"	1/4"	A24R	8,500	_	_	25	56467	10	56468				
9"	1/4"	A24R	6 600					10	56470				





HIGH PERFORMANCE GRINDING TYPE 28 TYPE 28 7/8" Arbor 5/8"-11 Hub STEEL / METAL TIGER® ZIRC / Ceramic-infused Fast Cut & Long Life Max. RPM Diameter Std. Pack Item # Std. Pack Item # 58080 58081 6,600 58083 58082

TYPE 28 **5/8"-11 Hub** TYPE 28 PERFORMANCE GRINDING 7/8" Arbor STEEL / METAL TIGER AO / Long Life **Thickness** Max. RPM Std. Pack Item # Std. Pack Item # 8.500 57134 A24R 57135 6,600 57136





COMBO WHEELS 0-45°

Weld removal with Tiger combo wheel.

58315

INOX

58114

TIGER

TIGER

TIGER

TIGER

Weiler's Combination Wheels offer flexibility and efficiency when switching between cutting and grinding applications. Our *Tiger reinforcement technology* provides the strength to hold up when grinding, while maintaining a fast cut.



P MAX PERFORMANCE CUT / GRIND COMBO

TYPE 27 **5/8"-11 Hub** TYPE 27 **TIGER® CERAMIC** STAINLESS 7/8" Arbor Superior Life & Cut HARD-TO-GRIND Contaminant-free* Diameter Thickness Grade Max. RPM Std. Pack Item # Std. Pack Item # 4-1/2" 1/8" CER30T 13,300 58315 10 58316 1/8' CER30T 12,200 25 58317 10 58318 6" 1/8" CER30T 10,200 25 58319 10 58320 CER301 8,500 58321 58322 1/8' CER30T 6,600 58323 10 58324 25

P HIGH PERFORMANCE CUT / GRIND COMBO

TYPE 27
7/8" Arbor

TYPE 27 **5/8"-11 Hu**

mon r En	TELL CHINATOL COT / CHINED COME		7/8"	Arbor	5/8"- <u>11</u> Hub		
STEEL / METAL	TIGER ZIRC / I	ast Cut & Long	Life		_		
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	1/8"	Z30T	13,300	25	58051	10	58050
5"	1/8"	Z30T	12,200	25	58053	10	58052
6"	1/8"	Z30T	10,200	25	58064	10	58054
7"	1/8"	Z30T	8,500	25	58056	10	58055
9"	1/8"	Z30T	6,600	25	58058	10	58057
STAINLESS	TIGER INOX /	Contaminant-f	ree*				
4-1/2"	1/8"	INOX30T	13,300	25	58115	10	58114
7"	1/8"	INOX30T	8,500	25	58117	10	58116
9"	1/8"	IN0X30T	6,600	25	58119	10	58118
ALUMINUM	TIGER ALUMII	NUM / Non-loa	iding / Contam	inant-free*			
4-1/2"	1/8"	ALU30T	13,300	25	58215	10	58216
5"	1/8"	ALU30T	12,200	25	58217	10	58218
6"	1/8"	ALU30T	10,200	25	58219	10	58220
7"	1/8"	ALU30T	8,500	25	58221	10	58222

P

PERFORMANCE CUT / GRIND COMBO

TYPE 27 **7/8" Arbor**

TYPE 27 **5/8"-11 Hub**

STEEL / METAL	TIGER AO / Lo	ng Life						
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	
4-1/2"	1/8"	A30S	13,300	25	57101	10	57100	
5"	1/8"	A30S	12,200	25	57103	10	57102	
6"	1/8"	A30S	10,200	25	57109	10	57108	
7"	1/8"	A30S	8,500	25	57105	10	57104	
9"	1/8"	A30S	6,600	25	57107	10	57106	



CUT / GRIND COMBO

TYPE 27
7/8" Arbor

5/8" Arbor

STEEL / METAL	WOLVERINE ®	AO / Fast Cutti	ing					
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	
4-1/2"	1/8"	A24T	13,300	25	56430	10	56429	
5"	1/8"	A24T	12,200	25	56428	10	56427	
7"	1/8"	A24T	8,500	25	56426	10	56425	

PIPELINE WHEELS



Fast grinding and long life on the line and in the fab yard.

NEW: Weiler's Pipeliner Grinding Wheels are designed specifically for pipeline applications. Whether grinding a bead, facing the land, prepping transitions, or fabricating in the yard, this wheel is ready to work out of the box, delivering consistent, aggressive grinding throughout the life of the wheel, eliminating the need to chip it.

FEATURES & BENEFITS:

Do NOT Chip

(Operators will no longer feel the need to chip the wheel to get it to bite.)

Reduced Chatter

Superior Cut & Life

One Wheel for





NEW

58090

TYPF 27

GRINDING

NOTCHING



HIGH PERFORMANCE PIPELINER GRINDING WHEELS

Grade Max. RPM Diameter **Thickness** Std. Pack Item # 4-1/2 58090 Z30T 58092 1/8 Z30T 8,500 58094 1/8"





FOR MECHANIZED PIPE WELDING

NEW: Weiler's Tiger Mech Wheels are designed for notching applications on mechanical pipe welds. These high-performance wheels are thinner than standard pipe notching wheels, allowing the operator to grind the bead without widening or scarring the bevel.

FEATURES & BENEFITS:

Designed to Fit

Tiger Mech reaches the bead without widening the bevel

Optimized Performance

Designed specifically to grind starts and stops on J and K bevels

Superior Cut & Life









Ī		,										
	Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #						
ĺ	4-1/2"	3/32"+	Z30T	13,300	10	58066						
ĺ	5"	3/32"+	Z30T	12,200	10	58067						
ľ	7"	3/32"+	730T	8 500	10	58068						

+ Specific size for mechanized pipe welds











Rebuilding American Manufacturing One Veteran At A Time.™

Weiler Abrasives is proud to support Workshops for Warriors[®], an organization that provides veterans and transitioning services members with training and certification for careers in welding, machining and fabrication at no cost to the veteran.

With the support of Weiler Abrasives and others, Workshops for Warriors will be able to increase its impact by expanding the current facility to accommodate an additional 450 students per year. The new facility will be a center for advanced manufacturing training and a place where veterans like Claudia can successfully transition into civilian life.

SUPPORT THE CAUSE: weilerabrasives.com







SOLUTIONS SHOWCASE

STEEL PIPING

Problem: A clean bevel end free of any surface imperfections is critical to a strong joint when welding heavy-wall piping. Unfortunately, lengths of steel pipe can sit in yards for significant periods of time, and pitting of the bevel ends is usually the result.

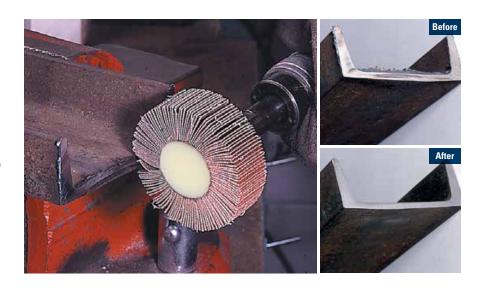
Solution: Coated abrasive flap discs like Weiler's original Tiger Disc are ideal tools for quickly removing heavy corrosion and blending pitting from bevel ends. The chatter-free, compliant grinding action and smooth, consistent finish produced by these discs make them the preferred choice for this application.



STEEL CHANNEL

Problem: Burrs produced by cut-off operations are dangerous and can prevent parts from fitting together properly, which can cause potential structural weak points.

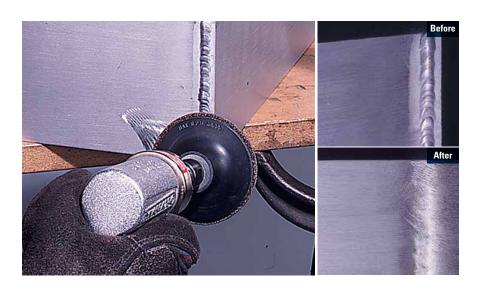
Solution: Weiler's coated abrasive flap wheels are flexible grinding products that are ideal for light stock removal applications. A 60 grit wheel can be used to remove a large burr and produce a smooth blended edge.



ALUMINUM FRAMES

Problem: Aluminum welds are particularly difficult to blend due to the tendency of the chips to become welded to the abrasive media. This causes the cut rate of the abrasive to fall rapidly and generates an expensive grinding operation.

Solution: Weiler's AL-tra Cut™ discs are specially formulated to prevent loading by lowering the grinding temperature. A 60 grit AL-tra Cut disc can blend an aluminum weld bead much faster than a conventional disc without loading.









STRUCTURAL STEEL BEAM

Problem: Grinding fillet welds is a difficult, time-consuming process that is often expensive to perform.

Solution: Tiger Angled flap discs are a great option for the metalworking professional looking for more versatility than a traditional flap disc can offer and ready to go to work right out of the box. They are ideal for applications that previously required either a carbide burr or trimmable flap disc in order to access welds. Tiger Angled also provides versatility in repair and re-work applications, where it is important to focus grinding in a small area while minimizing impact to the surrounding work piece(s).







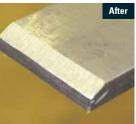
TANK AND PRESSURE VESSEL

Problem: The welds inside tanks and pressure vessels must be blended smooth prior to x-ray and pressure testing.

Solution: Weiler's Big Cat® High Density flap discs have the largest flap area in the industry – 22% more cloth. The result is enhanced conformability on curved or irregular surfaces and up to 40% longer life.







STEEL RACK BRACES

Problem: To prevent weldments used in the construction of offshore oil platforms from "racking" under load, lengths of steel bar stock are added as braces during the fabrication of these structural members. Beveling or chamfering the ends of the bars increases weld penetration and strengthens the joint.

Solution: The requirement for fast stock removal and long wheel life makes this an ideal application for a good quality Type 27 grinding wheel like those in Weiler's Vortec Pro® line of general-purpose bonded abrasives.

SELECTING THE RIGHT FLAP DISC

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.



P MAX PERFORMANCE



TIGER® CERAMIC

- TOP COAT for cool grinding
- Protects from heat discoloration
- Prevents loading on soft alloys

GRAIN TYPE

Ceramic alumina

CONTAMINANT FREE

CONTAIN LESS THAN 0.1% IRON, SULFUR & CHLORINE

STYLES **BEST ON**



STEEL / METAL ALUMINUM STAINLESS HARD-TO-GRIND

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





- 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

STYLES



*Big Cat

BEST ON

STEEL / METAL STAINLESS

(Metal includes structural steel and cast iron)





TIGER PAW

- SUPERIOR EDGE GRINDING
- Aggressive stock removal

GRAIN TYPE

100% zirconia alumina

CONTAMINANT FREE

CONTAIN LESS THAN 0.1% IRON, SULFUR & CHLORINE

STYLES



BEST ON

STEEL / METAL STAINLESS

(Metal includes structural steel and cast iron)





WOLVERINE®

- Fast stock removal
- Consistent performance

GRAIN TYPE

Zirconia alumina

STYLES



BEST ON

STEEL / METAL

SPECIALTY FI AP DISCS









FLAP DISCS	Ö		0000	
	MAX PERFORMANCE	HIGH PERFORMANCE	PERFORMANCE	VALUE
ANGLED (Fillet Welds)	\otimes	⊗		
TRIMMABLE (Non-Marking)	\otimes	⊗		
ALUMINUM BACK (Rigid Support)		⊗		8
MINI (Tight Spaces)			(Bobcat)	

^{*}Big Cat is a zirconia alumina flap disc and does not contain any ceramic alumina.

STYLE

CONICAL (Type 29)

15° – 35°



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) $0^{\circ} - 15^{\circ}$



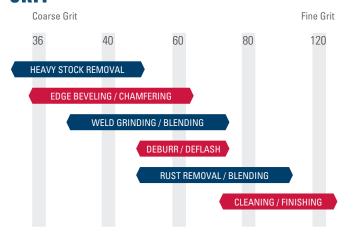
Conformable to irregular surfaces. Smooth grinding, blending and finishing on flat surfaces.

ANGLED (Type 27 / Hybrid) $0^{\circ} - 35^{\circ}$



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

GRIT



GRAIN



CERAMIC ALUMINA (CA)

- Self-sharpening micro fracturing crystals expose sharp edges
- Maintains a high cut-rate for the life of the grain
- Longest cutting life under moderate to high pressure
- Exceptional performance on hard-to-grind metals



ZIRCONIA ALUMINA (ZA)

- Self-sharpening crystals
- Holds up under high temperatures and extreme pressure
- · Sharp, fast cutting, long lasting grain



ALUMINUM OXIDE (A0)

- Single crystal that dulls during use
- Good initial cut rate
- · Hard, durable grain

BACKING

PHENOLIC



Prevents backing from scratching the workpiece.

ALUMINUM



Rigid support for maximum aggression; recyclable.

COMPOSITE*



Trimmable, non-marking backing; allows access to hard-to-reach areas.

*BobCat™ Discs are not Trimmable.

ARBOR

5/8" - 11 NUT

- · Quick change over
- Eliminates cross-threading experienced with plastic backs
- Metal nut eliminates the disc from sticking to the grinder due to heat build up



OPEN ARBOR

- Requires adapting nuts
- 5/8" option for 4" grinders
- 7/8" option for 4-1/2" and larger grinders



MOUNTING DISCS WITH OPEN ARBORS





MANDRELS & METAL HUB PADS

• For quick-change on tools with 1/4" collets

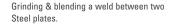
STANDARD DENSITY FLAP DISCS







Weiler's Tiger discs are engineered to maximize productivity and minimize operating costs for professionals who demand more. Get the right flap disc for your application and **get more done with Tiger.**





MAX PERFORMANCE / TIGER® CERAMIC (SABER TOOTH) Top Coated for Cool Grinding / Ceramic Alumina / Phenolic Back

TYPE 29 TYPE 29 7/8" Arbor 5/8"-11 Hub STEEL / METAL STAINLESS HARD-TO-GRIND ALUMINUM Max. RPM Diameter Grit Std. Pack Item # Item # 4-1/2 10 50100 50104 36 50101 40 50105* 60 50102 50106* 80 50103 50107* 5" 40 12,000 10 50538 • 60 50539 • 80 50540 • 8.600 10 50108 50112* 36 50109 50113* 40 60 50110 50114*

Non-stock product, contact Customer Service for lead times

50115*

50111



51205

P HIGH PERFORMANCE / TIGER X

80

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

STEEL / MET	AL ST	TAINLESS		7/8" Arbor	5/8"-11 Hub	7/8" Arbor	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*
5"	36	12,000	10	51208	_	_	_
	40			51209	51212*	_	_
	60			51210	51213*	_	_
	80			51211	51214*	_	_
7"	36	8,600	10	51215	51219*	_	-
	40			51216	51220*	51229	51232*
	60			51217	51221*	51230	51233*
	80			51218	51222*	51231	51234*



				TYPE 29 5/8" Arbor	TYPE 29 7/8" Arbor	TYPE 29 5/8"-11 Hub	TYPE 27 5/8" Arbor	TYPE 27 7/8" Arbor	TYPE 27 5/8"-11 Hub
STEEL /	METAL	STAIN	LESS	-					
Dia.	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #	Item #	Item #	Item #
4"	36 40	15,000	10	50592 50593		_	- 50693	_	_
	60			50594		-	50694	-	_
	80 120			50595 —	_ _	_ _	50695 50696	_ _	
4-1/2"	24	13,000	10	_	50601	_	_	_	-
	120			_	50606	_	_	50706	50699*
5"	40	12,000	10	_	_	_	_	50713	_
	60			_	_	_	_	50714	_
	80			_	_	_	_	50715	_
	120			_	50616	_	_	_	_
6"	40	10,200	10	_	50649	50659	_	_	_
	60			_	50650	50660	_	_	_
	80			_	50651	50661	_	_	_
7"	120	8,600	10	_	_	_	_	_	50746* •

Non-stock product, contact Customer Service for lead times



STEEL /	METAL	STAINI	LESS	5/8" Arbor	7/8" Arbor	5/8"-11 Hub	5/8" Arbor	7/8" Arbor	TYPE 27 5/8"-11 Hub
Dia.	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #	Item #	Item #	Item #
4"	40 60	15,000	10	51104 51105	— — — — — — — — — — — — — — — — — — —	— — — — —	51101 51102	— — — — — —	— — — — — — — — — — — — — — — — — — —
4-1/2"	36	13,000	10	_	51118	51123*	_	51107	51112*
	40 60				51119 51120	51124* 51125*		51108 51109	51113* 51114*
	80			_	51121	51126*	_	51110	51115*
5"	36 40 60 80	12,000	10	- - -	51128 51129 51130 51131	51153* 51132* 51133* 51154*	- - -	51182 51134 51135 51183	51155* 51156* 51157* 51158*
7"	36 40 60 80	8,600	10	- - -	51145 51150	51149* 51146* 51147* 51148*	- - -	51137 51138	51139* 51140* 51142* 51143*



Consistent Performance / Zirconia Alumina / Phenolic Back

				TYPE 29 5/8" Arbor	TYPE 29 7/8" Arbor	TYPE 29 5/8"-11 Hub	TYPE 27 7/8" Arbor	TYPE 27 5/8"-11 Hub
STEEL /	METAL							
		Max.	Std.					
Dia.	Grit	RPM	Pack	Item #	Item #	Item #	Item #	Item #
4"	36	15,000	10	31337	_	_	_	_
	40			31338	_	-	_	_
	60			31339	_	_	_	_
	80			31340	_	_	_	_
4-1/2"	36	13,000	10	_	31343	31349*	31401	31407*
	40			_	31344	31350*	31402	31408*
	60			_	31345	31351*	31403	31409*
	80			_	31346	31352*	31404	31410*
	120			_	31347	31353*	_	_
5"	36	12,000	10	_	31355	-	_	_
	40			_	31356	-	_	_
	60			_	31357	_	_	_
	80			_	31358	_	_	_
7"	36	8,600	10	_	31361	31367*	_	31419*
	40			_	31362	31368*	31414	31420*
	60			_	31363	31369*	31415	31421*
	80			_	31364	31370*	_	31422*



50601

TIGER PAW

51140 40Z

51140

51126

Key:



VALUE LINE Professional Grade

31343

*Patent # 6,945,863

29

Blending and finishing a weld with a Big Cat

HIGH DENSITY FLAP DISCS



High density flap discs last up to 40% longer than standard density. They are ideal for grinding and blending uneven or irregular surfaces.



50140*

50141*



INDUSTRY-LEADING

30mm flaps on Big Cat and Tiger Paw increases surface area grinding

50137

50138



MAX PERFORMANCE / TIGER® CERAMIC HD (SABER TOOTH)

_	Top Coated for Cool G	Frinding on Irregular S	7/8" Arbor	5/8"-11 Hub		
	STEEL / METAL STA	INLESS HARD-TO-GRIN	ALUMINUM		7/6 AIDUI	3/8 -11 Hub
	Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #
	4-1/2"	40	13,000	10	50130	50133*
		60			50131	50134*
		80			50132	50135*
	7"	40	8,600	10	50136	50139*



HIGH PERFORMANCE / TIGER BIG CAT® HD

et Grinding & Long L	TYPE 27 7/8" Arbor	TYPE 27 5/8"-11 Hub			
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #
4-1/2"	40	13,000	10	50803	50808*
	60			50804	50809*
	80			50805	50810*
	120			50806	_
7"	40	8,600	10	50823	50843*
	60			50824	50844*
	80			50825	50845*
	120				E004C*



51165

PERFORMANCE / TIGER PAW™ HD

Aggressive Stock Rem Phenolic Back STEEL / METAL STAI	noval on Irregular Sur	TYPE 27 7/8" Arbor	TYPE 27 5/8"-11 Hub		
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #
4-1/2"	36	13,000	10	51160	51164*
	40			51161	51165*
	60			51162	51166*
	80			51163	51167*
7"	40	8,600	10	51170	51168*
	60			51171	51169*



STEEL / METAL	ce on irregular Surrac	es / Zirconia Alumin	a / Phenolic Back	7/8" Arbor	5/8"-11 Hub
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #
4-1/2"	40	13,000	10	31387	31390*

Blending fillet welds to ensure proper

ALUMINUM BACK

Aluminum backed flap discs are ideal for demanding applications that require extra strength and rigid support. The aluminum backing plate is also 100% recyclable.

penetration prior to inspection.

HIGH PERFORMANCE / TIGER® ALUMINUM BACKFast Grinding & Long Life / Zirconia Alumina / Backing Plate Provides Rigid Support

STEEL / METAL	STAINLESS			TYPE 29 5/8" Arbor	7/8" Arbor	TYPE 29 5/8"-11 Hub
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #
4"	36	15,000	10	50502		-
	40			50503	_	_
	60			50504	_	_
	80			50505	_	_
	120			50506	-	-
4-1/2"	24	13,000	10	_	50511	50510
	36			_	50512	50517
	40			_	50513	50518
	60			_	50514	50519
	80			_	50515	50520
	120			_	50516	50509
5"	36	12,000	10	_	50522	-
	40			_	50523	-
	60			_	50524	_
	80			_	50525	_
	120			_	50526	_
7"	24	8,600	10	_	_	50541
	36			_	50532 •	50542
	40			-	50533 •	50543
	60			-	50534 •	50544
	80			-	_	50545
	120			_	_	50546

50519







"Weiler products are very rugged consumables. They have a long life.

- Dave Porzuczek, Assistant Foreman, Karnel Incorporated

Key:



ANGLED 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.



Angled flaps are ideal for fillet welds and hard-to-reach places



MAX PERFORMANCE / TIGER® CERAMIC ANGLED

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

STEEL / METAL	STAINLE	SS HARD-TO-GRIND	ALUMINUM		7/8" Arbor	5/8"-11 Hub
Diamet	er	Grit	Max. RPM	Std. Pack	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



HIGH PERFORMANCE / TIGER ANGLED

Fast Grinding & Long Life on Fillet Welds / Zirconia Alumina / Phenolic Back

STEEL / METAL STA	AINLESS			1/8" Arbor	5/8"-11 Hub
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #
4-1/2"	40	13,000	10	51300	51303
	60			51301	51304
	80			51302	51305
5"	40	12,000	10	51306	51309
	60			51307	51310
	80			51308	51311

TRIMMABLE DISCS

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



TYPF 29

TYPE 29 E/0" 11 U.J.

TYPE 29

TYPE 29



50121

MAX PERFORMANCE / TIGER CERAMIC TRIM (SABER TOOTH) Top Coated for Cool Grinding / Ceramic Alumina / Trimmable Composite Back for Versatility

STEEL / METAL	STAINLESS	HARD-TO-GRIND	ALUMINUM		7/8" Arbor	5/8"-11 Hub
Diameter		Grit	Max. RPM	Std. Pack	Item #	Item #
4-1/2"		40	13,000	10	50117	50121*
		60			50118	50122*
		80			50119	50123*



50003

PERFORMANCE / TIGER TRIM

Long Grinding Life / Zirconia Alumina / Trimmable Composite Back for Versatility

STEEL / METAL STA	AINLESS			7/6 Arbur	3/0 -11 Hub
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #
4-1/2"	40	13,000	10	50002	50006*
	60			50003	50007*
	80			50004	50008*
	120			50005	50009*
5"	40	12,000	10	50010	50014
	60			50011	50015
	80			50012	50016







The expanded mini flap disc line now offers a threaded button R mount in addition to the current S mount for greater versatility to fit the most popular styles of hub pads. These discs are designed for use on die grinders to provide smooth grinding and enhanced conformability in tight areas.

Weiler BobCat Mini Flap Discs are designed and compatible for use on both industry standard hub pads.





R MOUNT+

S Mount



Edge chamfering a fabricated stainless component.





PERFORMANCE / TIGER® BOBCAT™ Grinding Hard-to-Reach Places

Zirconia Alumina / Composite Back

STEEL / METAL	STAINLESS			TYPE 29	TYPE 27	TYPE 29	TYPE 27
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #	Item #
2"	36	30,000	10	50922	50932	50946	50956
	40			50923	50933	50947	50957
	60			50924	50934	50948	50958
	80			50925	50935	50949	50959
	120			50926	50936	50950	50960
3"	36	20,000	10	50902	50912	50951	50961
	40			50903	50913	50952	50962
	60			50904	50914	50953	50963
	80			50905	50915	50954	50964
	120			50906	50916	50955	50965

^{*} Back-up pad not required if used with S mount mandrel. 3" discs are compatible with Norton Speed-Lok® TS back-up pads.

ACCESSORIES

BOBCAT DRIVE MANDRELS & METAL HUB PADS

For quick-change on tools with 1/4" collets.

Description	Std. Pack	Item #
2"& 3" S mount mandrel	1	07766
2" S mount hub pad + mandrel	1	60508
3" S mount hub pad + mandrel	1	60509
2" R mount hub pad + mandrel	1	51551
3" R mount hub pad + mandrel	1	51552









ADAPTING NUTS & SPANNER WRENCH

For use with standard, HD and specialty flap discs.

Description	Thread Size	For Use With	Std. Pack	Item #
Adapting Nuts	3/8" - 24	4" flap disc with 5/8" arbor hole (can be used with an adjustable or combination wrench)	1 Pair	56484
Adapting Nuts	5/8" -11	4-1/2", 5" & 7" flap discs with 7/8" arbor hole	1 Pair	56494
Spanner Wrench	_	Item No. 56494 only	1	56495
When mounting, adapter	rs must be nested, see i	llustration at left.		



Abrasive Flap Disc

Adapting Nut



⁺ Back-up pad required. Also compatible with 3M Roloc™ back-up pads.

Smoothing the edges of rollercoaster track with a resin fiber disc.

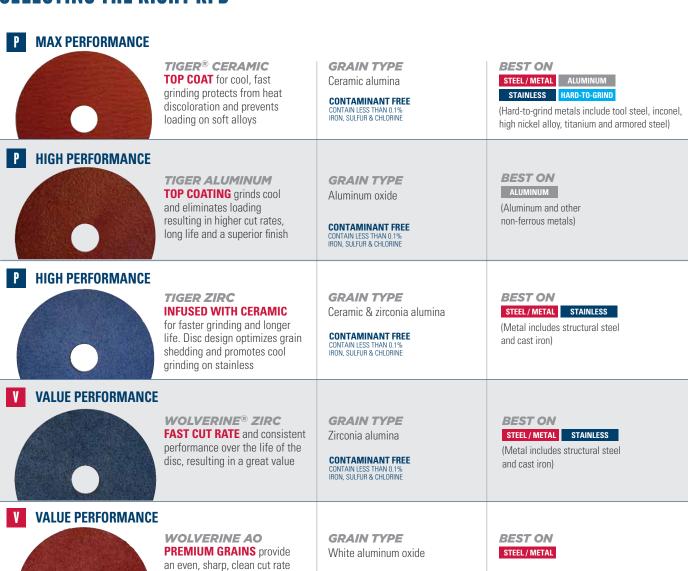
RESIN FIBER DISCS



NEW! Faced with the challenge of working on everything from pressure vessels to roller coasters, professionals need a solution they can count on. That's why we've expanded our line up to deliver the options needed to optimize grinding time on a wide variety of applications. With premium grain mixes that aggressively remove metal and a superior design that locks the grain in, Weiler Tiger and Wolverine RFDs are designed to deliver serious grinding solutions.

- Advanced grain formulas designed to maximize cut rate on metals.
- Superior design minimizes loading, glazing, and grain stripping.
- Heavy duty vulcanized fiber backing holds up to the toughest jobs.
- Quick change hub option reduces down time and eliminates interference from adapter rings.
- Spiral molded backing pad design runs cool by increasing airflow and fits on all right-angle grinders.

SELECTING THE RIGHT RFD



and consistent performance

at a great value.

TIGER® CERAMIC RESIN FIBER DISCS Ceramic Alumina / Superior Life & Cut Rate on Metal Self-sharpening Ceramic Alumina grain delivers a superior combination of life and cut rate.

Top coat grinds cool and eliminates loading.

Top coat grillus cool and eliminates loading.						
STEEL / METAL	STAINLESS	ALUMINUM	HARD-TO-GRIND			

			TYPE 27 7/8" Arbor	TYPE 27 5/8"-11 Hub
Diameter	Grit Size	Standard Pack	Item Number	Item Number
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 page



69867

ADVANCED CERAMIC GRAIN

delivers greater stock removal with a finer scratch pattern

LESS PRESSURE

for consistent material removal, reducing operator fatigue

TOP COAT

grinds cool and eliminates loading, glazing & dulling

WIDE RANGE

of grit options professionals need to get a desired finish

TIGER ALUMINUM RESIN FIBER DISCS Aluminum Oxide / Non-Loading on Non-Ferrous Metals

A top coating grinds cool and eliminates loading, which results in higher cut rates, long life and a superior finish.

ALUMINUM	

ALGIVINION				
			TYPE 27 7/8" Arbor	TYPE 27 5/8"-11 Hub
Diameter	Grit Size	Standard Pack	Item Number	Item Number
4-1/2"	24	25	60400	60600
	36		60401	60601
	50		60402	60602
	60		60403	60603
	80		60404	60604
	120		60406	60606
5"	24	25	60410	60610
	36		60411	60611
	50		60412	60612
	60		60413	60613
	80		60414	60614
	120		60416	60616
7"	24	25	60420	60620
	36		60421	60621
	50		60422	60622
	60		60423	60623
	80		60424	60624
	120		60426	60626

Do not exceed maximum RPM of back-up pad.



TIGER® ZIRC RESIN FIBER DISCS Zirconia Alumina / Ceramic Infused for Faster, Longer Grinding A unique blend of self-sharping Zirconia Alumina and Ceramic Alumina grains deliver a fast, consistent cut rate.

A superior design extends disc life by minimizing grain shedding and promotes cool grinding.

STEEL/METAL STAINLESS



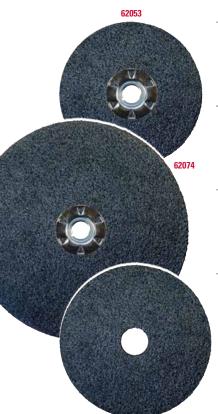
			TYPE 27 7/8" Arbor	TYPE 27 5/8"-11 Hub
Diameter	Grit Size	Standard Pack	Item Number	Item Number
4-1/2"	24	25	59731	59931
	36		59732	59932
	50		59733	59933
	60		59734	59934
	80		59735	59935
	100		59736	59936
	120		59737	59937
5"	24	25	59701	59901
	36		59702	59902
	50		59703	59903
	60		59704	59904
	80		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.



WOLVERINE® ZIRC RESIN FIBER DISCS Zirconia Alumina / Fast Grinding on Metal Self-sharping Zirconia Alumina grain delivers a fast cut rate and consistent performance over the life of the disc, resulting in a great value.

STEEL/METAL STAINLESS



			TYPE 27 7/8" Arbor	TYPE 27 5/8"-11 Hub
Diameter	Grit Size	Standard Pack	Item Number	Item Number
4-1/2"	24	25	62002	62052
	36		62003	62053
	50		62004	62054
	60		62005	62055
	80		62006	62056
	100		62007	62057
	120		62008	62058
5"	24	25	62012	62062
	36		62013	62063
	50		62014	62064
	60		62015	62065
	80		62016	62066
	100		62017	62067
	120		62018	62068
7"	24	25	62022	62072
	36		62023	62073
	50		62024	62074
	60		62025	62075
	80		62026	62076
	100		62027	62077
	120		62028	62078
9"	24	25	62032	62082
	36		62033	62083
	50		62034	62084
	60		62035	62085
	80		62036	62086
	100		62037	62087
	120		62038	62088
Do not exceed maximi	um RPM of back-up pad.			

61501

59543

WOLVERINE® AO RESIN FIBER DISCS White Aluminum Oxide / Fast Grinding on Metal

Standard Pack



Diameter

4"

Grit Size

24 36

Premium Aluminum Oxide grains provide an even, sharp, clean cut rate and consistent performance at a great value.	
STEEL/METAL	

TYPE 27 5/8" Arbor Item Number

59491 59492

	50 60 80 100 120		59492 59493 59494 59495 59496 59497		
Diameter	Grit Size	Standard Pack	TYPE 27 7/8" Arbor Item Number	TYPE 27 5/8"-11 Hub Item Number	
4-1/2"	24	25	59571	59971	
4-1/2	36	23	59573	59973	
	50		59575	59975	
	60		59576	59976	
	80		59577	59977	
	100		59578	59978	
	120		59579	59979	
5"	24	25	59501	61501	
	36		59503	61503	
	50		59505	61505	
	60		59506	61506	
	80		59507	61507	
	100		59508	61508	
	120		59509	61509	
7"	24	25	59521	61521	
	36		59523	61523	
	50		59525	61525	
	60		59526	61526	
	80		59527	61527	
	100		59528	61528	
	120		59529	61529	
9"	24	25	59541	61541	
	36		59543	61543	
	50		59545	61545	
	60		59546	61546	
	80		59547	61547	
	100		59548	61548	
	120	1	59549	61549	





Do not exceed maximum RPM of back-up pad.





ACCESSORIES FOR RESIN FIBER DISCS

Description	Thread Size	Max. RPM	Standard Pack	Item Number
4" Back-up Pad	5/8"-11*	12,000	1	59605
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 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. Weiler's blending discs are suitable for a wide range of light fabrication, repair and maintenance applications.

Blending surface imperfections prior to painting.



TIGER® CERAMIC ALUMINA BLENDING DISCS

For aluminum, stainless and other hard-to-grind metal applications.



	Grit	Standard	ltem N	lumber 💮
Diameter	Size	Pack	Type S Hub Style	Type R Hub Style
2"	36	50	60150	60170
	60		60151	60171
	80		60152	60172
3"	36	25	60155	60175
	60		60156	60176
	80		60157	60177



TIGER BLENDING DISCS - Type S Hub Style

Compatible with Norton Speed-Lok® TS back-up pads.





A	30	80	8
	80	0	80
	60395	80	80

	Grit Standard	Standard	Item Number		
Diameter	Size	Pack	Zirconia Alumina	Aluminum Oxide	
2"	36	100	60378	60040	
	60		60381	60043	
	80		60382	60044	
	120		60384	60046 •	
3"	36	50	60391	60053	
	60		60394	60056	
	80		60395	60057	
	120		60397	60059	





TIGER BLENDING DISCS - Type R Hub Style - Compatible with 3M Roloc™ back-up pads. <





Diameter	Grit Size	Standard Pack	Item Number - Aluminum Oxide
2"	36	100	60118
	60		60121
	80		60122
	120		60124
3"	36	50	60131
	60		60134
	80		60135
	120		60137



TIGER ALUMINUM BLENDING DISCS - Aluminum Oxide

	0.4	0111	Item Number		
Diameter	Grit Size	Standard Pack	Type R Hub Style*	Type S Hub Style +	
2"	36	50	59806	59869	
	60		59807	59870	
	80		59808	59871	
	120		59809	_	
3"	36	25	59811	59874	
	60		59812	59875	
	80		59813	59876	
	120		59814	59877 •	





BACK-UP PADS - 1/4" Stem

			Item No.	
Diameter	Max. RPM	Std. Pack	Type R Hub Style*	Type S 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 RolocTM back-up pads. (RolocTM is a trademark of 3M.)

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

TRIM-KUT® DISCS

Trim-Kuts are abrasive discs designed for light grinding and blending applications on a variety of materials. The abrasive grains are fused directly onto a wearable polymer backing, resulting in a disc that requires no back-up pad. The polymer backing trims during use to expose new grains to the work surface. 3" discs are designed for use on right angle air die grinders, and 4-1/2" discs are for use on right angle grinders.

APPLICATIONS

- Edge blending
- · Preparation for painting and surface finishing
- Light weld and stock removal
- Deburring



Deburring and chamfering a section of pipe after cutting.



TRIM-KUT® DISCS - Aluminum Oxide

Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number
3"	5/16" - 18	36	21,000	25	59300
		60			59305
		120			59315

Do not use TRIM-KUT discs in temperatures lower than 48° fahrenheit. Store at 50% relative humidity.







TRIM-KUT DISC - Aluminum Oxide

						_
	Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number
	4-1/2"	7/8"	36	13,000	25	59403

Do not use TRIM-KUT discs in temperatures lower than 48° fahrenheit. Store at 50% relative humidity.





TRIM-KUT ADAPTERS

Description	For Use With	Standard Pack	Item Number
1/4" Mandrel	3" TRIM-KUT Discs	25	59327
3/8"-24 UNF Adapter	3" TRIM-KUT Discs	25	59326 •
Adapting Nuts	4-1/2" TRIM-KUT Discs	1	56485
Spanner Wrench	Item No. 56485 only	1	56496 •

Non-stock product, contact Customer Service for lead times







NOTE

If you are using a blending disc or TRIM-KUT Disc, ask our Application Engineering Department if Weiler's BobCat Abrasive Flap Discs can enhance your productivity. BobCats dramatically outperform blending and TRIM-KUT Discs by reducing changeovers and providing consistently high cut rates and extended life. See page 33 for more information.

Key:



Performance line Industrial Grade



Removing burrs from the inside diameter of a cut tube.

COATED ABRASIVE FLAP WHEELS



Weiler's abrasive flap wheels are designed with a solid hub construction that enables wheels to be rated at higher RPMs and provide more aggressive cutting action and increased productivity. They provide perfect balance leading to smooth, chatter-free finishing.

Applications

- Internal diameter cleaning
- Finishing metal surfaces
- Deburring machined parts

Diameter

- · Cleaning and reconditioning pipe threads
- · Polishing, blending & finishing
- Prepping surface for painting or plating

Max. RPM

Standard Pack

Edge blending





TIGER® MOUNTED FLAP WHEELS - 1/4" Stem - Aluminum Oxide

Width

A premium line designed to provide long life. Ideal for medium to high production environments.

Grit Size



Item Number

1"	1"	60	30,000	10	52003
		80			52004
		120			52005
1-1/2"	1"	60	25,000	10	52009
		80			52010
		120			52011
2"	1/2"	60	25,000	10	52366
		80			52367
2"	1"	60	25,000	10	52015
		80			52016
		120			52017
2-1/2"	1"	60	23,000	10	52486
		80			52487
3"	1/2"	60	23,000	10	52024
		80			52025
3"	1"	60	23,000	10	52027
		80			52028





TIGER MOUNTED FLAP WHEELS - 1/4"-20 Threaded Stem - Aluminum Oxide

A premium line designed to provide long life. Ideal for medium to high production environments.

120



52029







TIGER UNMOUNTED FLAP WHEELS - Aluminum Oxide

Diameter	Width	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number
6"	1"	1"	60	6,000	5	53286
			80			53287
6"	2"	1"	60	5,700	3	53326 •
			80			53327

Non-stock product, contact Customer Service for lead times

NOTE

- Drive arbor is used individually and must be ordered individually.
- Drive arbor is to be used with Weiler flap wheels only.
- Stems must be fully chucked before using and should not be run above the maximum RPM listed.









GREAT VALUE AT THE RIGHT PRICE

Wolverine Flap Wheels offer a high cut rate at a cost-effective price. The smart option for use in medium production environments.

APPLICATIONS

- Internal diameter cleaning
- Finishing metal surfaces
- Deburring machined parts
- Cleaning and reconditioning pipe threads
- · Polishing, blending & finishing
- Prepping surface for painting or plating
- Edge blending

WOLVERINE® 1/4" STEM MOUNTED FLAP WHEELS

Provide fast cutting action at a value price. Ideal for low to medium production environments.

					Item Number
Diameter	Width	Grit Size	Max. RPM	Standard Pack	Aluminum Oxide
5/8"	5/8"	40	30,000	10	30711
		60			30712
		80			30713
3/4"	3/4"	40	30,000	10	30715
		60			30716
		80			30717
1"	1"	40	30,000	10	30719
		60			30720
		80			30721
		120			30722
1-1/2"	1"	40	25,000	10	30771
		60			30772
2"	1"	40	25,000	10	30732
		60			30723
		80			30724
		120			30725
2-1/2"	1"	40	23,000	10	30778
3"	1"	40	23,000	10	30729
		60			30726
		80			30727
		120			30728











WOLVERINE 1/4"-20 THREADED STEM MOUNTED FLAP WHEELS

Provide fast cutting action at a value price. Ideal for low to medium production environments.

					Item Number
Diameter	Width	Grit Size	Max. RPM	Standard Pack	Aluminum Oxide
1"	1"	60	30,000	10	30745
		80			30746
2"	1"	60	25,000	10	30737
		80			30738
3"	1"	60	20,000	10	30735
		80			30736



DRIVE ARBOR - For 1/4"-20 Mounted Flap Wheels

Thread Size Adapted Size		Standard Pack	Item Number	
1/4"-20	1/4"	5	07756	



METAL ADAPTERS - For Unmounted Flap Wheels. Used in pairs and priced per pair.

Wheel Arbor Hole Size	Adapted Arbor Hole Size	Standard Pack	Item Number
1"	1/2"	1	03833
	5/8"		03834
	3/4"		03835 •







Polishing the O.D. of a part turning in a lathe.

COATED ABRASIVE SHOP ROLLS

Weiler's Shop Rolls are resin over resin bonded - providing a stronger, heat and moisture resistant bond that better utilizes the abrasive grains. The cotton cloth provides a tougher, durable backing for longer life. J-flex cloth provides a higher degree of flexibility to conform to contoured parts.

APPLICATIONS

- Off-hand polishing of metal surfaces
- Off-hand deburring
- General purpose machine shop use

Roll Width

1"

Cleaning stock that is being turned in a lathe

TIGER® SHOP ROLLS - Aluminum Oxide - 50 Yards. One roll per box.

Grit Size

50 60

		80		65206
		100		65207 •
		120		65208
		150		65209 •
		180		65210 •
		240		65212 •
		320		65213
1	1-1/2"	60	1	65218
		80		65219
		100		65220
		120		65221
		150		65222
		180		65223
		240		65225
		320		65226
	2"	60	1	65231
		80		65232
		100		65233
		120		65234
		150		65235
1		180		65236
		240		65238
		320		65239

Standard Pack

Item Number 65204

65205

NOTE

Use light machine oil with shop rolls as a lubricant for finer finishes and quicker cut.



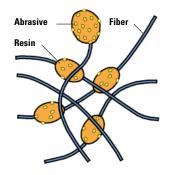


Non-stock product, contact Customer Service for lead times



The various grades of non-woven 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 ferrous and non-ferrous metals, ceramics, plastics, composites, and wood. 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

UNITIZED WHEELS









UNITIZED WHEELS - Designed for use on die grinders and are ideal for a variety of cleaning, finishing, deburring and edge blending applications.



Non-stock product, contact Customer Service for lead times

MANDRELS



Stem Diameter	For Wheel Diameter	For Wheel Thickness	Standard Pack	Item Number
1/4"	2" - 3"	1/2"	1	07761
	1"	1"	1	07764 •
	2" - 3"	1/8" - 1/4"	10	56489

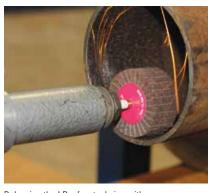
[·] Non-stock product, contact Customer Service for lead times

INTERLEAF FLAP WHEELS

Interleaf Flap Wheels provide a combination of non-woven and coated abrasive material to produce a very conformable product compared to a standard coated abrasive flap wheel. They are designed to be a finishing and surface blending tool as compared to a material-removing coated abrasive flap wheel. They are ideal for producing satin or decorative finishes on irregular or contoured surfaces.

APPLICATIONS

- General decorative finishing
- Applying satin finishes
- · Producing antique finishes
- Final sandings
- Soft metal finishing
- Removing oxides from precious metals
- Fine burr removal



Deburring the I.D. of a steel pipe with an interleaf flap wheel.



54500



54510

P STEM-MOUNTED INTERLEAF FLAP WHEELS - Aluminum Oxide

Diameter	Face Width	Grit Size	Stem Size	Max. RPM	Standard Pack	Item Number
2"	1"	120	1/4"	13,700	10	54500
		180				54501
		320				54502
3"	1"	120	1/4"	8,600	5	54506
		180				54507
		320				54508
3"	2"	120	1/4"	8,600	5	54509
		180				54510
		320				54511

HAND PADS

Industrial Grade:

- Producing satin finishes on aluminum and stainless steel
- Light deburring
- Surface preparation
- Blending light scratches

Commercial Grade:

- Cleaning and removing stains from stainless steel
- Removing rust, corrosion and oxidation



Polishing a rail axle journal with a non-woven hand pad.

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
	•	,	Industrial Grade		
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
			Commercial Grade		
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)	60	51458
			20% thicker than Standard Duty		





Finishing the surface for a stainless steel part for the food service industry.

SURFACE CONDITIONING DISCS

Surface Conditioning Discs have an open construction, scrim reinforcement and a superior resin system. These features minimize loading, heat build-up, fraying of disc edges, grain shedding and extend disc life, providing superior performance.

APPLICATIONS

- Light deburring
- Surface preparation
- Blending light scratches
- Removing rust, corrosion and oxidation
- Cleaning and removing stains from stainless steel
- Producing satin finishes on aluminum and stainless steel





TYPE R HUB STYLE DISCS - General Purpose Compatible with 3M Roloc[™] back-up pads.





01002
51533

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



TYPE R HUB STYLE BACK-UP PADS - 1/4" Stem

Diameter	Max. RPM	Standard Pack	Item Number
2"	30,000	1	51551
3"	20,000	1	51552

Do not exceed maximum RPM of back-up pad.



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

Non-stock product, contact Customer Service for lead times



HOOK & LOOP STYLE BACK-UP PADS

Diameter	Arbor Hole or Stem Size	Max. RPM	Standard Pack	ltem 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



SOLUTIONS SHOWCASE

TUBE END DEBURRING

Problem: Structural tubing is fabricated into an abundance of different forms. In order to facilitate safer handling and proper fit, the ends of the tubing must frequently be deburred.

Solution: Wide face crimped wire wheel brushes are an extremely effective solution for tube end deburring. Brushes can deburr the OD and ID of tubing at an extremely high rate and produce a media-cost-per-part of considerably less than \$0.01 per part.



GEAR DEBURRING

Problem: Power transmission components like gears cannot function properly when burrs prevent correct engagement. Further, burrs that become detached from gears can become lodged in critical transmission components causing premature wear and potential failure.

Solution: Knot wire wheel brushes with surface speed in excess of 6,000 SFPM are an excellent solution for deburring gears prior to heat treatment. The high energy filament tips are able to separate burrs from base material and produce a uniform edge break, which protects the edge of the gear.







Photos courtesy of On-Line Services

REMOVAL OF MILL SCALE

Problem: Mill processing of steel often involves heat treating and oil quenching operations that produce an adherent scale, which must be removed prior to joining or finishing operations.

Solution: Wire brushes are capable of quickly cleaning material to white metal and producing varying degrees of surface roughening to promote adhesion. Brushing operations are often preferred over blasting and chemical processes that generate an expensive waste stream and can be costly to operate and maintain.









INTER-PASS PIPELINE WELD CLEANING

Problem: To prevent voids and inclusions when welding multi-pass joints, the surface of each bead must be completely cleaned of slag and other residuals. Performing inter-pass weld cleaning as quickly and as thoroughly as possible is critical to avoiding costly repair work and delays.

Solution: Weiler's Roughneck® and Dually® stringer bead wheels have been engineered to maximize efficiency and minimize costs and are the preferred choice of welders' helpers on the pipeline. From hot pass to cap pass, these premium weld cleaning brushes excel at quickly and thoroughly removing slag, spatter, and oxidation without damaging the filler material.







CLEANING THREADED CONNECTIONS

Problem: The box ends of drill string and other oilfield tubular goods are examples of connections that must be periodically cleaned without altering the geometry of the threads. Abrasive products all remove base material to some extent and are capable of damaging threads, resulting in unreliable connections and the risk of potential failures.

Solution: The conformability and impact action of small diameter crimped wire wheels make them ideal tools for cleaning threads without fear of damage. When used on a high-speed die grinder, these radial wheel brushes quickly remove residual dope as well as rust, corrosion and scale from male or female thread ends.







REMOVAL OF EXCESS MOLDED RUBBER

Problem: Mechanical rubber components such as motor mounts are produced through a process that commonly leaves flash and excess rubber on critical surfaces. In order for the component to function properly, this unwanted material must be removed.

Solution: The non-loading nature of wire brushes makes them the best available solution in the marketplace for removal of rubber from targeted surfaces. This solution can be implemented off-hand or using automated equipment.

SELECTING THE RIGHT BRUSH

SELECTION BY TOOL	Crimped Wheels	Knot Wheels	Crimped Cups	Knot Cups	Crimped Stem-Mtd. Wheels	Knot Stem-Mtd. Wheels	Crimped Stem-Mtd. End	Knot Stem-Mtd. End	Encap- sulated Brushes	Power & Hand Tube Brushes	Mini Brushes
Right Angle Grinder	V	~	V	V					V		
Straight Grinder	V	V			V	V	V	V	V		
Die Grinder	V	V			V	V	V	V	V		
Corded/Cordless Hand Drill					V	V	V	V		V	
High Speed Pencil Grinder											V
Bench/Pedestal Grinder	~	V							~		
Drill Press					V	V	V	V		V	
CNC/Milling/ Automatic Machine	~	~	~	~	~	~	~	~	~	~	

WIRE SIZE To maximize brush life and reduce costs, always use the finest wire that will accomplish the job without requiring excessive applied pressure or engagement with the brush face.

Wire	Coarse		Medium	to Coarse	Med	lium	Fir	ie	Very	Fine
Gauge #	20	24	25	30	33	34	35	38	43	47
Dia. in Inches	.035	.023	.020	.014	.0118	.0104	.0095	.008	.006	.005
Dia. in Millimeters	0,89	0,58	0,51	0,36	0,30	0,26	0,24	0,20	0,15	0,13

Wire sizes in decimals of an inch are shown in all tables throughout this catalog. American Steel Wire Equivalent Gauge (Formerly Washburn & Moen)

LARGE DIAMETER WIRE

- Aggressive brushing action
- Fatigues and breaks more quickly

SMALL DIAMETER WIRE

- Resists fatigue and breakage
- Less aggressive
- Flexible brushing action

CRIMPED VS. KNOT WIRE

CRIMPED WIRE BRUSHES:



- Wire is crimped to allow individual filaments to support each other.
- Provide flexibility for light/medium duty applications.
- Use on parts that could be damaged by the impact of a knot brush.
- Use for a broad range of applications.

KNOT WIRE BRUSHES:



- Straight wire filaments that are twisted as a single unit like a piece of cable or wire rope.
- Provide less flexibility and more aggressive brushing action in heavy-duty applications.
- Use on parts requiring high-impact action.
- Use to remove large burrs and heavy contamination, such as multiple layers of rust, scale, paint or oxides.

KNOT TWIST CONFIGURATIONS



Provides some flexibility for use on irregular surfaces. Sharp wire tips make this knot aggressive right from the start.



Provides smoother operation but sacrifices much of the cleaning action.



CABLEProvides very aggressive brushing action. Sharp wire tips make this knot aggressive right from the start.



STRINGER BEAD High-impact action, primarily for weld cleaning. Sharp wire tips make this knot aggressive right from

the start.

TRIM LENGTH & FILL DENSITY

To maximize brush life and reduce costs, always use the shortest trim, highest density brush that will adequately conform to the surface or part edges.

LONG TRIM, LOW DENSITY BRUSHES

- Flexibility that is ideal for applications such as cleaning surfaces that are somewhat irregular
- Lower fill density can result in shorter brush life and less consistent performance in production environments.

SHORT TRIM, HIGH DENSITY BRUSHES

- Less flexible and faster action requires less applied pressure
- Consistent performance and longer life





POLYFLEX® ENCAPSULATED

These brushes are suitable for extremely demanding applications that do not require a high degree of conformability. They are especially well-suited for users with the following types of requirements:

Extreme brushing pressure - Encapsulation protects wires from over-flexing and extends brush life relative to conventional knot and crimped wire brushes.

Severe cleaning operations - Encapsulation holds the wire tips rigidly in place and creates the most aggressive brushing action that can be achieved with a wire brush.

BURGUNDY (STANDARD)



General purpose elastomer; suitable for most manufacturing applications.

ORANGE (HEAVY-DUTY)



A more heavy-duty elastomer than burgundy; used for more demanding applications.

BLACK (EXTRA HEAVY-DUTY)



A heat stabilized elastomer that does not wear easily; used primarily for cleaning welds.

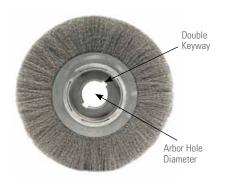
ARBOR HOLE VARIATIONS

FOR WEILER PERFORMANCE LINE WHEELS

If an arbor hole size other than the size listed in the product table is required, change the last digit of the Item Number as indicated in the Table.

Arbor Hole Diameter	Arbor Hole Features	Change Last Digit of Item # To:
1/2"-3/8"	Plastic Snap-Out Adapter	4
5/8"-1/2"	Plastic Snap-Out Adapter	5
5/8"-11 UNC	Threaded Nut (6", 7" & 8" Wheels Only)	6
5/8"	3", 4" & 6" Wheels Only	7
3/4"	_	8
7/8"	_	0 - 11
1"	1/4"*x 1/8"+ double keyway	0 - 12
1-1/4"	5/16"*x 5/32"+ double keyway	9
1-1/2"	3/8"*x 3/16"+ double keyway	0 - 13
1-3/4"	3/8"*x 3/16"+ double keyway	0 - 16
2"	1/2"*x 1/4"+ double keyway	0 - 14
2-1/4"	3/4"*x 3/8"+ double keyway	0 - 17
2-1/2"	1/2"*x 1/4"+ double keyway	0 - 15

^{*} Width of keyway



Example: Item Number 01228 has a listed, standard size arbor hole of 3/4". If an 1-1/4" arbor hole is desired, drop the 8 from 01228 and add 9. The Item Number becomes 01229. If a 2" arbor hole is desired, drop the 8 from 01228 and add 0-14. The Item Number becomes 01220-14.

⁺ Depth of keyway

PRODUCT ADVANTAGES

PRODUCT LINE STRUCTURE

P PERFORMANCE LINE (INDUSTRIAL GRADE)

Engineered and manufactured to maximize performance and minimize operating costs in the most demanding surface conditioning applications. The use of superior construction, the highest quality materials and the most stringent manufacturing processes deliver the lowest cost-of-use and most consistent performance in heavy production environments.

VALUE LINE (PROFESSIONAL GRADE)

Weiler's value line is manufactured using similar product construction and the same exacting standards as other Weiler power brushes, but engineered to provide cost-effective use in less demanding environments. Wolverine™ brushes (Formerly Vortec Pro®) are an economical choice for the construction trades, low volume production shops and light duty industrial MRO use.

OPERATIONAL ADVANTAGES

POWER BRUSHES DO NOT REMOVE BASE MATERIAL

- The impact action of the wire tips of a rotating brush behave in the same manner as the media in a blasting operation and they have the same ability to separate surface contaminants without damaging the substrate.
- Due to its compliant nature, a power brush is the ideal tool for removing burrs and blending sharp edges without changing overall part dimensions after sawing, cutting, grinding and machining operations.

Grinding Wheel



Wire Wheel



POWER BRUSHES DO NOT LOAD

Unlike bonded, coated and non-woven abrasive products, power brushes will not load when used on softer materials or when removing paint or similar coatings from a harder surface. Because a power brush consists of a collection of individual wire filaments, there is no place for debris to accumulate and prevent the sharp wire tips from striking the work.

Resin Fiber Disc



Wheel Brush



POWER BRUSHES ARE SELF-SHARPENING

As a power brush is used, the wire tips will naturally tend to wear to a point due to contact with the working surface. It is possible to take advantage of this self-sharpening action by periodically switching the mounting position of wheel brushes to maintain their speed and effectiveness.

WEILER SUPERIOR CONSTRUCTION





WEILER'S SOLID RING CONSTRUCTION

Our crimped wire brushes are constructed using solid rings to retain the fill material and our manufacturing process results in an even, consistent distribution of wire strands around the entire brush diameter. This ensures that our crimped wire products run smoother and last longer than the competition – even in the toughest applications.



WEILER'S INDIVIDUAL KNOT HOLE CONSTRUCTION

Weiler's knot wheels are constructed with an internal steel plate that has equally spaced individual holes around the perimeter. Wire is inserted through each hole and twisted into a knot. Each hole has precisely the same wire count, thereby assuring perfect balance. This eliminates vibration, reduces operator fatigue and increases brush life.



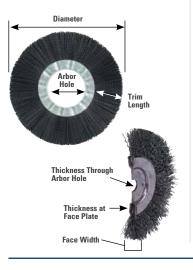


WEILER'S ROUGHNECK® WELD CLEANING BRUSH CONSTRUCTION

Each knot is twisted through its own hole and locked into an individual sprocket tooth. This prevents the knots from moving, providing a stronger striking action on the work surface, longer brush life and less operator fatigue. This results in the most aggressive weld cleaning in the market with the lowest cost-per-piece brushed.

PRODUCT CHARACTERISTICS

WHEEL BRUSH



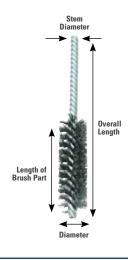
CUP BRUSH



END BRUSH



TUBE BRUSH



FILL MATERIALS



Steel Wire - Carbon steel wire is the most durable power brush fill material for metalworking and heavyduty cleaning applications. Weiler industrial grade brushes utilize heat treated, high tensile steel wire that has been drawn to the most exacting industry standards for superior fatigue resistance and aggressive brushing action. Vortec Pro® professional grade brushes utilize more cost-effective grades of steel wire to deliver reliable performance in less demanding applications.



Stainless Steel Wire - Stainless steel wire is only recommended when brushing corrosion-resistant or non-ferrous metals such as stainless or aluminum or when the brush is being used in a wet environment. Stainless steel wire is not any more durable or aggressive than the highest grades of steel wire. All Weiler stainless steel brushes are manufactured with Type 302 stainless wire, but select items are also available with Type 316 wire by special order.



Non-Ferrous Wire - Brass, bronze and aluminum wire are available in assorted Weiler industrial grade power brush items. These non-ferrous materials will not generate a spark in use, but they lack the durability of carbon steel and stainless steel wire. Due to their soft brushing action, these materials may also be used in special applications such as decorative finishing.



Animal Hair - Natural hair bristle is used primarily in miniature power brushes for scratch-free cleaning and polishing. Depending on the animal species and type of hair, this fill material can range from relatively stiff to relatively soft, making it suitable for a variety of applications from removing dust from optical lenses to buffing precious metals using abrasive compounds.



Vegetable Fiber - Tampico, a natural fiber produced from the Mexican agave plant, is a common natural fill material used in wet scrubbing and cleaning applications as well as buffing and polishing metals. It is heat, alkali and acid resistant. Its natural color is offwhite but it may be dyed or bleached.



Synthetic - Nylon is typically the most durable synthetic bristle material for use in power brushes and can be used in a variety of applications due to its flexibility, high fatigue strength and resistance to abrasion, heat, acids and alkali. Polypropylene is less durable and used primarily in strip brushes.

STAINLESS STEEL BRUSHES

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 crosscontamination and "after rust" issues. Type 302 is widely used in the manufacture 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. The use of a different grade of stainless steel wire is typically required in critical weld preparation and cleaning applications, but it will not address "after rust" and other cross-contamination issues. To insure the corrosion resistance of any stainless steel surface after brushing, passivating it with a 10-20% solution of nitric acid is recommended.

WORK SAFER WITH PROPER BRUSH USAGE

Weiler products are designed and manufactured to the strictest standards to ensure the highest level of quality and safety. But safety doesn't stop there; raising awareness of basic safety practices and thinking about safety before the job starts — and after the job is complete — can help curb accidents and injuries in the shop. That's why Weiler offers customers a Safety Training Program based on the **SPOT (Speed & Size, Pressure, Orientation, Time)** methodology to help promote safe and proper product usage.

Deploying our **SPOT Safety Training Program** in your facility helps improve safety, regardless of your application or work environment.



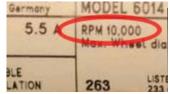
For **SPOT Safety Training** contact your Weiler representative.

SPEED & SIZE

- Power brushes, operate most effectively when the speed and pressure of the operation are properly matched to the demands of the application. In most operations, the highest speed and lightest pressure will ensure the fastest brushing action and longest brush life.
- Increasing brush speed increases the face hardness and brushing action; therefore, a fine wire brush rotating at a higher speed will often produce the same results as a coarser wire brush rotating at a slower speed. Finer wire operating at a higher speed is generally preferred and will provide a longer brush life.
- MSFS Maximum Safe Free Speed (RPM) is the maximum speed at which the brushes may be used safely but is not necessarily the optimum speed for a given application. Operating speed should be determined by the application. When running a wire

brush, a rule of thumb is to run it a "mile a minute" or a minimum of 5,000 Surface Feet Per Minute (SFPM). However, never exceed the Maximum Safe Free Speed of the brush.

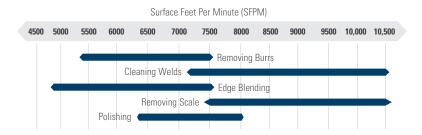
 Make sure spindle size and motor of machine are large enough to accommodate the diameter of brush to be used (see table on pg. 55).





Match the RPM rating of the power brush to the tool being used. The RPM of the tool should never exceed the RPM of the power brush.

RECOMMENDED SURFACE SPEEDS FOR BRUSHING APPLICATIONS



 $\overline{\text{SFPM} = \pi \text{ Dia. (Inches) x RPM}}$

SURFACE SPEEDS (PERIPHERAL SPEED IN FT./MIN.)

	Diameter (Inches)										
RPM	2	3	4	6	8	10	12	15			
1000 1500 1750 2500 3000 3450 4000 6000 10,000 15,000 20,000	525 785 915 1,300 1,575 1,800 2,100 3,125 5,250 7,850 10,450	785 1,175 1,375 1,950 2,350 2,700 3,150 4,700 7,850 11,775 15,700	1,050 1,575 1,850 2,625 3,125 3,600 4,175 6,275 10,500 15,750 20,950	1,575 2,350 2,750 3,925 4,725 5,400 6,275 9,425	2,100 3,150 3,650 5,250 6,275 7,200 8,375 — —	2,625 3,925 4,550 6,550 7,850 9,000 10,475 — —	3,150 4,725 5,500 7,850 9,425 11,000 - - - -	3,925 5,900 6,800 9,825 11,775 13,500 — — —			

Example: A 6" diameter wheel running at 3,450 RPM has a surface speed of 5.400 SFPM.

MINIMUM RECOMMENDED SPINDLE DIAMETER (From ANSI Standard B165.1)

Outside Dia. of Wheel Brush	Maximum Face Width of Wheel Brush	Minimum Outside Dia. of Spindle (Shaft)
2"	1/4"	1/4"
3"	3/4"	1/4"
3" (heavy-duty)	1"	3/8"
4"	1"	3/8"
6"	1-1/4"	1/2"
8"	1-1/4"	5/8"
10"	2"	3/4"
12"	3"	1"
14"	3"	1-1/4"
15"	3"	2"
16"	3"	2"

Note: These diameters are based on the wheel brush being mounted next to the supported end of the shaft rather than the unsupported end in order to minimize overhang.

RECOMMENDED MOTOR SIZES

(Based on 1" Brush Face)

Brush Diameter	Motor Size	RPM
4"	1/4 HP	3,450
6"	1/2 HP	3,450
8"	3/4 HP	3,450
10"	1 HP	1,750
12"	1 HP	1,750
15"	1-1/2 HP	1,750

PRESSURE

Avoid excessive pressure when using a wire brush. Excessive pressure causes over-bending of the filaments and heat build-up resulting in filament breakage, rapid dulling and reduced brush life.

INSTEAD OF GREATER PRESSURE, TRY:

- A brush with more aggressive action (increase filament diameter, decrease trim length, different brush type, i.e.; knot type instead of crimped type.
- Higher surface speed (increase RPM or brush diameter)

Never exceed the recommended Maximum Safe Free Speed or RPM rating of the brush.



CorrectWire Tips Doing the Work



Incorrect
Excessive Pressure Causes Wire
Breakage

ORIENTATION

WORKING ANGLE BY BRUSH TYPE

Never stray more than 15° from the suggested working angles of the brush configurations below.



WHEEL +/- 15°



CUP +/- 15°



BEVEL +/- 15°

TIME

Reduce the time it takes to get the job done by choosing the most appropriate product configuration. (See page 53 for product selection information.)

SELF-SHARPENING OF WIRE WHEEL BRUSHES

When using wire wheel brushes without nuts, periodically reverse the direction of rotation to take advantage of the self-sharpening action that will result. Remove the brush from the spindle, flip the wire brush 180° and remount the brush securely.





Remount Securely

POWER BRUSH TROUBLESHOOTING GUIDE

There are many variables in power brush applications. If the power brush you are using does not accomplish the desired results, select a solution from the suggestions below for your specific application or call Weiler's Application Engineering Hotline at 888-299-2777.

Problem	Recommended Solutions
Brush works too fast	Select a brush with longer filaments and/or lower fill density
	Select a brush with a smaller diameter wire
	Select a brush with a narrower face and/or lower fill density
	Select a brush with a smaller outside diameter
	Operate the brush at a slower RPM
Brush works too slowly	Select a brush with shorter filaments and/or higher fill density
	Select a brush with a larger diameter wire
	Select a brush with a wider face and/or higher fill density
	Select a brush with a larger outside diameter
	Operate the brush at a faster RPM
Brushing action rolls or peens the burr over	Select a brush with a larger diameter wire
instead of removing burr	Select a brush with shorter filaments and/or higher fill density
	Operate the brush at a faster RPM
	Replace the crimped wire brush with a knot wire brush
Finer final finish required	Select a brush with longer filaments
	Select a brush with a smaller diameter wire
	Operate the brush at a higher RPM
	Replace the wire brush with a nylon abrasive brush (Nylox _®)
Coarser final finish required	Select a brush with shorter filaments
	Select a brush with a larger diameter wire
	Operate the brush at a slower RPM
Non-uniform brushing action	Select a brush with longer filaments
	Select a brush with a larger diameter wire
	Automate the operation to reduce human variables
Filaments break off	Reduce applied pressure or engagement
	Select a brush with a smaller diameter wire
	Select a brush with a lower fill density
Short brush life	Reduce applied pressure or engagement
	Select a brush with a smaller diameter wire
	Select a brush with a higher fill density

NEED HELP?

Call our Application Engineering Hotline at 888-299-APPS (2777). If the problem is too complex to be solved over the phone, we will determine if an evaluation should be conducted at our in-house lab or your facility. Either way, Weiler will provide the most cost-effective solution for your specific application.

KNOT WIRE WHEELS WITH ARBOR HOLE

Knot wire wheels with arbor holes are intended for use on straight grinders and stationary machines such as bench or pedestal grinders and buffing lathes. Featuring Weiler's individual knot hole construction, these radial brushes are available in heat-treated steel, Type 302 stainless steel, and bronze wire for use in a wide variety of applications.

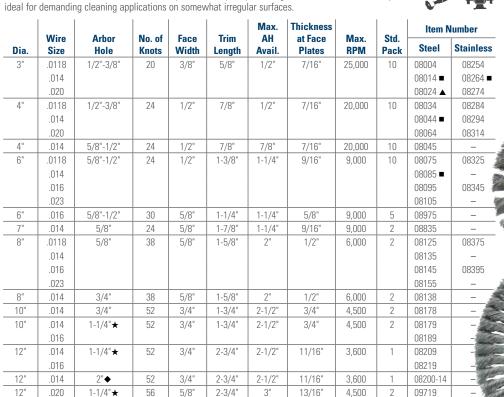
APPLICATIONS

- Removing rust, scale and heavy corrosion
- Surface roughening and preparation
- Coating removal
- Removing excess molded rubber or plastic
- Heavy deburring



Removing rubber coating from a hydraulic hose.







2"◆

66

12"

◆ 1/2" x 1/4" Double Keyway ■ Packaged product available. See pages 136-139 for details.

3/4"

2 ▲ Available in non-sparking bronze wire, see page 92-93 for detail

09870

5.000



3"

13/16"

2-1/4"





WOLVERINE® STANDARD TWIST WHEELS provide aggressive brushing action for general-purpose surface cleaning applications.

							Max.	Thickness			Item N	lumber
D	ia.	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	AH Avail.	at Face Plates	Max. RPM	Std. Pack	Steel	Stainless
- 3	3"	.014	1/2"-3/8"	20	3/8"	3/8"	1/2"	7/16"	25,000	10	36290	_
	1"	.014	1/2"-3/8"	20	5/8"	7/8"	1/2"	9/16"	20,000	10	36226 •	_
		.014		24							_	36293
	3"	.014	5/8"-1/2"	24	1/2"	1-1/4"	5/8"	9/16"	9,000	10	36227	_
	3"	.014	5/8"	34	9/16"	1-5/8"	5/8"	1/2"	6,000	2	36228 •	_
		.023		38							36279	- 3

• Non-stock product, contact Customer Service for lead times

NOTE

If a different arbor hole is required (than listed in the tables) refer to Arbor Hole Table shown on Pg. 51.





Diameter	Wire Size	Arbor Hole	Face Width	Trim Length	Thickness at Face Plates	Max. RPM	Standard Pack	Item Number Steel
				80 KNOTS				
14"	.0118	1-1/4"★	3/4"	2-1/2"	5/8"	5,000	2	08309
	.0118	2"◆						08300
	.014	1-1/4"★						08319
Ē,	.014	2"◆						08310
Ã.	.020	1-1/4"★						08339
di B	.020	2"◆						08330
15"	.014	2"◆	3/4"	3"	5/8"	5,000	2	09980
	.020	2"◆						09990
				90 KNOTS				
14"	.014	2"◆	3/4"	1-1/2"	5/8"	5,000	2	09020*
	.016	2"◆						09790
	.016	1-1/4"★						09799
	.020	2"◆						09800
	.020	1-1/4"★						09809
	.020	1-1/4"★						09049*
15"	.020	2"◆	3/4"	2"	5/8"	5,000	2	09840
	.020	2"◆						09080*



STANDARD TWIST WHEELS - Two Section - Provide heavy-duty brushing action with some flexibility; feature a double row of knotted wire for a wider brush face.

★ 5/16" x 5/32" Double Keyway ◆ 1/2" x 1/4" Double Keyway * Economy • Non-stock product, contact Customer Service for lead times



				_		Thickness			Item
	Wire	Arbor	No. of	Face	Trim	at Face	Max.	Standard	Number
Diameter	Size	Hole	Knots	Width	Length	Plates	RPM	Pack	Steel
3"	.0118	1/2"-3/8"	40	3/4"	5/8"	3/4"	22,000	5	09104
4"	.0118	1/2"-3/8"	48	3/4"	7/8"	3/4"	20,000	5	09134
6"	.0118	2"	60	7/8"	1-3/8"	7/8"	8,000	5	09160
	.016								09180
8"	.0118	2"	76	1"	1-5/8"	1"	6,000	1	09410
	.016								09430
	.023								09440
10"	.0118	2"	104	1-1/4"	1-3/4"	1-1/4"	4,500	1	09460
	.016								09480
	.023								09490
12"	.0118	2"	104	1-1/4"	2-3/4"	1-1/4"	3,600	1	09510
	.016								09530
	.023								09540

See Metal Adapters on page 66 for brushes with 2" arbor holes.



STANDARD TWIST WHEEL - Four Section - Featuring four rows of knotted wire; for use in automated cleaning processes such as removing light mill scale from metal rod and wire.

	Wire	Arbor	No. of	Face	Trim	Thickness at Face	Max.	Standard	Item Number
Diameter	Size	Hole	Knots	Width	Length	Plates	RPM	Pack	Steel
12"	.014	2"	208	2"	2-3/4"	1-3/4"	3,600	1	94000

See Metal Adapters on page 66 for brushes with 2" arbor holes.

 $\textbf{CABLE TWIST WHEELS} \ \ \textbf{provide maximum brushing action with minimal flexibility;}$ ideal for demanding cleaning and coating removal applications on relatively smooth surfaces.

	Wire	Arbor	No. of	Face	Trim	Max. AH	Thickness at Face	s Max.	Max.		Item Number		
Dia.	Size	Hole	Knots	Width	Length	An Avail.	Plates	RPM	Pack	Steel	Stainless		
4"	.020	1/2"-3/8"	24	1/4"	7/8"	1/2"	7/16"	20,000	10	08534 ■	_		
6"	.023	5/8"-1/2"	24	3/8"	1-3/8"	1-1/4"	9/16"	9,000	10	08565 ■	08695*		
8"	.023	5/8"	38	1/2"	1-5/8"	2"	1/2"	6,000	2	08615	_		
10"	.023	3/4"	52	1/2"	1-3/4"	2-1/2"	3/4"	4,500	2	08878	_		
		1-1/4"★								08879	_		
12"	.023	1-1/4"★	52	7/16"	2-3/4"	3"	3/4"	3,600	2	09379 •	_		



- Packaged product available. See pages 136-139 for details.



*Standard Pack 2

★ 5/16" x 5/32" Double Keyway



Non-stock product, contact Customer Service for lead times

CABLE TWIST WHEEL - Four Section - Featuring four rows of tightly knotted wire; for use in demanding automated applications such as cleaning the OD of drill pipe and other oilfield tubular goods.

	Wire	Arbor	No. of	Face	Trim	Max. AH	Thickness at Face	Max.	Std.	Item Number
Dia.	Size	Hole	Knots	Width	Length	Avail.	Plates	RPM	Pack	Steel
10"	.023	2"	208	1-3/4"	1-3/4"	2"	1-7/8"	4,500	1	94008



JOINT & CRACK CLEANING WHEELS feature heavy-duty construction and an extra long trim length for cleaning expansion joints and cracks in concrete and asphalt.

Dia.	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Thickness at Face Plates	Max. RPM	Standard Pack	Item Number Steel	4
10"	.035	1" with two drive holes*	38	3/8"	2-5/8"	1/2"	5,000	2	94199 •	9
12"	.035	1" with two drive holes*	38	3/8"	3-5/8"	1/2"	5,000	2	94224	9
12"	.035	1" with two drive holes*	52	3/8"	2-3/4"	3/4"	6,000	2	94026	ģ

 $[\]mbox{\ensuremath{^{\bigstar}}}$ Drive holes are 3/8" diameter with 1/4" x 1/8" double keyway.

ADAPTER for mounting Joint & Crack Cleaning Wheels onto a 20mm arbor.

For Brush Arbor Hole Size	Adapted Arbor Hole Size	Standard Pack	Item Number
1"	20mm	10	04455



Cleaning a crack on an airport runway with a joint & crack cleaning brush prior to filling.



NOTE

If a different arbor hole is required (than listed in the tables) refer to Arbor Hole Table shown on Pg. 51.







[·] Non-stock product, contact Customer Service for lead times



Cleaning a corner weld with a bevel brush.

KNOT WIRE WHEELS WITH NUT

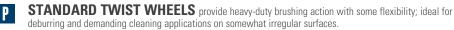
Knot wire wheels with a threaded nut are intended for use primarily on small and large right angle grinders. Featuring Weiler's individual knot hole construction, these radial brushes are available in heat-treated steel, Type 302 stainless steel and bronze wire for use in a wide variety of applications.



APPLICATIONS

- Removing powder-coating, epoxy-based paints, and rubberized coatings
- Weld preparation and cleaning
- Cleaning scale and heavy corrosion
- Removing heavy burrs from large pieces after cutting





0												
	Wire	Arbor	No. of	Face	Trim	Max.	Std.	Item I	Number			
Dia.	Size	Hole	Knots	Width	Length	RPM	Pack	Steel	Stainless			
3"	.014	3/8"-24 UNF	20	3/8"	5/8"	25,000	5	13201	13208 •			
4"	.014	M10 x 1.25	24	1/2"	7/8"	20,000	5	13100 •	13107 •			
		M10 x 1.50						13101 •	13108 •			
		M14 x 2.0						13102	13109 •			
		3/8"-24 UNF						13103	13110			
		1/2"-13 UNC						13105	_			
		5/8"-11 UNC						13106 ■	13113 ■			
4"	.020	M10 x 1.25	24	1/2"	7/8"	20,000	5	13114 •	_			
		M10 x 1.50						13115 •	_			
		M14 x 2.0						13116 •	_			
		3/8"-24 UNF						13117	_			
		1/2"-13 UNC						13119 •	_			
		5/8"-11 UNC						13120 ▲ ■	_			
6"	.016	5/8"-11 UNC	24	1/2"	1-3/8"	9,000	2	_	08346			
	.023						5	08106	_			

- Packaged product available. See pages 136-139 for details.
- ▲ Available in non-sparking bronze wire, see page 92-93 for details.
- Non-stock product, contact Customer Service for lead times



WOLVERINE® STANDARD TWIST WHEELS provide an aggressive brushing action for general purpose deburring, cleaning, and surface preparation applications.



	Wire	Arbor	No. of	Face	Trim	Max.	Std.	Item N	lumber
Dia.	Size	Hole	Knots	Width	Length	RPM	Pack	Steel	Stainless
4"	.014	5/8"-11 UNC	20	1/2"	7/8"	20,000	5	36212	36213
		M10 x 1.25						36215 •	_
		M10 x 1.50						36216 •	_
		M14 x 2.0						36217 •	_
6"	.025	5/8"-11 UNC	24	3/4"	1-1/4"	11.000	10	36224	_

Non-stock product, contact Customer Service for lead times



CABLE TWIST WHEELS provide maximum brushing action with minimal flexibility; ideal for demanding cleaning and surface preparation applications on relatively smooth surfaces.



		Wire	Arbor	Arbor Hole	No. of	Face	Trim	Max.	Std.	Item N	lumber
D	ia.	Size	Hole	Knots	Width	Length	RPM	Pack	Steel	Stainless	
	4"	.020	M10 x 1.25	24	1/4"	7/8"	20,000	5	13261 •	-	
			M10 x 1.50						_	13272 •	
			5/8"-11 UNC						13266 ■	13276	

■ Packaged product available. See pages 136-139 for details.



WOLVERINE CABLE TWIST WHEELS provide the most aggressive brushing action for general purpose cleaning and surface preparation applications.



Dia.	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Max. RPM	Std. Pack	Item Number
Dia.	3126	пин	KIIOI2	vviuui	Lengin	NEIVI	Fack	Steel
4"	.020	5/8"-11 UNC	20	1/4"	7/8"	20,000	5	36255
		M10 x 1.50						36257 •
		M10 x 1.25						36258 •

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

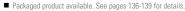
	Wire	Arbor	No. of	Face	Trim	Max.	Std.	Item N	lumber
Diameter	Size	Hole	Knots	Width	Length	RPM	Pack	Steel	Stainless
4"	.014	M10 x 1.25	20	3/8"	3/4"	12,500	1	13401 •	-
		M10 x 1.50						13402 •	_
		5/8"-11 UNC						13406	13416
4"	.020	M14 x 2.0	20	3/8"	3/4"	12,500	1	13423 •	-
		5/8"-11 UNC						13426	13436
4-1/2"	.014	5/8"-11 UNC	20	3/8"	1"	12,500	1	13456	13466
4-1/2"	.020	5/8"-11 UNC	20	3/8"	1"	12,500	1	13476	13486





THREADED ADAPTERS for mounting brushes with a 5/8"-11 UNC nut to other threaded spindles.

Fixed Thread Size	Adapted Thread Size	Standard Pack	Item Number
5/8"-11 UNC	M10 x 1.25	10	07771 ■
5/8"-11 UNC	M10 x 1.50	10	07772 ■
5/8"-11 UNC	3/8"-16 UNC	10	07769
5/8"-11 UNC	3/8"-24 UNF	10	07746





KNOT WIRE WHEELS WITH STEM



Knot wire wheels with a permanently attached 1/4" stem or shank are primarily intended for use on high-speed die grinders. Although they can also be mounted onto a drill, the speed and power of that tool will limit the effectiveness of the brush. Featuring Weiler's individual knot hole construction, these radial wheels are available in heat-treated steel and Type 302 stainless steel wire.

APPLICATIONS

- Removing powder-coating, epoxy-based paints, and rubberized coatings
- · Weld preparation and cleaning
- Cleaning scale and heavy corrosion
- Removing heavy burrs from large pieces after cutting

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

	Wire	No. of	Face	Trim	Max.	Standard	Item N	lumber
Diameter	Size	Knots	Width	Length	RPM	Pack	Steel	Stainless
3-1/4"	.0118	20	3/8"	5/8"	25,000	5	17680	_
	.014						17681 ■	17684
	.020						17682	_
4"	.0118	24	1/2"	7/8"	20,000	5	17686	_
	.014						17687 ■	17691
	.020						17689	_





"We get a competitive edge with Weiler because their prices are competitive but they last far longer."

- Jim Martin, Vice President, Karnel Incorporated









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

THE LIFE



13131



13124

ROUGHNECK. MAX



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
- **P**ROUGHNECK® MAX STRINGER BEAD WHEELS deliver 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.



■ Packaged product available. See pages 136-139 for details

ROUGHNECK.



S 18

09386

09396•



NOTE

If a different arbor hole is required (than listed in the tables) refer to Threaded Adapter Chart shown on Pg. 61. ROUGHNECK STRINGER BEAD WHEELS are 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

	100	A.1	NI	F	T.:	Thickness		0.1	Item I	Number
Diameter	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	at Face Plates	Max. RPM	Std. Pack	Steel	Stainless
				Roo	t Pass Bru	shes				
4"	.020	1/2"-3/8"	32	3/16"	7/8"	7/16"	20,000	5	13124	08954*
		M10 x 1.25							13125 ■	13132
		M10 x 1.50							13126	_
		M14 x 2.0							13127	13134
		3/8"-24 UNF							13128	13135
		1/2"-13 UNC							13130	13137
4-1/2"	.020	5/8"-11 UNC	38	3/16"	13/16"	3/8"	15,000	5	13232	13238
		7/8"							13234	13249
5"	.020	5/8"-11 UNC	38	3/16"	7/8"	3/8"	12,500	5	08756	08806
		7/8"							08750	_
6"	.020	5/8"-11 UNC	48	3/16"	1-1/8"	3/8"	12,500	10	08766 †	_
			38		1-3/8"	3/8"			_	08786+•
			56		1-1/8"	7/16"			09400 ■	09500
7"	.020	5/8"-11 UNC	56	3/16"	1-1/8"	7/16"	9,000	10	09000 ■	09200
			76						09100	-
				Fille	r Pass Bru	shes				
5"	.023	5/8"-11 UNC	24	1/2"	7/8"	3/8"	12,500	5	09856	09866
6"	.023	5/8"-1/2"	24	1/2"	1-3/8"	9/16"	12,500	10	08775	_
		5/8"-11 UNC	24	1/2"	1-3/8"	9/16"			08776 ■	08796•
		5/8"-11 UNC	30	1/2"	1-1/4"	5/8"			08916	08926•

1-3/8"

5/16"

■ Packaged product available. See pages 136-139 for details.

5/8"-11 UNC

[†] Light Duty • Standard Pack 5 * Standard Pack 10





- 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 feature a dual-hex nut design that simplifies periodic flipping of the wheel for maximum cleaning action, long life, and safer use.

Wire	Wina	Aubau	rbor No. of	No. of Face	Toise	Thickness	Max.	Ctoudoud	Item Number		
Diameter	Size	Hole	Knots	Width	Trim Length	at Face Plates	RPM	Standard Pack	Steel	Stainless	
				Roo	t Pass Bru	shes					
4-1/2"	.020	5/8"-11 UNC	38	3/16"	13/16"	3/8"	15,000	5	79801	79811	
5"	.020	5/8"-11 UNC	38	3/16"	7/8"	3/8"	12,500	5	79802	79812 •	
6"	.020	5/8"-11 UNC	56	3/16"	1-1/8"	7/16"	12,500	5	79805	79815	
7"	.020	5/8"-11 UNC	56	3/16"	1-1/8"	7/16"	9,000	5	79800	79810 •	
Filler Pass Brushes											
5"	.023	5/8"-11 UNC	24	1/2"	7/8"	3/8"	12,500	5	79803	79813 •	
6"	.023	5/8"-11 UNC	30	1/2"	1-1/4"	5/8"	12,500	5	79804	79814	



Non-stock product, contact Customer Service for lead times

POLYFLEX™ ENCAPSULATED WELD CLEANING WHEELS Black Elastomer*

Feature a heat-stabilized encapsulation that gradually wears away to expose a consistent short trim for higher aggression, controlled brushing action, and longer life; suitable for cleaning hot welds.

	Wire	Arbor	No. of	Face	Trim	Thickness at Face	Max.	Standard	Item Number
Diameter	Size	Hole	Knots	Width	Length	Plates	RPM	Pack	Steel
4"	.020	5/8"-11 UNC	32	3/16"	7/8"	7/16"	20,000	5	35800 ▲
6"	.014	5/8"-11 UNC	-	3/16"	1-7/16"	3/8"	9,000	5	35206 ♦
7"	.020	5/8"-11 UNC	56	3/16"	1-1/8"	7/16"	9,000	10	35600 ▲
	.014		_		1-15/16"	3/8"		5	35216 ♦ ▮

* See Elastomer Color Code Chart on page 51 for more information. ▲ Stringer Bead Wheels ◆ Crimped wire



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 WHEELS have upgraded to 32 knots to deliver 20% longer life. The 4" wheels are 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 cleaning applications.

	Wire	Arbor	No. of	Face	Trim	Thickness	Max.	Standard	Item I	Number
Diameter	Size	Hole	Knots	Width	Length	at Face Plates	RPM	Pack	Steel	Stainless
4"	.020	5/8"-11 UNC	32	3/16"	7/8"	7/16"	20,000	5	36218	36219

WOLVERINE STRINGER BEAD WHEELS are 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.

		Wire	Arbor	No. of	Face	Trim	Max.	Item N	umber
	Dia.	Size	Hole	Knots	Width	Length	RPM	Steel	Stainless
	5"	.020	5/8"-11 UNC	38	3/16"	7/8"	12,500	36295	36296
	6"	.020	5/8"-11 UNC	48	1/4"	1-1/4"	12,500	36225	_
				38	3/16"	1-3/8"		36307 †	_
_	7"	.020	5/8"-11 UNC	56	3/16"	1-1/8"	9.000	36297	_

† Light Duty



Removing heat discoloration from a stainless steel canister.

CRIMPED WIRE WHEELS WITH ARBOR HOLE

Crimped Wire Wheels with Arbor Hole are intended for use on straight grinders and stationary machines such as bench or pedestal grinders and buffing lathes. Featuring Weiler's solid ring construction, these radial brushes are available in heat-treated steel, Type 302 stainless steel and brass wire for use in a wide variety of applications.



APPLICATIONS

- Removing rust and light corrosion
- · Paint removal and surface cleaning
- Decorative finishing
- Removing heat discoloration
- Light deburring



CRIMPED WIRE WHEELS - Narrow Face - provide a flexible brushing action and consistent performance for demanding light-duty cleaning and deburring applications.



	Wire	Arbor	Face	Trim	Max. AH	Thickness at Face	Max.	Std.	Item N	lumber
Dia.	Size	Hole	Width	Length	Avail.	Plates	RPM	Pack	Steel	Stainless
3"	.006	1/2"-3/8"	7/16"	1/2"	3/4"	7/16"	12,500	2	00204	00244 •
	.008								00214	_
	.0118								00234	00264 •
	.014								00274	_
4"	.006	1/2"-3/8"	1/2"	7/8"	3/4"	7/16"	12,500	2	00104	00154
	.006	5/8"-1/2"							00105	_
	.008	1/2"-3/8"							00114	_
	.0095								00124	_
	.0118								00134	00184
	.0118	5/8"-1/2"							00135	_
	.014	1/2"-3/8"							00144	_
6"	.006	5/8"-1/2"	3/4"	1-7/16"	1-1/4"	7/16"	6,000	10	01035 ▲	01675*
	.008								01045	_
	.008	1-1/4"★							01049	_
	.0104	5/8"-1/2"							01055	01695*
	.0118								01065 ▲	01705*
	.014								01075 ■	_
6"	.0118	3/4"	3/4"	1-7/16"	1-1/4"	7/16"	6,000	10	01068	_
8"	.006	5/8"	3/4"	2-1/16"	1-1/4"	1/2"	6,000	2	01135	01775
	.008								01145	-
	.0104								01155	01795
	.0118								01165	01805
	.014								01175 ■	_
8"	.006	3/4"	3/4"	2-1/16"	1-1/4"	1/2"	6,000	2	01138	_
	.008								01148	_
	.0104								01158	_
	.0118								01168	_
	.014								01178	_
8"	.0118	1-1/4"★	3/4"	2-1/16"	1-1/4"	1/2"	6,000	2	_	01809
	.014								01179	_
10"	.006	3/4"	3/4"	2-1/2"	2"	5/8"	4,000	2	01228 •	_
	.0104								01238	_
	.0118								01248	-
	.014								01258	01898
	.014	1" •							01250-12	_
10"	.014	1-1/4"★	3/4"	2-1/2"	2"	5/8"	4,000	2	01259	_
12"	.006	1-1/4"★	3/4"	2-15/16"	2-1/2"	1/2"	3,000	2	01299	01939
	.0104								01309 •	01949 •
	.0118								01319	_
	.014								01329	_
12"	.014	2"◆	3/4"	2-15/16"	2-1/2"	1/2"	3,000	2	01320-14 •	
15"	.0118	1-1/4"★	3/4"	4-7/16"	2-1/2"	1/2"	3,000	2	01339 •	_
	.014								01349	_

NOTE

If a different arbor hole is required (than listed in the tables) refer to Arbor Hole Table shown on Pg. 51.

- ◆ 1/2" x 1/4" Double Keyway
- ★ 5/16" x 5/32" Double Keyway
- 1/4" x 1/8" Double Keyway
- ▲ Available in non-sparking brass wire, see page 92-93 for details. * Standard Pack 2 Packaged product available. See pages 136-139 for details.

35105

WOLVERINE® CRIMPED WIRE WHEELS - Narrow Face - provide a flexible brushing action and cost-effective performance in general purpose cleaning and deburring applications.

	Wire Size	Wire Size	Arbor	Face	Trim	Max. AH	Max.RPM	Std.	Item N	lumber
Dia.	wire Size	Hole	Width	Length	Avail.	IVIAX.KPIVI	Pack	Steel	Stainless	
4"	.014	1/2"-3/8"	1/2"	3/4"	1/2"	6,000	2	36262	_	
6"	.014	5/8"-1/2"	3/4"	1-1/4"	5/8"	6,000	2	36200	36201 •	
8"	.014	5/8"	3/4"	2"	5/8"	6,000	2	36205	_	

Non-stock product, contact Customer Service for lead times



Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	Max. AH Avail.	Thickness at Face Plates	Max. RPM	Standard Pack	Item Number Steel
			Bur	gundy Elasto	mer* - Stan	dard			
4"	.0095	1/2"-3/8"	3/8"	7/8"	3/4"	7/16"	6,000	2	35084
6"	.0104	5/8"-1/2"	1/2"	1-7/16"	1-1/4"	7/16"	6,000	2	35105
	.014								35117 •
8"	.014	5/8"	1/2"	2-1/16"	1-1/2"	1/2"	6,000	2	35135
			Ora	nge Elastom	er* - Heavy-	Duty			
6"	.0104	5/8"-1/2"	1/2"	1-7/16"	1-1/4"	7/16"	6,000	2	35520 •

^{*} See Elastomer Color Code chart on page 51 for more information.

[•] Non-stock product, contact Customer Service for lead times



35520



									_	
	Wire	Arbor	Face	Trim	Max. AH	Thickness at Face	Max.	Standard	Item Number	
Dia.	Size	Hole	Width	Length	Avail.	Plates	RPM	Pack	Steel	
6"	.006	5/8"-1/2"	1/2"	1-1/16"	1-1/4"	7/16"	6,000	10	01085	
	.008								01095	
	.0118								01115	
	.014								01125	



01115

CRIMPED WIRE WHEELS - High Density - Feature an increased fill density for greater brushing action, more consistent performance, and longer life in the most demanding applications requiring the flexibility of a crimped wire wheel.

	Wire	Arbor	Face	Trim	Max. AH	Thickness	Max.	Std.	Item N	lumber
Dia.	Size	Hole	Width	Length	An Avail.	at Face Plates	RPM	Pack	Steel	Stainless
4-1/4"	.0118	5/8"-1/2"	3/4"	5/8"	3/4"	9/16"	6,000	1	01501 •	_
	.014								01502 •	_
6"	.008	5/8"-1/2"	3/4"	1-1/8"	1"	9/16"	6,000	1	01503 •	_
	.0118								01504 •	01508 •
	.014								01505 •	01509 •
	.020								01506 •	-
7"	.014	5/8"	7/8"	1-5/8"	1"	9/16"	6,000	1	01511	_
8"	.006	5/8"	7/8"	1-1/2"	1-1/4"	11/16"	4,500	1	01512 •	-
	.0104								01513 •	_
	.0118								01514	_
	.014								01515	-
10"	.0118	3/4"	1"	2-1/2"	1-1/4"	11/16"	4,500	2	01517 •	_
	.014								01518 •	_







01515



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

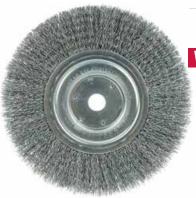




	Wire	Arbor	Face	Trim	Thickness at Face	Max.	0	Item N	lumber
Dia.	Size	Hole	Width	Length	Plates	RPM	Standard Pack	Steel	Stainless
4-1/2"	.0118	2"	15/16"	3/4"	7/8"	6,000	1	06020	_
6"	.006	2"	1"	1-1/8"	15/16"	6,000	1	06040	_
	.008							06050	_
	.0104							06060	06440
	.0118							06070	06450
	.014							06080	_
8"	.006	2"	1"	1-3/8"	1"	4,500	1	06090	_
	.0104							06100	_
	.0118							06110	06490
	.014							06120	_
	.020							06620	_
10"	.0118	2"◆	1-1/8"	2"	1"	3,600	1	06150	06530
	.014							06160	_
	.020							06170	_
12"	.0118	2"◆	1-1/4"	3"	1"	3,600	1	06180	_
	.014							06190	_
	.020							06200	_

^{◆ 1/2&}quot; x 1/4" Double Keyway

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







Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	Thickness at Face Plates	Max. RPM	Standard Pack	Item Number Steel
6"	.014	5/8"-1/2"	5/8"	1-1/16"	1/2"	6,000	1	02325
			3/4"	1-7/16"	7/16"			36203
7"	.014	5/8"	3/4"	1-9/16"	1/2"	6,000	1	02335

2335

P

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





PLATER'S WIRE WHEELS feature a longer trim length and very small diameter fill material for producing fine satin and antique finishes on non-ferrous and precious metals.



	Wire	Arbor	Face	Trim	Number	Max.	Std.	Item Number
Dia.	Size	Hole	Width	Length	of Rows	RPM	Pack	Brass*
3"	.003	1/4"	1/2"	1"	2	6,000	12	22021 •
4"	.004	1/4"	1"	1-1/4"	4	4,000	5	22061 •
6"	.005	1/4"	1"	1-7/8"	4	3,600	1	22241

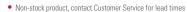
 $[\]ensuremath{^{\bigstar}}$ Also available in carbon steel, stainless steel and nickel silver wire.

Non-stock product, contact Customer Service for lead times

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

	100		F	T.1	Thickness			Item N	lumber
Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	at Face Plates	Max. RPM	Standard Pack	Steel	Stainless
4-1/2"	.006	2"	1-1/4"	3/4"	7/8"	6,000	1	03000 •	-
	.0118							03010 •	_
	.014							03020 •	_
6"	.006	2"	1-1/4"	1-1/8"	1"	6,000	1	03030	03480
	.008							03040	_
	.0104							03050	_
	.0118							03060	03510
	.014							03070	03520
7"	.0118	2"	1-1/4"	1-5/8"	1"	6,000	1	03090	_
	.014							03100	
8"	.006	2"	1-1/2"	1-3/8"	1-3/8"	4,500	1	03110	- 1
	.0095							03130 •	- 3
	.0118							03140	03590 • 🎆
	.014							03150	- 3
	.020							03160	- 39
10"	.0104	2"	2"	1-7/8"	1-5/8"	4,000	1	03180	- 3
	.0118							03190	- 1
	.014							03200	
	.020							03210	
12"	.0118	2"	2"	2-7/8"	1-9/16"	3,000	1	03220	_
	.014							03230	03680
	.020				1-11/16"			03240	_









WOLVERINE® CRIMPED WIRE WHEELS - wide Face - Provide a flexible brushing action and cost-effective performance in general purpose cleaning and deburring applications; feature

a widei ia	LE WIUTH TO CO	vei illule alea.						
	Wire	Arbor	Face	Trim	Thickness	Max.	Standard	Item Number
Dia.	Size	Hole	Width	Length	at Face Plates	RPM	Pack	Steel
6"	.014	2"-5/8"-1/2"	7/8"	1-1/8"	7/8"	6,000	1	06645
								36204
7"	.014	2"-5/8"-1/2"	7/8"	1-5/8"	7/8"	6,000	1	06655
8"	.014	2"-5/8"	1"	1-3/8"	1"	4,000	1	36206
10"	014	2"-3/4"	1-1/8"	2"	1"	3 600	1	36265 •

Non-stock product, contact Customer Service for lead times





POLYFLEX™ ENCAPSULATED CRIMPED WIRE WHEEL - Wide Face - Burgundy*

Elastomer* - Features an encapsulation that gradually wears away to expose a consistent short trim for higher aggression, controlled brushing action, and longer life. Wider face width covers more area.

	Wire	Arbor	Face	Trim	Thickness at Face	Max.	Std.	Item Number
Dia.	Size	Hole	Width	Length	Plates	RPM	Pack	Steel
6"	.0118	2"	1"	1-1/8"	1"	6,000	1	35160

^{*} See Elastomer Color Code Chart on page 51 for more information. For arbor hole reducing adapters, see Metal Adapter Table on page 66.



35160



Removing casting flash from ductile-iron housing with an encapsulated brush.

SMALL DIAMETER "COPPER CENTER" WHEELS

Weiler's small diameter crimped wire wheels feature a plain arbor hole for use on a variety of portable tools and stationary machines. Featuring Weiler's solid ring construction for high-speed use, these radial brushes are available in heat-treated steel, Type 302 stainless steel, and brass wire.



APPLICATIONS

- Removing carbon build-up and deposits
- Removing rust and light corrosion
- Cleaning and finishing ID's and recessed areas
- Cleaning boiler tubes and internal passages
- Cleaning threads
- Wire stripping
- Light deburring













SMALL DIAMETER WHEELS provide a flexible brushing action and consistent performance for light-duty cleaning and deburring applications requiring a small wheel.



	Wire	Arbor	Face	Trim	Max.	Standard	ltem l	Number
Dia.	Size	Hole	Width	Length	RPM	Pack	Steel	Stainless
1"	.003	1/4"	3/16"	1/4"	20,000	10		16461
	.005						_	16471
	.006						15071	_
1-1/4"	.003	1/4"	1/4"	3/8"	20,000	10	15101 •	_
	.006						15111	16511 •
	.008						_	16521
	.008	3/8"		5/16"			15732	_
1-3/8"	.006	1/4"	1/4"	3/8"	20,000	10	15131	_
	.008						15141	_
	.0104						15151	_
1-1/2"	.006	3/8"	1/4"	7/16"	20,000	10	15302 ▲	_
	.008	3/8"		7/16"			15312	16712
	.008	1/2"		1/4"			15753 •	_
	.0104	3/8"		7/16"			15322	_
	.0118	3/8"		7/16"			15332	_
	.014	3/8"		7/16"			15762	_
2"	.003	1/4"	3/8"	3/4"	20,000	10	99307	_
	.003	1/2"		1/2"			15863 •	_
	.005	1/2"					-	16833
	.006	1/2"					15433 ▲	_
	.008	1/2"					15443	16843
	.0104	1/2"					15453	16853
	.0118	1/2"-3/8"					15463 ▲	_
	.014	1/2"-3/8"					15473	16873
2-1/2"	.0118	1/2"-3/8"	1/2"	3/4"	20,000	10	15513	_
	.014						15523	_
3"	.003	1/2"	5/8"	1"	20,000	10	99551	_
	.006	1/2"-3/8"		1"			15533	16933
	.006	5/8"		15/16"			15637	_
	.008	1/2"-3/8"		1"			15543	16943
	.008	5/8"		15/16"			15647 •	_
	.0104	1/2"		1"			15553	_
	.0118	1/2"-3/8"		1"			15563	16963
	.0118	5/8"		15/16"			15667 •	_
	.014	1/2"-3/8"		1"			15573 ▲	16973
	.014	5/8"		15/16"			15677	_
4"	.006	1/2"	1/2"	1-1/2"	20,000	10	99553	_

[▲] Available in non-sparking brass wire, see page 92-93 for details.

[•] Non-stock product, contact Customer Service for lead times

POLYFLEX™ ENCAPSULATED SMALL DIAMETER WHEELS -

Burgundy Elastomer* - Feature an encapsulation that gradually wears away to expose a consistent short trim for higher aggression, controlled brushing action, and longer life.



	Wire	Arbor	Face	Trim	Max.	Standard	Item Number
Diameter	Size	Hole	Width	Length	RPM	Pack	Steel
1-1/4"	.008	3/8"	3/16"	5/16"	20,000	10	35293
	.014						35294 •
2"	.0104	1/2"	1/4"	1/2"	20,000	10	35240
	.014						35070
3"	.008	1/2"	1/4"	1"	20,000	10	35808 •
	.0118						35250
	.014						35260

^{*} See Elastomer Color Code chart on page 51 for more information.

Non-stock product, contact Customer Service for lead times



WIRE STRIPPING BRUSHES

Used for removing insulation from electrical wire. These brushes are made to order according to the specifications needed for the specific application.

When ordering, please specify:

- Brush diameter
 - Arbor hole size
- · Brush face width
- Wire size

For application assistance, call our Application Engineering Hotline toll-free at: 888-299-APPS (2777)



NOTE

- The adapters and drive arbors listed on this page are for use with small diameter wheel brushes only; do not attempt to use them with cutting or grinding wheels, buffing wheels, or any type of abrasive wheel or disc.
- Do not adapt a wheel brush for use on a shaft diameter less than that specified by ANSI B165.1 (see page 55) or exceed
 the maximum wheel diameter specified for a drive arbor.
- Never mount a drive arbor onto a tool that operates above the maximum RPM rating of either the arbor or the brush (whichever may be lower) and be sure that the stem of the arbor is properly secured in the collet or chuck before use.



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	ltem Number
			U	nthreaded Sha	ıft			
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
				Threaded Shaf	t			
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



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





















Removing flash from a sand-cast iron engine block.

CRIMPED WIRE WHEELS WITH NUT OR STEM

Crimped wire wheels with a threaded nut are intended for use primarily on small angle grinders. Featuring Weiler's solid ring construction, these radial brushes are available in heat-treated steel and Type 302 stainless steel wire.



APPLICATIONS

- Removing rust and light corrosion
- Surface prep prior to welding
- Removing heat discoloration and welding residuals



CRIMPED WIRE WHEELS provide a flexible brushing action and consistent performance for demanding light-duty cleaning and deburring applications.



	Wire	Arbor	Face	Trim	Max.	Std.	Item Number	
Dia.	Size	Hole	Width	Length	RPM	Pack	Steel	Stainless
4"	.006	5/8"-11 UNC	1/2"	7/8"	14,000	5	_	00156
4"	.014	M14 x 2.0	1/2"	7/8"	14,000	5	13077 •	_
		3/8"-24 UNF					13078 •	_
		5/8"-11 UNC					13081	13085
4"	.014	5/8"-11 UNC	1/2"	7/8"	14,000	5	35416*	_

- * Polyflex™ encapsulated Burgundy elastomer. See Elastomer Color Code Chart on page 51 for more information.
- · Non-stock product, contact Customer Service for lead times



WOLVERINE® CRIMPED WIRE WHEEL provides a flexible brushing action and cost-effective performance in general purpose cleaning and deburring applications.



	Wire	Arbor	Face	Trim	Max.	Standard	Item Number
Diameter	Size	Hole	Width	Length	RPM	Pack	Steel
4"	.014	5/8"-11 UNC	1/2"	3/4"	14,000	5	36207 •

· Non-stock product, contact Customer Service for lead times

Crimped wire wheels with a permanently attached 1/4" stem or shank are primarily intended for use on high-speed die grinders. Although they can also be mounted onto a drill, the speed and power of that tool will limit the effectiveness of the brush. Featuring Weiler's solid ring construction, these radial wheels are available in heat-treated steel, Type 302 stainless steel, and brass wire.

APPLICATIONS

- Cleaning and finishing ID's and recessed areas
- · Paint removal and surface cleaning
- Cleaning threads
- Light deburring

CONFLEX BRUSHES Narrow Face - 1/4" Stem - Provide a very flexible brushing action.



	Wire	Face	Trim	Max.	Standard	Item N	lumber
Diameter	Size	Width	Length	RPM	Pack	Steel	Stainless
2"	.006	3/8"	1/2"	20,000	10	17609	-
	.0118					17610 ■	17611 ■
2-1/2"	.006	3/8"	3/4"	20,000	10	17612	_
	.014					17614	_
3"	.008	1/2"	1"	20,000	10	17615 ■	_
	.0118					17616 ▲ ■	_
	.014					17617	17618 ■

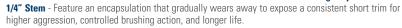
■ Packaged product available. See pages 136-139 for details.

▲ Available in non-sparking brass wire, see page 92-93 for details.





POLYFLEX™ ENCAPSULATED CONFLEX BRUSHES - Burgundy Elastomer* -





^{*} See Elastomer Color Code Chart on page 51 for more information.

CONFLEX BRUSHES - Wide Face - 1/4" Stem - Provide a flexible brushing action and consistent performance for demanding light-duty cleaning and deburring applications; feature a wider face width to cover more area.



	Wire	Face	Trim	Max.	Standard	ltem l	lumber
Diameter	Size	Width	Length RPM		Pack	Steel	Stainless
1-1/4"	.006	1/2"	3/8"	20,000	10	17600	_
	.008					17601	_
1-1/2"	.006	1/2"	1/2"	20,000	10	17602	_
	.008					17603	_
	.0118					17604	_
1-3/4"	.006	1/2"	5/8"	20,000	10	17605	_
	.008					_	17608
2"	.0118	3/4"	7/16"	20,000	10	17619	_
2-1/2"	.014	3/4"	11/16"	20,000	10	17620	_
3"	.008	1"	15/16"	20,000	10	17621	17637
	.0118					17622	_
	.014					17623	_



17603

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



	Wire	Face	Trim	Max.	Standard	Item N	lumber			
Diameter	Size	Width	Length	RPM	Pack	Steel	Steel Stainless			
1-1/2"	.006	1/4"	3/8"	20,000	10	17950	17971			
	.008					17951	17972 •			
	.0118					17952 •	17973			
	.014					17953	_			
2"	.006	3/8"	7/16"	20,000	10	17954	_			
	.008					17955	17974			
	.0118					17956	_			
	.014					17957	17975			
	.020					17958 •	_			
2-1/2"	.008	7/16"	9/16"	20,000	10	17959	17976 •			
	.0118					17961	_			
	.014					17962	17977 •			
	.020					17963 •	_			
3"	.008	1/2"	13/16"	20,000	10	17964	17978			
	.0118					17965	_			
	.014					17966	17979			
	.020					17967	_			
4"	.008	9/16"	1-5/16"	15,000	10	17968	17981			
	.014					17969	17982			





Non-stock product, contact Customer Service for lead times

WOLVERINE® CRIMPED WIRE RADIAL WHEELS 1/4" Stem - Designed to be a flexible and economic small diameter brushing tool for a broad range of general purpose applications

TTOLTLINIE	OIIIIVII ED	AA111F 117	DIAL VVIILE	io i/+ otelli De	orgricu to be a
flexible and economi	ic small diameter	brushing tool	for a broad range of	of general purpose	applications.
1	1		1	1	1

Diameter	Wire Size	Face Width	Trim Length	Max. RPM	Standard Pack	Item Number Steel
1-1/2"	.0118	1/4"	3/8"	20,000	10	36208*
2"	.014	3/8"	7/16"	20,000	10	36209*
3"	.008	7/16"	13/16"	20,000	10	36259*
	.014					36211*



36211

* Globally sourced products





	Wire	Face	Trim	Max.	Standard	Item I	lumber
Diameter	Size	Width	Length RPM		Pack	Steel	Stainless
1-1/2"	.006	1/4"	3/8"	20,000	10	17901	17930
	.008					17902	_
	.0118					17903	17931 •
2"	.008	3/8"	1/2"	20,000	10	17906	_
	.014					17907	17933
2-1/2"	.006	7/16"	5/8"	20,000	10	17909	-
	.014					17912	17935
3"	.006	1/2"	15/16"	20,000	10	17914	17936
	.008					17915	_
	.014					17917	17937
4"	.008	9/16"	1-1/4"	20,000	10	17922	_
	.014					17923	_



Non-stock product, contact Customer Service for lead times

Deburring a plastic part using a nylon brush.

NYLON AND TAMPICO WHEELS

NYLON WHEELS

Wheel brushes filled with non-metallic filaments are primarily intended for lightduty surface cleaning and scrubbing applications as well as scratch-free finishing and polishing. Synthetic filaments such as nylon are durable and provide a very flexible brushing action in applications requiring less aggression than a wire brush. The softer fill material allows them to be used on materials that a wire brush would scratch or gouge.

MADE IN USA

APPLICATIONS

- · Wet or dry cleaning and scrubbing
- Removing burrs and die flash from plastic parts
- Sweeping loose chips and debris



NYLON WHEELS feature a chemical-resistant synthetic fill material with excellent bend recovery for use in applications requiring a soft, durable fill material.



Dian	neter	Fill Diameter	Arbor Hole	Face Width	Trim Length	Max. RPM	Standard Pack	Item Number
- 2	2"	.010	1/2"	3/8"	1/2"	20,000	10	17223
		.014						17233
2-1	/2"	.022	5/8"	3/8"	11/16"	20,000	10	99346
3	3"	.010	1/2"	3/8"	1"	20,000	10	29070
		.016						17263
- 6)"	.016	2"	3/4"	1-1/2"	6,000	2	20490
	3"	.020	2"	3/4"	2-1/2"	5,000	2	20510 •

For arbor hole reducing adapters, see Metal Adapter Table below and plastic adapters on page 69.

Non-stock product, contact Customer Service for lead times

TAMPICO WHEELS

Wheel brushes filled with non-metallic filaments are primarily intended for light-duty surface cleaning and scrubbing applications as well as scratch-free finishing and polishing. Natural vegetable fibers such as Tampico hold abrasive compounds well and can be used for deburring, edge blending, and polishing applications.



- Wet or dry cleaning and scrubbing
- Buffing and polishing non-ferrous and precious metals
- Removing burrs and blending edges with abrasive compounds



TAMPICO WHEELS feature a durable vegetable fiber fill material that is chemical and heat resistant and also holds abrasive compounds well.



MADE IN

Diameter	Arbor Hole	Face Width	Trim Length	Max. RPM	Standard Pack	Item Number
2-1/2"	1/2"	1/2"	3/4"	20,000	10	17443
3"	1/2"	1/2"	1"	20,000	10	17453
6"	2"	5/8"	1-1/2"	6,000	10	20180
8"	2"	5/8"	2-1/2"	5,000	5	20190

For arbor hole reducing adapters, see Metal Adapter Table below and plastic adapters on page 69.



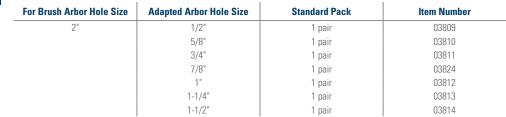
20180

17453

20490



METAL ADAPTERS for 6" & 8" Brushes. Used in pairs & priced per pair.





Cup brushes are for use on portable power tools for addressing larger surface areas more efficiently than a wheel brush. Cup brushes featuring a threaded nut are designed for smooth, efficient operation on angle grinders to make quick work of large jobs. Utility cup brushes featuring a permanentlyattached 1/4" stem are more suitable for smaller jobs and are recommended for use on high-speed air tools for the most effective brushing action and longest life. Cup brushes are manufactured with individual knot hole and solid ring construction for high performance and long life.

APPLICATIONS

- Removal of slag from the edges of plasma or flame-cut plates
- Removing paint and coatings
- Cleaning rust, scale, and corrosion
- Deburring
- Weld prep and cleaning

CUP BRUSH SIZE SELECTION GUIDE

Brush Sizes	Angle Grinder Size
2-3/4" & 3"	4"
2-3/4", 3" & 3-1/2"	4-1/2"
2-3/4", 3" & 3-1/2"	5"
3-1/2" & 4"	6"
4", 5" & 6"	7"
4", 5" & 6"	9"



Removing slag from a flame-cut steel plate.













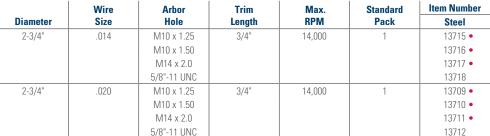


KNOT WIRE CUP BRUSHES - Single Row - Provide heavy-duty brushing action with some flexibility; ideal for demanding cleaning applications on relatively flat surfaces.

1	-	applications on rela	57				
	Wire	Arbor	Trim	Max.	Standard		Number
Diameter	Size	Hole	Length	RPM	Pack	Steel	Stainless
2-3/4"	.014	M10 x 1.25	1"	14,000	1	13015	_
		M10 x 1.50				13016 •	_
		M14 x 2.0				13020	_
		3/8"-24 UNF				13021	_
		5/8"-11 UNC				13025 ■	13009
2-3/4"	.020	M10 x 1.25	1"	14,000	1	13281 ■	13253
		M10 x 1.50				13282	13254 •
		M14 x 2.0				13283	13255
		3/8"-24 UNF				13284	13256
		1/2"-13 UNC				13285	13257
		5/8"-11 UNC				13286 ▲ ■	13258 ■
3-1/2"	.023	M10 x 1.25	7/8"	13,300	1	13150	_
		M10 x 1.50				13151	_
		M14 x 2.0				13152	13159 •
		3/8"-24 UNF				13153	13160
		1/2"-13 UNC				13155	_
		5/8"-11 UNC				13156 ■	13163 ■
3-1/2"	.014	5/8"-11 UNC	1-1/4"	9,000	1	12736	_
	.020					12746	_
4"	.014	5/8"-11 UNC	1-1/4"	10,200	1	12306 ▲	12406
	.023	'				12316 ■	12416
	.035					12326	_
4"	.023	5/8"-11 UNC	1-1/4"	10,200	1	12206 �	_
4"	.023	5/8"-11 UNC	1-1/4"	10,200	1	12826*	_
5"	.014	5/8"-11 UNC	1-3/8"	7,000	1	12256*	_
	.023					12276 ■*	_
6"	.014	5/8"-11 UNC	1-3/8"	6,600	1	12356 ■	12456
	.023					12376 ■	12476
	.035					12396	_
6"	.023	5/8"-11 UNC	1-3/8"	6,600	1	12816*	_
6"	.014	5/8"-11 UNC	1-5/8"	6,000	1	12846	_
	.023	/	-, -			12856	12886
	.035					12866	_

- ▲ Available in non-sparking bronze wire, see page 92-93 for details.
- * With internal nut 💠 Cable Twist 🔳 Packaged product available. See pages 136-139 for details. Non-stock product, contact Customer Service for lead times

KNOT WIRE CUP BRUSHES - Hurricane Twist - Very smooth brushing action and extended life with reduced cleaning action.







NOTE

If a different arbor hole is required (than listed in the tables) refer to Threaded Adapter Chart shown on Pg. 61.



WOLVERINE® KNOT WIRE CUP BRUSHES - Single Row

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



	Wire	Arbor	Trim	Max.	Standard	Item Number	
Dia.	Size	Hole	Length	RPM	Pack	Steel	Stainless
3"	.020	5/8"-11 UNC	1"	14,000	1	36238	36239
4"	.025	5/8"-11 UNC	1-1/4"	10,200	1	36244	_
6"	.025	5/8"-11 UNC	1-3/8"	6,600	1	36245	_

KNOT WIRE CUP BRUSHES - Banded - Single Row - Feature a removable metal band around fill material to reduce the exposed trim length and limit brush flaring at operating speed to provide a very aggressive, controlled brushing action.



	Wire	Arbor Hole	Trim Length	Max. RPM	Standard Pack	Item N	Item Number	
Diameter	Size					Steel	Stainless	
2-3/4"	.014	5/8"-11 UNC	5/8"	12,500	1	13300	_	
	.020					13301	13302	
4"	.023	5/8"-11 UNC	7/8"	10,200	1	12301	_	
5"	.023	5/8"-11 UNC	7/8"	6.600	1	12120	_	



KNOT WIRE CUP BRUSH - 1-1/2 Rows - Features an internal nut for use on dedicated equipment such as line traveling machines that clean and prep OD of pipe prior to coating.



	Wire	Arbor	Trim	Max.	Standard	Item Number
Diameter	Size	Hole	Length	RPM	Pack	Steel
4"	.023	5/8"-11 UNC	1-1/4"	7,000	1	94012



KNOT WIRE CUP BRUSHES - Double Row - Provide very aggressive brushing while still maintaining some flexibility; ideal for severe cleaning applications.



	Wire	Arbor	Trim Length	Max. RPM	Standard Pack	Item N	Item Number	
Diameter	Size	Hole				Steel	Stainless	
4"	.014	5/8"-11 UNC	1-1/4"	9,000	1	12756	_	
.020	.020					12766	12726	
6"	.014	5/8"-11 UNC	1-3/8"	6,600	1	12536	_	
	.023					12556	12636	
	.035					12576	_	
6"	.014	5/8"-11 UNC	1-1/2"	6,000	1	12906 •	_	
	.023					12916	_	
	.035					12926	_	

Non-stock product, contact Customer Service for lead times



KNOT WIRE CUP BRUSHES - Banded - Double Row - Feature a removable metal band around fill material to reduce the exposed trim length and limit brush flaring to provide an extremely aggressive, controlled brushing action for the most severe applications.



	Wire	Arbor	Trim	Max.	Standard	Item Number
Diameter	Size	Hole	Length	RPM	Pack	Steel
4"	.020	5/8"-11 UNC	7/8"	9,000	1	12796
6"	.023	5/8"-11 UNC	7/8"	6,600	1	12676
	.035					12686





35530

POLYFLEX™ ENCAPSULATED CRIMPED WIRE CUP BRUSHES feature fill material that has been encapsulated in an elastomer that gradually wears away to keep only the wire tips exposed; ideal

for applications on flat surfaces that require maximum aggression but no flexibility in the brushing action.



	Wire	Arbor	Trim	Max.	Standard	Item Number				
Diameter	Size	Hole	Length	RPM	Pack	Steel				
Burgundy Elastomer* - Standard										
3-1/2"	.014	5/8"-11 UNC	7/8"	12,000	1	35406				
4"	.020	5/8"-11 UNC	1-1/8"	9,000	1	35186				
6"	.020	5/8"-11 UNC	1-1/4"	6,000	1	35006				
		Orange	Elastomer* - Hea	vy-Duty						
6"	.020	5/8"-11 UNC	1-1/4"	6,000	1	35530 ▲				
	Black Elastomer* - Heavy-Duty - Heat-Resistant									
6"	.020	5/8"-11 UNC	1-1/4"	6,000	1	35760 ▲ •				

^{*} See Elastomer Color Code Chart on page 51 for more information.

[▲] With internal nut

CRIMPED WIRE CUP BRUSHES provide very flexible brushing action and the most consistent performance for demanding light-duty cleaning applications; feature a threaded nut for use on angle grinders.



	Wire	Arbor	Trim	Max.	Standard	Item N	umber
Diameter	Size	Hole	Length	RPM	Pack	Steel	Stainless
3"	.014	M10 x 1.25	1"	14,000	1	13240 ■ ▲	-
		M10 x 1.50				13241	-
		M14 x 2.0				13242	-
		3/8"-24 UNF				13243	-
		1/2"-13 UNC				13244	-
		5/8"-11 UNC				13245 ■	-
3-1/2"	.014	M10 x 1.25	7/8"	13,300	1	13175	13182
		M10 x 1.50				13176 •	-
		M14 x 2.0				13177 •	13184 •
		3/8"-24 UNF				13178	13185
		1/2"-13 UNC				_	13187 •
		5/8"-11 UNC				13181 ■	13188
4"	.0118	5/8"-11 UNC	1-3/8"	10,200	1	14016	-
	.014					14026 ■	-
	.020					14036 ■ ▲	14126
5"	.014	5/8"-11 UNC	1-1/4"	9,000	1	14206 ■ ▲	-
	.020					14216	14256
6"	.014	5/8"-11 UNC	1-1/4"	6,600	1	14066 ■*	_
	.020					14076 ■ ▲*	14166*



Removing paint from a steel surface with a crimped wire cup brush.



- Packaged product available. See pages 136-139 for details.
- Non-stock product, contact Customer Service for lead times



36237

WOLVERINE® CRIMPED WIRE CUP BRUSHES provide flexible brushing action and cost-effective performance in general purpose cleaning applications.

Diameter	Wire Size	Arbor Hole	Trim Length	Max. RPM	Standard Pack	Item Number Steel
3"	.014	5/8"-11 UNC	1"	14,000	1	36231
		1/2"-13 UNC				36232 •
4"	.020	5/8"-11 UNC	1-1/8"	9,000	1	36236
6"	.020	5/8"-11 UNC	1-1/2"	6,600	1	36237 *

* With internal nut

Non-stock product, contact Customer Service for lead times

MADE IN

NOTE

If a different arbor hole is required (than listed in the tables) refer to Threaded Adapter Chart shown on Pg. 61.

permanently attached stems can also be used on drills.





	Wire	Trim	Overall	Max.	Standard	Item N	lumber
Diameter	Size	Length	Length	RPM	Pack	Steel	Stainless
1-3/4"	.006	3/4"	2-5/16"	13,000	10	14300 ▲	14303 •
	.0118					14301 ▲ ■	14304
2"	.008	5/8"	2-7/8"	13,000	10	14313 •	14318 •
	.0118					14306	14319 •
2-1/2"	.008	7/8"	3-1/8"	13,000	10	14315 •	14320 •
	.014					14317	14321 •
2-3/4"	.0118	7/8"	2-1/2"	6,000	1	14302 ▲ ■	_



[■] Packaged product available. See pages 136-139 for details. ▲ Available in non-sparking brass wire, see page 92-93 for details.

WOLVERINE UTILITY CRIMPED WIRE CUP BRUSH is a flexible and economic small diameter brushing tool for a broad range of general purpose applications using air tools or drills. 1/4" Stem.







36230

75

^{*} With internal nut

[▲] Available in non-sparking brass & bronze wire, see page 92-93 for details.

[•] Non-stock product, contact Customer Service for lead times



Cleaning hard-to-reach fillet welds on a gusseted base plate.

STEM-MOUNTED END BRUSHES

Wire end brushes are for use on high-speed portable power tools for addressing smaller surfaces and recessed areas. End brushes feature an integral 1/4" steel stem for safe operation at high speed and quick mounting into the collet or chuck of either electric or pneumatic die grinders.

End brushes are available in a variety of knot wire and crimped wire configurations for use in a broad range of applications, and they are manufactured with the highest quality construction for smooth, efficient performance and long life. Weiler's end brushes are available in heat-treated steel, Type 302 stainless steel, and bronze or brass wire.

APPLICATIONS

- Cleaning ID's, internal passages and recessed areas
- Removal of die flash and excess molded material
- Deburring internal edges and crosshole intersections
- Spot facing





KNOT WIRE END BRUSHES feature a hollow end and heavy-duty brushing action with some flexibility; ideal for more demanding cleaning applications in recessed areas.



	vvire	I IIIII	Overall	IVIAX.	Stanuaru	I Itelli IV	Itelli Mallinei	
Diameter	Size	Length	Length	RPM	Pack	Steel	Stainless	
1/2"	.006	1-1/8"	2-7/8"	20,000	10	_	10215 *	
	.0104					10208	10216	
	.014					10217	10218	
3/4"	.006	1-1/8"	2-7/8"	20,000	10	_	10220 *	
	.0104					10210	10211	
	.014	7/8"	2-5/8"	22,000		10025 ■	10029 ■	
	.020					10026 ■	10030	
1-1/8"	.006	1-1/8"	2-9/16"	20,000	10	10141 ■ *	10142 •*	
	.0104		2-7/8"			10212	10213	
	.0118					10187	_	
	.014	7/8"	2-5/8"	22,000		10027 ■	10031 ■	

- Coated cup
 Packaged product available. See pages 136-139 for details.
 Available in non-sparking bronze wire, see page 92-93 for details.
- * Globally sourced product



KNOT WIRE END BRUSHES - Nickel-plated Cup compliant with DOD MIL STD 2041D(SH)

Feature a hollow end and heavy-duty brushing action with some flexibility; ideal for more demanding cleaning applications in recessed areas.





	Wire	Trim	Overall	Max.	Standard	Item Number
Diameter	Size	Length	Length	RPM	Pack	Stainless
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 •

· Non-stock product, contact Customer Service for lead times



WOLVERINE® KNOT WIRE END BRUSHES feature similar hollow-end

construction and heavy-duty brushing action, but they have been engineered to provide cost-effective use for less demanding applications.





	Wire	Trim	Overall	Max.	Standard	Item N	lumber
Diameter	Size	Length	Length	RPM	Pack	Steel	Stainless
3/4"	.014	7/8"	2-5/8"	22,000	10	36286	36287 •
	.020		2-9/16"			36250	_
1"	.014	7/8"	2-5/8"	22,000	10	36288	36289
	.020		2-9/16"			36251	_

Non-stock product, contact Customer Service for lead times



11141



KNOT WIRE END BRUSHES - Banded - Feature a pair of bands around the fill to reduce the exposed trim length and limit brush flaring to provide a very aggressive, controlled brushing action.



Diameter	Wire Size	Trim* Length	Overall Length	Max. RPM	Standard Pack	Item Number Steel
1-1/8"	.014	3/8"	2-5/8"	18,000	10	11140
	.020					11141

Trim length from bands

P CRIMPED WIRE END BRUSHES feature a solid end construction and very flexible brushing action ideal for more demanding light-duty cleaning applications in corners and hard-to-reach areas.

-60
4
mber
Stainless

	Wire	Trim	Overall	Max.	Standard	Item N	lumber
Diameter	Size	Length Lengt	Length	RPM	Pack	Steel	Stainless
3/8"	.0118	7/8"	2-1/2"	20,000	10	10188	_
1/2"	.006	7/8"	2-9/16"	25,000	10	10001 ▲ ■	10013 ■
	.0104					10002	10014
	.014					10003	10015
	.020					10004	10016
3/4"	.006	7/8"	2-9/16"	22,000	10	10005 ■	10017 ■
	.0104					10006	10018
	.014					10007	10019
	.020					10008 ■	10020
1"	.006	1"	2-3/16"	22,000	10	10009 ▲ ■	10021 ■
	.0104					10010 ■	10022 ■
	.014					10011 🔺	10023
	.020	1-1/8"	2-15/16"			10012 ■	10024





Cleaning the exhaust port of a gasoline engine.



CRIMPED WIRE END BRUSHES - Coated Cup - Feature a solid end construction and 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.



	Wire	Trim	Overall	Max.	Standard	Item N	lumber
Diameter	Size	Length	Length	RPM	Pack	Steel	Stainless
1/2"	.006	7/8"	2-9/16"	25,000	10	11000	11010
	.0104					11001	11011
3/4"	.006	7/8"	2-9/16"	22,000	10	11003	11013
	.0104					11004	11014
1"	.006	7/8"	2-3/4"	22,000	10	11006	11016
	.0104	1"				11007	11017



CRIMPED WIRE END BRUSHES - Nickel-plated Cup - Feature a solid end construction and 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).



	Wire	Trim	Overall	Max.	Standard	Item Number
Diameter	Size	Length	Length	RPM	Pack	Stainless
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





WOLVERINE® CRIMPED WIRE END BRUSHES feature similar solid end construction and flexible brushing action, but they have been engineered to provide cost-effective use for less demanding applications.



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	Wire	Trim	Overall	Max.	Standard	Item N	lumber		
Diameter	Size	Length	Length	RPM	Pack	Steel	Stainless		
1/2"	.0104	7/8"	2-9/16"	25,000	10	36282	-		
3/4"	.006	7/8"	2-9/16"	22,000	10	_	36283		
	.0104					36247	_		
	.014					36246	_		
1"	.006	7/8"	2-3/4"	22,000	10	36284	36285		
	.0104					36249	_		
	.014					36248	_		





CRIMPED WIRE END BRUSHES - Banded - Feature bands around the fill to reduce the exposed

trim length and limit brush flaring at operating speed to provide an aggressive, controlled brushing action.

	Wire	Trim	Overall	Max.	Standard	Item N	lumber
Diameter	Size	Length*	Length	RPM	Pack	Steel	Stainless
1/2"	.006	9/16"	2-9/16"	20,000	10	11100	11110
	.0104			25,000		11101	_
3/4"	.006	7/16"	2-11/16"	20,000	10	11102	11112
	.0104	3/8"				11103	11113
1"	.006	3/8"	2-5/8"	13,000	10		11114
	0104					11105	11115

^{*} Trim length from bands



*CONTROLLED FLARE END BRUSHES feature uniquely trimmed crimped wire fill for more

effective brushing action and greatly enhanced durability when cleaning corners and fillet welds.



^{*}Patent #8,186,000 B2

The unique trim of a controlled flare end brush is designed specifically to address hard-to-reach areas, reducing filament fatigue and breakage typically associated with a standard end brush when cleaning corners and fillet welds.



Standard Crimped Wire End Brush



Controlled Flare End Brush





CRIMPED WIRE PILOT BONDING BRUSHES - Banded - Solid end.

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

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

^{*} Globally sourced product



POLYFLEX® ENCAPSULATED CRIMPED WIRE END BRUSHES

Burgundy Elastomer* - Feature fill material that has been encapsulated in an elastomer that gradually wears away to keep only the wire tips exposed; ideal for applications such as spot facing that may require maximum aggression and no flaring.

	Wire	Trim	Overall	Max.	Standard	Item N	lumber
Diameter	Size	Length	Length	RPM	Pack	Steel	Stainless
		E	Burgundy Elasto	mer* - Standar	d		
1/2"	.0104	7/8"	2-9/16"	18,000	10	35340	35500
3/4"	.0104	7/8"	2-9/16"	16,000	10	35345	35505 •
1"	.0104	7/8"	2-3/4"	14,000	10	35350	_
		(Prange Elastom	er* - Heavy-Dut	у		
1/2"	.0104	7/8"	2-9/16"	18,000	10	35535	_
3/4"	.0104	7/8"	2-9/16"	16,000	10	35540	_
1"	.0104	7/8"	2-3/4"	14,000	10	35545	_

^{*} See Elastomer Color Code Chart on page 51 for more information.

Non-stock product, contact Customer Service for lead times

CIRCULAR FLARED END BRUSHES feature crimped wire fill that has been "pre-flared" to match the working angle of the brush at operating speed; suited for addressing broad and slightly contoured surfaces.



	Wire	Wax.	Standard	Item N	em Number	
Diameter	Size	RPM	Pack	Steel	Stainless	
1"	.006	25,000	1	10033	10042	
	.008			10034	10043	
	.020			10099	_	
1-1/4"	.006	20,000	1	10076	_	
	.008			10035	_	
1-1/2"	.006	20,000	1	10044	10045	
	.008			10037	10046	
	.020			10038	10047	
2"	.014	25,000	2	11142	_	
2-3/4"	.008	16,000	2	10039	10048	
	.020			10040	_	
3"	.006	16,000	2	10150	10151	
	.008			10041 ■	10050	
	.014			10134	_	
	.020			10073	10074	
4"	.008	15,000	1	_	96705	



■ Packaged product available. See pages 136-139 for details.

POLYFLEX® ENCAPSULATED CIRCULAR FLARED END BRUSHES

Black Elastomer* - Crimped wire fill that has been encapsulated in a heavy-duty elastomer that gradually wears away to keep only the wire tips exposed. Their saucer-shape, narrow face, and aggressive brushing action make them suitable for addressing edges, corners, and confined areas.



O.D.	Wire	Wire Cup	Overall Max. Length RPM	Standard	Item Number		
Diameter	Size	Size		RPM	Pack	Steel	Stainless
1-3/4"	.006	3/4"	2"	25,000	2	35222	-
	.0104					35223	35226
	.020					35224	_
2"	.0104	3/4"	1-1/8"	20,000	2	35233	-
	.020					35234	_





10041



PFNCII FND RRIISHES contain straight wire fill material retained in a small diameter steel

I FIACIF FIAD DIIO	OTTEO CONTAIN STRAIGHT WHE HII Material retained i	ii a siiiaii ulailletei s
tube. They provide a light-d	duty brushing action suitable for very small recessed	areas.

Tube	Wire	Trim	Overall	Max.	Standard	Item N	lumber
Diameter	Size	Length	Length	RPM	Pack	Steel	Stainless
1/4"	.0104	3/4"	3-3/4"	8,000	10	99825	99823

99825

When brushing a recessed area or the inside diameter of a tube, use an End Brush in the following manner: Insert the brush, start the brush rotating. Turn off the power before removing the brush. This will prevent the brush from flaring out and enable it to fit into the recessed area again.



1. Insert Brush



2. Apply Power



3. Shut-Off Power



4. Remove Brush



MOUNT END BRUSHES SAFELY

When mounting end brushes, the amount of overhang from the tool should be minimized by clamping on as much of the straight portion of the stem as possible. However, the collet or chuck should NOT clamp on the radius at the base of the stem to insure a secure hold before use. See photo above for the correct brush orientation.



Deburring intersecting oil passages in an engine block.



BORE-RX™ CROSSHOLE DEBURRING BRUSHES

Designed for automated use in CNC machining centers and dedicated equipment. They are densely filled for high aggression and long tool life and feature a 3/8" diameter steel stem with a flat for use in a collet or end-mill holder.

Bore-Rx brushes are ideal tools for removing burrs from internal edges. Since they can eliminate manual deburring operations, these internal brushing tools help to improve part-to-part consistency and reduce direct labor costs. Bore-Rx brushes are available in sizes ranging from 3/4" to 4" in diameter, and they are designed to be interpolated within bore sizes that are larger than the brush diameter.

Operating Parameters For Wire Bore-Rx Brushes

Brush	Recommended	Recommended
Diameter	RPM	Feed Rate
5/8" - 7/8"	8,000	20"/min
1" - 1-1/2"	8,000	20"/min
2" - 2-1/2"	6,000	20"/min
3" - 4"	3,000	20"/min

Tool Paths for Crosshole Deburring

An effective tool path for most crosshole deburring jobs is circular interpolation using the following guidelines to determine diameter of interpolation. The interpolation should be performed at a depth where the center of the brush face is at the center of the intersecting hole.

Diameter of Interpolation = Hole Diameter - Brush Diameter





BORE-RX[™] BRUSHING TOOLS - Crimped wire fill - Feature dense wire fill for aggressive deburring action on ductile metals and other hard-to-deburr materials.

	Wire	Face	Overall	Max.	Standard	Item Number
Diameter	Size	Width	Length	RPM	Pack	Steel*
3/4"	.005	3/8"	4-3/8"	8,000	1	17202
		3/4"	4-3/4"			17203
7/8"	.006	3/4"	4-3/4"	8,000	1	17205
1"	.006	3/4"	5"	8,000	1	17207 •
1-1/4"	.006	3/4"	4-3/4"	8,000	1	17209 •
1-1/2"	.006	1"	5"	8,000	1	17211 •
2"	.006	1"	4-1/4"	6,000	1	17214 •
2-1/2"	.008	1"	4-3/4"	6,000	1	17216 •
3"	.008	1"	5-1/4"	6,000	1	17218 •
4"	.0118	1"	6-1/4"	6,000	1	17219

^{*} Stainless Steel fill is available by special order.

Note: All Bore-Rx brush stems have a 2" long flat for use in end mill holders. Alternatively, they can be mounted in 3/8" collets. Bore-Rx extension holder is available. Contact Application Engineering at 888-299-APPS (2777).



CUSTOMIZABLE CROSSHOLE DEBURRING SOLUTIONS

Replacement Bore-Rx Brush Heads and Reusable Bore-Rx Arbors

In high production applications, reusable arbors reduce manufacturing costs by allowing the use of inexpensive brush head replacements. Brush heads are made-to-order in diameters ranging from 3/4" to 1-1/2" with face widths of 1/4" to 1". They are available on 3/16" and 1/4" pins. The pin diameter is based on the application and determines brush density. Contact Application Engineering at 888-299-APPS (2777) for more information.



Replacement Head







[·] Non-stock product, contact Customer Service for lead times

Removing zinc coating from holes in a brake bracket.

MADE IN USA

JAILU ABKASIVES

NON-WOVEN ABRASIVES

POWER BRUSHES

POWER AND HAND TUBE BRUSHES

Weiler offers a comprehensive line of power and hand tube brushes for internal cleaning and deburring applications in tubing, pipe, drilled-and-tapped holes, and machined bores and passages. Due to their twisted-in-wire construction, the use of power tube brushes is limited to low-speed power tools such as drills and drill presses and to CNC and manual machine tools in which the RPM can be precisely programmed or set. In addition, they should not be used in reverse rotation to prevent unraveling of the stem wire. Available in a wide variety of brush configurations and fill materials, Weiler can supply a tube brush for any application. If you do not see what you need in this catalog, see the Special Tube Brush Design Specification Sheet on page 85, or call our toll-free Application Engineering Hotline at 888-299-APPS (2777) for assistance.

APPLICATIONS

- Deburring and cleaning drilled-and-tapped holes and other internal threads
- Cleaning and finishing the ID of tubing and pipe
- Crosshole deburring
- Removing burrs and chips from internal keyways, slots, and grooves
- Removing paint, coatings, and build-up other foreign material from the surfaces of bores and passages

POWER AND HAND TUBE BRUSH SELECTION TIPS

- A flat burrite style tube brush is most effectively used with a holder on blind, threaded holes.
- A round tube brush is most effectively used fully chucked on smooth or threaded blind holes.
- A single stem, single spiral tube brush is most effectively used for manual or hand cleaning applications.
- A double stem, double spiral tube brush is most effectively used with power tools for heavy-duty cleaning and deburring.
- A polyflex encapsulated double stem, double spiral tube brush is most effectively used on power tools for very aggressive cleaning and deburring applications.





DOUBLE STEM, DOUBLE SPIRAL feature four stem wires and a double spiral of straight wire fill material to provide aggressive cleaning and deburring action.

	Wire	Brush	Stem	Overall	Max.	Standard	Item N	lumber
Diameter	Size	Part	Diameter	Length	RPM	Pack	Steel	Stainless
3/8"	.003	1-1/2"	1/8"	4"	2,000	10	21342	_
	.006	2-1/8"		6"			21232	_
1/2"	.004	2"	5/32"	5"	2,000	10	21106	21116
	.006						21107 ▲ ■	21117
	.0104						21252	_
5/8"	.005	2"	7/32"	5"	2,000	10	21108 ■	21118
	.008						21109 🛦	21119
	.0104						21184	_
3/4"	.006	2-1/2"	1/4"	5-1/2"	2,000	10	21110 ▲ ■	21120
	.008						21247	_
	.0104						21111	21121
7/8"	.006	2-1/2"	1/4"	5-1/2"	2,000	10	21112	21122
	.0104						21113	21123
1"	.006	2-1/2"	1/4"	5-1/2"	2,000	10	21114 ▲ ■	21124
	.0104						21115	21125
1-1/4"	.006	2-1/2"	1/4"	5-1/2"	2,000	10	21164	21245
	.0104						21167 *	21236
1-1/2"	.014	2-1/2"	1/4"	5-1/2"	2,000	10	_	21413

- Packaged product available. See pages 136-139 for details. ★ 5" Overall length
- \blacktriangle Available in non-sparking brass wire, see page 92-93 for details.







POLYFLEX™ ENCAPSULATED DOUBLE STEM, DOUBLE SPIRAL

Burgundy Elastomer*- Encapsulated with an elastomer that leaves only the sharp wire tips exposed for maximum aggression and a very rigid brushing action.





	Wire	Brush	Stem	Overall	Max.	Standard	Item Number
Diameter	Size	Part	Diameter	Length	RPM	Pack	Steel
1/2"	.006	2"	5/32"	5"	2,000	10	35821
5/8"	.0104	2"	7/32"	5"	2,000	10	35822
3/4"	.0104	2-1/2"	1/4"	5-1/2"	2,000	10	35823
1"	.0104	2-1/2"	1/4"	5-1/2"	2.000	10	35825 •

^{*} See Elastomer Color Code Chart on page 51 for more information.



ROUND - Feature a single continuous length of stainless steel stem wire and a single spiral of crimped wire fill for a more flexible brushing action; for use on smooth or threaded blind holes.





	Wire	Brush	Stem	Overall	Max.	Standard	Item	Number
Diameter	Size	Part	Diameter	Length	RPM	Pack	Steel	Stainless
1/4"	.004	1"	1/8"	3-1/2"	2,000	10	21072 ▲	21081
5/16"	.005	1"	1/8"	3-1/2"	2,000	10	21175	_
3/8"	.004	1"	1/8"	3-1/2"	2,000	10	21073 ■	21082
	.006						21282	_
	.008						21264	21240
7/16"	.005	1"	1/8"	3-1/2"	2,000	10	21142	21181
1/2"	.005	1"	3/16"	3-1/2"	2,000	10	21074 ▲ ■	21083
9/16"	.005	1"	3/16"	3-1/2"	2,000	10	21143	_
	.0104						_	21404
5/8"	.005	1"	3/16"	3-1/2"	2,000	10	21075 ■	21084
	.008						21265	-
11/16"	.005	1"	3/16"	3-1/2"	2,000	10	21144	-
3/4"	.006	1"	7/32"	3-1/2"	2,000	10	21076	21085
	.008						21266	-
13/16"	.005	1"	7/32"	3-1/2"	2,000	10	21146	_
7/8"	.006	1"	7/32"	3-1/2"	2,000	10	21077 =	21086
	.008						21267	_
15/16"	.005	1"	7/32"	3-1/2"	2,000	10	21148 •	_
1"	.005	1"	1/4"	3-1/2"	2,000	10	21149	21340
	.008						21078 ■	21087
1-1/8"	.005	1"	1/4"	3-1/2"	2,000	10	21150	
	.008						21079	21088
1-1/4"	.008	1"	1/4"	3-1/2"	2,000	10	21080	21089
1-1/2"	.008	1"	1/4"	3-1/2"	2,000	10	21203 🔺	
	.0104						21269	_
2-1/4"	.008	1"	1/4"	3-1/2"	2,000	10	21322	_

- Packaged product available. See pages 136-139 for details. ▲ Available in non-sparking brass wire, see page 92-93 for details.
- Non-stock product, contact Customer Service for lead times

Correct Mounting in Chuck

Incorrect Mounting in Chuck



TUBE BRUSH OPERATING RECOMMENDATIONS

The stems in power tube brushes are not as strong as the stems in most other brushes. Therefore, it is very important to avoid any load conditions and brush speeds that can cause excessive stem deflections and destructive bending.

A suggested guideline to avoid this unsafe condition is minimizing the overhang of the stem to under an inch, and running the brush at speeds below 2,000 RPM.

Increasing overhang could decrease the safe speed at which the brush can operate. To reach into deeper holes, use drill extension rods instead of increasing stem overhang.

BEFORE STARTING THE BRUSH:

- Secure brush in chuck.
- Ensure clockwise brush rotation (running the brush counter-clockwise could cause the brush to fall apart.)
- Clamp work securely.
- Position all guards in place.
- Align brush with the work so the brush rotates on its true centerline to prevent any stem deflections.
- Guide the brush into the hole before starting the brush rotation.
- Always wear eye protection.

[•] Non-stock product, contact Customer Service for lead times

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



	Wire	Brush	Stem	Overall	Max.	Standard	Item N	lumber
Diameter	Size	Part	Diameter	Length	RPM	Pack	Steel	Stainless
1/4"	.003	9/16"	3/32"	2-1/8"	2,000	10	21000	_
	.005						21001	21050
5/16"	.003	9/16"	3/32"	2-1/8"	2,000	10	21004	_
	.005						21005	_
3/8"	.003	9/16"	3/32"	2-1/8"	2,000	10	21008	_
	.005						21009	21051
	.005		1/8"				21023	_
7/16"	.003	9/16"	3/32"	2-1/8"	2,000	10	21014	_
	.005						21015 •	_
1/2"	.003	9/16"	3/32"	2-1/8"	2,000	10	21020	_
	.005						21021	21053
	.005		1/8"				21025 •	_
9/16"	.003	5/8"	1/8"	2-1/4"	2,000	10	21027	_
	.005						21028	_
5/8"	.003	5/8"	1/8"	2-1/4"	2,000	10	21030 •	_
	.005						21031	21055
3/4"	.005	5/8"	1/8"	2-1/4"	2,000	10	21034	21056
	.008						21035	_
7/8"	.005	5/8"	1/8"	2-1/4"	2,000	10	21036	21057
1"	.005	5/8"	1/8"	2-1/4"	2,000	10	21040	21058
	.008						21041	_
1-1/8"	.005	5/8"	1/8"	2-1/4"	2,000	10	21044 •	_



Deburring the threads of a tapped hole using a burrite brush in a holder.





Non-stock product, contact Customer Service for lead times



BURRITE HOLDERS - Feature a 1/4" stem for convenient mounting into the chuck of a drill or the collet of a machine tool and allow the brush to be used in either direction of rotation. They allow the brush to be used in a standard tapping cycle for deburring threaded holes in CNC machining centers.



For Brush Stem Dia.	Holder Diameter	Overall Length	Standard Pack	Item Number
3/32"	1/4"	3-1/8"	5	95202
1/8"	3/8"	3-3/8"	5	95203





SINGLE STEM, SINGLE SPIRAL - Feature 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.

	Wire	Brush	Stem	Overall	Standard	Item Number	
Diameter	Size	Part	Diameter	Length	Pack	Steel	Stainless
1/8"	.003	1"	3/32"	6"	10	21246	21249
3/16"	.003	1-1/2"	3/32"	7"	10	21090 🔺	21098
	.005					21091	21099
1/4"	.003	1-1/2"	3/32"	7"	10	21092 🔺	21100
	.005					21093 🔺	21101
	.006					21161	_
3/8"	.004	2"	1/8"	8"	10	21094 🔺	21414
	.006					21095	21103
1/2"	.004	2"	1/8"	8"	10	21096 🔺	21104
	.006					21097	21105
	.008					21162	-
9/16"	.005	2-1/2"	5/32"	9"	10	21233	_

▲ Available in non-sparking brass wire, see page 92-93 for details.





NYLON HAND TUBE BRUSHES feature a single continuous length of galvanized steel stem wire with a formed eye loop for convenient hand use. The single spiral of straight nylon fill allows for easy manual insertion and scratch-free cleaning of the ID.



	Fill	Brush	Stem	Overall	Standard	Item Number
Diameter	Diameter	Part	Diameter	Length	Pack	Nylon
1/4"	.005	2"	3/32"	6-1/4"	36	44110*
3/8"	.005	2"	3/32"	6-1/4"	36	44213*
1/2"	.010	3"	1/8"	8-1/2"	36	44111*
3/4"	.012	3"	1/8"	8-1/2"	36	44112*
1"	.014	4"	5/32"	12-1/4"	36	44113*
1-1/4"	.014	4"	5/32"	13"	36	44114*
2"	.014	5"	3/16"	16-3/4"	36	44115*

^{*} Globally sourced product



PERCOLATOR BRUSH features single stem, single spiral construction with an eye loop and straight white nylon fill. Intended for cleaning the internal passages in coffee percolators, this brush can be also be used in other similar manual cleaning applications.

Diameter	Fill Diameter	Brush Part	Stem Diameter	Overall Length	Standard Pack	Item Number Nylon
7/16"	.010	3-1/2"	5/32"	11-1/2"	10	44316



VALVE GUIDE BRUSHES are made with single stem, single spiral construction and have a permanently-attached 1/4" diameter long steel handle for convenient hand use or for mounting into a chuck. Intended for removing heavy deposits from valve guides in gas and diesel engines, these brushes can also be used in a range of other similar applications.





44316

Diameter	Fill Diameter / Material	Brush Part	Overall Length	Max. RPM	Standard Pack	ltem Number
1/4"	.0104 Steel	2"	10"	2,000	10	95563 •
5/16"						95027
11/32"						95566 •
3/8"						95028
7/16"						95665 •
1/2"						95029
11/32"	.008 Nylon	2-1/2"	10"	2,000	10	95660 •
3/8"	.012 Nylon					95567 •

[•] Non-stock product, contact Customer Service for lead times



GUN CLEANING BRUSHES - Rifle Brushes - Constructed using a continuous piece of stem wire and fine bronze wire fill for a scratch-free cleaning action in gun barrels, these flexible tube brushes are designed to be attached to extension rods using the 8-32 male coupling.



	Brush	Overall	Coupling	Standard	Item Number	
Caliber	Part	Length	Size	Pack	Bronze	
22	2-1/4"	3-1/4"	8-32	10	95301	
30	2-1/4"	3-1/4"	8-32	10	99786 •	
35	2-1/4"	3-1/4"	8-32	10	99788 •	
45	2-1/4"	3-1/4"	8-32	10	99791 •	

Non-stock product, contact Customer Service for lead times



GUN CLEANING BRUSHES - Shotgun Brushes - Constructed using a continuous piece of stem wire and fine bronze wire fill for a scratch-free cleaning action in gun barrels, these flexible tube brushes are designed to be attached to extension rods using the 5/16"-27 male coupling.



	Brush	Overall	Coupling	Standard	Item Number	
Gauge	Part	Length	Size	Pack	Bronze	
12	1-5/8"	2-7/8"	5/16-27	10	99714 •	
16	1-5/8"	2-7/8"	5/16-27	10	99694 •	
20	1-5/8"	2-7/8"	5/16-27	10	95084	
410	1-5/8"	2-7/8"	5/16-27	10	95129 •	

Non-stock product, contact Customer Service for lead times

SPECIAL TUBE BRUSH SPECIFICATION SHEET:

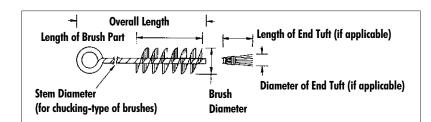
ı	Use	the	illustration	on th	nis	nage	as a	a a	uide)	

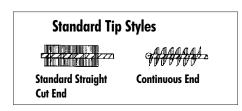
1.	Brush diameter
2.	Length of brush part

- Overall brush length _____
- Special stem diameter (if required)
- Stem material:
 - ☐ Galvanized Steel ☐ Stainless ☐ Other
- Application _____
- 7. Brush fill material:
 - Steel wire Stainless wire
 - Nylon Abrasive Filament (Nylox®)
 - ☐ Brass wire ☐ Other _____
- 8. Fill material diameter _____
- 9. Special tip style (if required) _____
- 10. ☐ Single stem ☐ Double stem
- 11. Order Quantity _____

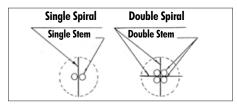
Name:
Company Name:
Address:
Phone: ()
ax: ()

End-User Name:	
City:	
State:	Zip:









FOR ADDITIONAL INFORMATION CALL:

Weiler's Application Engineering Hotline toll free at: 888-299-APPS (2777)

FAX SPECIFICATION SHEET TO:

Application Engineering Fax: 800-635-3615



NEW! **CROSSFLEX**

Cross hole deburring and honing solutions for off-hand and automated applications.

See pages 86-89

^{*} Special tube brushes are not returnable, as they are manufactured to order.

CROSSFLEX™ HONING BRUSHES

CrossFlex offers machinists the right combination of performance and value for professional honing applications. Flexible filaments provide the correct pressure to create an ideal hone; one bore after another. It's the ideal tool to create cross-hatch patterns for improved oil retention and increased part efficiency. The strong self-centering system leaves a smooth, even surface finish free of metal burrs whether used in a manual or automated application.



Deburring cross holes in a firearms component.

No matter what type or size cylinder, Weiler's CrossFlex brushes deliver the options you need to solve your toughest deburring and honing challenges.

FEATURES & BENEFITS:

- Desired Finish
 - CrossFlex offers a wide range of grits and sizes allowing machinists to achieve the desired finish.
- Heavy Burr Removal
 - Increased brush to part contact ensures that the heaviest burrs will be removed, outperforming standard nylon tube brushes.
- Long Life
 - CrossFlex brushes have a long operational life, lowering total cost of use compared to other brush options.
- Flexible Nylon Stems
 - Distribute pressure evenly and self centers within the part to create an ideal hone.
- Consistent Cross Hatch Pattern
 - Helps to seat piston rings and retains oil for lubrication in a combustion cylinder.
- Collet Ready Brushes
 - Deliver a true center rotation and exceptional brush balance for automated applications or hand held use.



CROSSFLEX ABRASIVE GRITS: Every individual brush end tip is colored to indicate the grit of that brush.

GREEN = 120 Grit

GREY = 180 Grit

ORANGE = 240 Grit

WHITE = 320 Grit

Course / Fine



COLLET READY BENEFITS FOR SMALL DIAMETER BRUSHES:

- Reduces brush run-out
- Strengthens and sturdies brush shaft for better stability and overall reach
- Strong positive engagement with tool holder



Collet ready CrossFlex brush in a CNC machine.



SMALL DIAMETER CROSSFLEX HONING BRUSHES

Silicon carbide cross-honing brushes for standard use. Ideal for deburring small diameter cross hole intersections.

For Hole Sizes in Inches	For Hole Sizes in mm	Length of Brush Part	Overall Length	Shank Diameter	Max RPM	120 Grit Item No.	180 Grit Item No.	240 Grit Item No.	320 Grit Item No.
0.177"	4.5 mm	0.787"	6"	0.083"	1,000	_	34105	34106	34107
0.1857"	4.7625 mm					_	34108	34109	34110
0.197"	5 mm	1.575"	7.875"			34111	34112	34113	34114
0.217"	5.5 mm					34115	34116	34117	34118
0.236"	6 mm			0.098"		34119	34120	34121	34122
0.25"	6.35 mm]				34123	34124	34125	34126
0.276"	7 mm	1.969"		0.13"	900	34127	34128	34129	34130
0.315"	8 mm			0.142"		34131	34133	34134	34135
0.354"	9 mm					34136	34137	34138	34139
0.375"	9.5 mm		0.157"		0.157"	34141	34142	34143	34144
0.394"	10 mm					34145	34146	34147	34148
0.433"	11 mm]		0.157"		34149	34150	34151	34152
0.472"	12 mm	1				34153	34154	34155	34156
0.5"	12.7 mm	2.48"		0.173"		34158	34159	34160	34161
0.552"	14 mm]		0.197"	1	34162	34163	34164	34165
0.625"	16 mm]				34166	34167	34168	34169
0.709"	18 mm	1				34170	34171	34172	34173
0.75"	19mm	1				34174	34175	34176	34177
0.787"	20 mm	1				34178	34179	34180	34181
0.875"	22 mm]		0.213"	0.213"	34182	34183	34184	34185
0.9375"	23.8 mm	3"				34186	34187	34188	34189



NEW!

COLLET READY – SMALL DIAMETER CROSSFLEX HONING BRUSHES

Silicon carbide cross-honing brushes for standard use within automated applications and to reduced brush run-out.

For Hole Sizes in Inches	For Hole Sizes in mm	Length of Brush Part	Overall Length	Shaft Diameter	Max RPM	120 Grit Item No.	180 Grit Item No.	240 Grit Item No.	320 Grit Item No.	
0.177"	4.5 mm	0.75"	6"	5/32"	1,000	_	34298	34299	34359	
0.188"	4.763 mm					_	34300	34301	34302	
0.197"	5 mm	1.5"	7.875"			34303	34304	34305	34306	
0.217"	5.5 mm					34307	34308	34309	34310	
0.236"	6 mm					34311	34312	34313	34314	
0.25"	6.35 mm					34315	34316	34317	34318	
0.276"	7 mm	2"	2"		1/4"	4" 900	34319	34320	34321	34322
0.315"	8 mm					34323	34324	34325	34326	
0.354"	9 mm					34327	34328	34329	34330	
0.375"	9.5 mm					34331	34332	34333	34334	
0.394"	10 mm					34335	34336	34337	34338	
0.433"	11 mm					34339	34340	34341	34342	
0.472	12 mm			8 mm		34343	34344	34345	34346	
0.5"	12.7 mm	2.5"				34347	34348	34349	34350	
0.552"	14 mm					34351	34352	34353	34354	
0.625"	16 mm					34355	34356	34357	34358	









NEW!

MEDIUM DIAMETER CROSSFLEX HONING BRUSHES

Silicon carbide cross-honing brushes for standard use. Ideal for changing the surface finish in machined bores and deburring the ID of castings.



For Hole Sizes in Inches	For Hole Sizes in mm	Length of Brush Part	Overall Length	Shank Diameter	Max RPM	120 Grit Item No.	180 Grit Item No.	240 Grit Item No.	320 Grit Item No.
1"	25.4 mm	3"	7.875"	0.213"	900	34190	34191	34192	34193
1.125"	29 mm			0.224"	800	34194	34195	34196	34197
1.25"	31.8 mm			0.252"		34198	34199	34200	34201
1.375"	35 mm]				34202	34203	34204	34205
1.5"	38 mm]				34206	34207	34208	34209
1.625"	41 mm]				34210	34211	34212	34213
1.75"	45 mm]				34214	34215	34216	34217
1.875"	47.6 mm]				34218	34219	34220	34221
2"	51 mm]				34222	34223	34224	34225
2.125"	54 mm			0.283"	700	34226	34227	34228	34229
2.25"	57 mm					34230	34231	34232	34233
2.375"	60 mm]				34234	34235	34236	34237
2.5"	64 mm					34238	34239	34240	34241
2.625"	67 mm]				34242	34243	34244	34245
2.75"	70 mm					34246	34247	34248	34249
2.875"	73 mm]				34250	34251	34252	34253
3"	76 mm	5.5"	13.5"	0.311"		34254	34255	34256	34257



NEW!

HEAVY-DUTY MEDIUM DIAMETER CROSSFLEX HONING BRUSHES

Silicon carbide cross-honing brushes for heavy-duty use. Ideal for changing the surface finish in machined bores and deburring the ID of castings.

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For Hole Sizes in Inches	For Hole Sizes in mm	Length of Brush Part	Overall Length	Shank Diameter	Max RPM	120 Grit Item No.	180 Grit Item No.	240 Grit Item No.	320 Grit Item No.	
3"	76 mm	5.5"	13.5"	0.311"	700	34258	34259	34260	34261	-
3.25"	83 mm					34262	34263	34264	34265	
3.5"	89 mm					34266	34267	34268	34269	







Engine cylinder head honing.

NEW!

HEAVY-DUTY LARGE DIAMETER CROSSFLEX HONING BRUSHES

Silicon carbide cross-honing brushes for heavy-duty use. Ideal for cross hatching in combustion cylinders.



For Hole Sizes in Inches	For Hole Sizes in mm	Length of Brush Part	Overall Length	Shank Diameter	Max RPM	120 Grit Item No.	180 Grit Item No.	240 Grit Item No.	320 Grit Item No.
3.75"	95 mm	5.5"	13.5"	0.311"	700	34270	34271	34272	34273
4"	101 mm	6.5"		0.346	600	34274	34275	34276	34277
4.25"	108 mm					34278	34279	34280	34281
4.5"	114 mm]				34282	34283	34284	34285
5"	127 mm]	18"]		34286	34287	34288	34289
5.5"	140 mm]		0.402"		34290	34291	34292	34293
6"	152 mm]				34294	34295	34296	34297

SPECIALTY BRUSHES

Weiler understands that not all your finishing or deburring applications have a standard solution. For instances where applications require unique sizes, lengths or abrasives; Weiler Process Solutions (WPS) specialists work with you to provide custom CrossFlex brushes for your specific application.

- Custom sized for your specific bore diameters
- Brushes with shorter or longer stems for your particular application
- Collet ready or other connection methods
- Options in a variety of abrasives including silicon carbide, aluminum oxide, zirconia alumina and ceramic grains



An application engineering program designed to provide Weiler customers with engineering support to identify value added opportunities in their processes.

To learn more about Weiler's specialty solutions go to: weilerabrasives.com/wps



Custom large diameter ceramic CrossFlex brush.



Removing galled spots from a metal forming die.

MINIATURE BRUSHES

THE WEILER FAMILY began producing miniature brushes for the jewelry industry in 1898, and their tradition of providing the highest quality, most cost-effective products continues to this day.

Weiler's line of miniature brushes are designed for precision cleaning, light deburring, and finishing applications in a variety of crafts, trades, and industries. In addition to use in jewelry production and in dental and optical labs, miniature brushes have many applications in modern industries such as electronics and instrumentation production, aerospace and aircraft manufacture, and precision tool and die shops. They are permanently mounted on 1/8" or 3/32" stems for quick mounting and efficient use on high-speed electric rotary tools and air-powered pencil die grinders.

APPLICATIONS

- Decorative finishing
- Light deburring and edge blending
- Buffing and polishing of small parts
- Light-duty cleaning





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

	Wire	Trim	Stem	Stem	Max.	Standard	d Item Number		r
Diameter	Size	Length	Size	Length	RPM	Pack	Steel	Stainless	Brass
5/8"	.005	1/8"	1/8"	1-1/2"	37,000	144	_	99554	-
3/4"	.003	3/16"	1/8"	1-1/2"	37,000	144	26000	-	26001 •
	.005						26003	26005	26004 •
3/4"	.003	3/16"	3/32"	1-1/2"	37,000	144	26140 •	-	26141 •
	.005						26143	-	26144
1"	.003	5/16"	1/8"	1-1/2"	37,000	144	26012	26014	-
	.005						26015	26017	26016
	.005	5/16"	3/32"				26155 •	-	_
1-1/4"	.005	3/8"	1/8"	1-1/2"	37,000	144	26021	_	-
1-1/2"	.005	1/2"	1/8"	1-1/2"	25,000	144	26296	26294	_

Non-stock product, contact Customer Service for lead times





BRISTLE WHEEL BRUSHES - Natural hair fill for scratch-free cleaning of small parts or for buffing and polishing of features such as slots and grooves using abrasive compounds.



Double thick





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









BRISTLE CUP BRUSHES - Natural hair fill for scratch-free cleaning of confined areas or for buffing and polishing of small recessed surfaces using abrasive compounds.

Standard Pack	ltem Number
144	26091
144	26093
	26094 •

	Fill	Trim	Stem	Stem	Overall	Max.	Standard	Item
Dia.	Туре	Length	Size	Length	Length	RPM	Pack	Number
1/2"	Stiff Hair	7/32"	3/32"	1-1/2"	2"	37,000	144	26091
9/16"	Stiff Hair	1/4"	1/8"	1-1/2"	2"	37,000	144	26093
	Soft Hair							26094 •
1"	Stiff Hair	7/16"	1/8"	1-1/2"	2-3/8"	25,000	144	26095
	Soft Hair							26096 •

WIRE END BRUSHES - Fine crimped wire fill for light-duty cleaning or deburring in very small recessed areas or ID's.



	Wire	Trim	Stem	Stem	Overall	Max.	Standard					r
Dia.	Size	Length	Size	Length	Length	RPM	Pack	Steel	Stainless	Brass		
3/16"	.003	1/4"	1/8"	1-1/4"	1-7/8"	37,000	144	26098	26099	26097		
			3/32"					26101 •	_	_		
1/4"	.005	7/16"	1/8"	1-1/4"	2-1/8"	37,000	144	26107	26108	26106		
5/16"	.005	9/16"	1/8"	1-1/4"	2-3/8"	25,000	144	26113	26114	_		



Non-stock product, contact Customer Service for lead times

P BRISTLE END BRUSHES - Natural hair fill for scratch-free cleaning or for buffing and polishing of very small recesses using abrasive compounds.



	Fill	Trim	Stem	Stem	Overall	Max.	Standard	Item
Dia.	Туре	Length	Size	Length	Length	RPM	Pack	Number
3/16"	Stiff Hair	1/4"	1/8"	1-1/4"	1-7/8"	37,000	144	26115
	Soft Hair							26122
	Stiff Hair		3/32"					26116
1/4"	Stiff Hair	3/8"	1/8"	1-1/4"	2-1/8"	37,000	144	26119
5/16"	Stiff Hair	9/16"	1/8"	1-1/4"	2-3/8"	25,000	144	26121



P BRISTLE END BRUSHES - Plastic Ferrule

Feature a plastic ferrule or cup to protect internal surfaces during use.



Dia,	Fill Type	Trim Length	Stem Size	Stem Length	Overall Length	Max. RPM	Standard Pack	Item Number
3/16"	Stiff Hair	1/4"	1/8"	1-1/4"	1-7/8"	37,000	144	26128
1/4"	Stiff Hair	3/8"	1/8"	1-1/4"	2-1/8"	37,000	144	26131
5/16"	Stiff Hair	9/16"	1/8"	1-1/4"	2-3/8"	25,000	144	26133



P ABRASIVE NYLON END BRUSHES - Plastic Ferrule - Nylox® abrasive nylon fill for buffing and polishing without compounds. They can also be used in automated applications for precision deburring and finishing of small part features.



Dia.	Filament Dia./Grit	Trim Length	Stem Size	Stem Length	Overall Length	Max. RPM	Standard Pack	Item Number
3/16"	.018/500	1/4"	1/8"	1-1/4"	1-7/8"	37,000	144	26136
1/4"	.018/500	3/8"	1/8"	1-1/4"	2-1/8"	37,000	144	26138
5/16"	.018/500	9/16"	1/8"	1-1/4"	2-3/8"	25,000	144	26146



Deburring the I.D. of a small machined part with miniature wire end brush.



Creating an antique finish on a brass plate.

NON-SPARKING BRUSHES

Weiler offers an assortment of wire non-sparking brushes featuring high-quality bronze or brass wire that offer a very soft brushing action in comparison to steel and stainless steel and will not generate a spark when used on metal surfaces. These products are available in a variety of knot wire and crimped wire configurations for use in a broad range of surface cleaning applications, and they are manufactured with individual knot hole and solid ring construction for high performance and long life. Weiler's non-sparking power brushes are available with plain arbor holes, nuts, and permanently-attached stems for use on a variety of tools.

APPLICATIONS

- Light to medium duty cleaning of surfaces, recesses, and ID's
- Deburring component parts machined from soft, non-ferrous metals
- Cleaning molds and dies in the injection-molding and extrusion of plastics
- Maintenance activities in areas where flammable or potentially explosive materials are present, such as refineries and petrochemical plants.







STANDARD TWIST WHEELS provide a heavy-duty brushing action with some flexibility; ideal for more demanding 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 Bronze
3"	.020	1/2"- 3/8"	20	3/8"	5/8"	1/2"	7/16"	25,000	10	08271
4"	.020	5/8" - 11	24	1/2"	7/8"	_	7/16"	20,000	5	13121

For threaded arbor hole adapters see page 61.





CRIMPED WIRE WHEELS provide a flexible brushing action and consistent performance for light-duty cleaning and deburring applications.



Diameter	Wire Size	Arbor Hole	Face Width	Trim Length	Max. AH Avail.	Thickness at Face Plates	Max. RPM	Standard Pack	Item Number Brass
6"	.005	5/8"-1/2"	1/2"	1-7/16"	1-1/4"	7/16"	6,000	2	01415
	.0118								01475

 $For arbor \ hole \ adapters \ see \ page \ 72. \ For \ other \ available \ arbor \ holes, \ see \ Arbor \ Hole \ Variations \ Table \ on \ page \ 51.$





P SMALL DIAMETER CRIMPED WIRE WHEELS provide a flexible brushing action and consistent performance for light-duty cleaning and deburring applications requiring a small wheel.



	Wire	Arbor	Face	Trim	Max.	Standard	Item Number
Diameter	Size	Hole	Width	Length	RPM	Pack	Brass
1-1/2"	.005	3/8"	1/4"	7/16"	20,000	10	29178
2"	.005	1/2"	3/8"	1/2"	20,000	10	29059
	.0118						29086
3"	.014	1/2"	5/8"	1"	20,000	10	29078

For adapters and drive arbors see page 69.





CONFLEX BRUSH - Small diameter wheels permanently mounted onto a 1/4" stem to provide a very flexible brushing action.



	Wire	Face	Trim	Max.	Standard	Item Number
Diameter	Size	Width	Length	RPM	Pack	Brass
3"	.0118	1/2"	1"	20,000	10	17641 ■

■ Packaged product available. See pages 136-139 for details.



13299

KNOT WIRE CUP BRUSHES provide heavy-duty brushing action with some flexibility for more demanding cleaning applications on relatively flat surfaces.

	Diameter	Wire Size	Arbor Hole	Trim Length	Max. RPM	Standard Pack	Item Number Bronze
-	2-3/4"	.020	5/8"-11 UNC	1"	14,000	1	13299
_	4"	.020	5/8"-11 UNC	1-1/4"	10,200	1	12776

For threaded arbor hole adapters see page 61.

CRIMPED WIRE CUP BRUSHES provide a very flexible brushing action for light-duty cleaning applications on somewhat irregular surfaces.

	Wire		Trim	Max.	Standard	Item N	Item Number	
Diameter	Size	Hole	Length	RPM	Pack	Bronze	Brass	
3"	.020	5/8"-11 UNC	7/8"	14,000	1	13231	_	
4"	.020	5/8"-11 UNC	1-3/8"	10,200	1	14616	-	
5"	.014	5/8"-11 UNC	1-1/4"	9,000	1	-	14606	
6"	.020	5/8"-11 UNC	1-1/4"	6,600	1	14316*	-	

^{*} With internal nut For threaded arbor hole adapters see page 61.



UTILITY CRIMPED WIRE CUP BRUSHES - Smaller diameter cup brushes that provide a flexible brushing action for light-duty cleaning applications.

4	
-4:0	- <i>11</i>

	Wire	Trim	Stem	Overall	Max.	Standard	Item Number
Diameter	Size	Length	Diameter	Length	RPM	Pack	Brass
1-3/4"	.006	3/4"	1/4"	2-5/16"	13,000	10	14310 •
	.0118						14314
2-3/4"	.0118	7/8"	1/4"	2-1/2"	6,000	1	14311



Non-stock product, contact Customer Service for lead times





	Wire	Trim	Stem	Overall	Max.	Standard	Item Number
Diameter	Size	Length	Diameter	Length	RPM	Pack	Bronze
1-1/8"	.020	7/8"	1/4"	2-5/8"	22,000	10	10067



CRIMPED WIRE END BRUSHES feature a solid end and very flexible brushing action ideal for light-duty cleaning applications in corners and hard-to-reach areas.



Diameter	Wire Size	Trim Length	Stem Diameter	Overall Length	Max. RPM	Standard Pack	Item Number Brass
1/2"	.005	7/8"	1/4"	2-9/16"	25,000	10	10158
1"	.005	7/8"	1/4"	2-5/8"	20,000	10	10128
1"	.0118	1"	1/4"	2-5/8"	22,000	10	10091



DOUBLE STEM. DOUBLE SPIRAL POWER TUBE BRUSHES - Constructed with four stem wires and a double spiral of straight wire fill material to provide a more aggressive internal cleaning action.



	Wire	Brush	Stem	Overall	Standard	Item Number
Diameter	Size	Part	Diameter	Length	Pack	Brass
1/2"	.006	2"	5/32"	5"	10	21178
5/8"	.008	2"	7/32"	5"	10	21219
3/4"	.006	2-1/2"	1/4"	5-1/2"	10	21179
1"	.006	2-1/2"	1/4"	5-1/2"	10	21218



ROUND POWER TUBE BRUSHES feature a single continuous length of stainless steel stem wire and a single spiral of crimped wire fill for a more flexible brushing action; suitable for use on smooth or threaded blind holes.



	Wire	Brush	Stem	Overall	Standard	Item Number
Diameter	Size	Part	Diameter	Length	Pack	Brass
1/4"	.004	1"	1/8"	3-1/2"	10	21332
1/2"	.005	1"	3/16"	3-1/2"	10	21182
1-1/2"	.008	1"	1/4"	3-1/2"	10	21152



SINGLE STEM, SINGLE SPIRAL HAND TUBE BRUSHES - Constructed using a single continuous length of galvanized steel stem wire and feature a formed eye loop for convenient hand use. The single spiral of straight wire fill allows for easy manual insertion into the ID.

	Wire	Brush	Stem	Overall	Standard	Item Number
Diameter	Size	Part	Diameter	Length	Pack	Brass
3/16"	.003	1-1/2"	3/32"	7"	10	21221
1/4"	.003	1-1/2"	3/32"	7"	10	21270
	.005					21139
3/8"	.004	2"	1/8"	8"	10	21191
1/2"	.004	2"	1/8"	8"	10	21165





Straight strip brush used as a guard to prevent chips from flying.

STRIP BRUSHES

METAL CHANNEL STRIP BRUSHES consist of natural, synthetic or wire bristles, held securely in place by a U-shaped metal channel and center wire, as illustrated. All Weiler brushes are first manufactured into a straight strip brush. The strip can then be coiled into cylinder brushes, or other shapes such as discs and cups. There are a variety of brush fills and virtually an infinite

number of brush specifications within each metal channel size. All strip brushes are manufactured to our customers' individual requirements. This provides the proper filament stiffness, and allows for customers' unique modification of length and trim, enabling us to provide the ideal brush for the application.

Center wire End view Metal Brush fill channel

APPLICATIONS

- Spreading powdered materials
- Dusting tires, tile, paper, etc.
- Splash guard on grinders and machine tools
- Conveyor belt cleaning assembled on hubs to form rotary brushes
- Lag brushes
- Eliminating static electricity
- Curtains to prevent chips from flying



GENERAL FIBER CHARACTERISTICS

Characteristic	6.6 Nylon	6.12 Nylon	Polypropylene	Horse Hair	Tampico
Heat Distortion (°F)	300	250	225	370	283
Melting Point	500	405	330	_	_
Bend Recovery (%)	90	90	70-80	excellent	poor
Shelf Life	excellent	excellent	good	poor	fair
Abrasion Resistance	excellent	excellent	good	good	poor
Specific Gravity (G/CC)	1.13-4	1.04-5	.90-1	1.3	.6
Tensile Strength (PSI)	60-70M	50-60M	50-80M	_	_

CHEMICAL AND ENVIRONMENTAL RESISTANCE

Characteristic	6.6 Nylon	6.12 Nylon	Polypropylene	Horse Hair	Tampico
Dilute Alkali	excellent	excellent	excellent	poor	good
Dilute Acids	good	good	excellent	poor	good
Strong Acids	fair	good	good	good-poor	good-poor
Alcohols	good	good	excellent	poor	good
Petroleum Distillates	excellent	excellent	good	poor	good
Hot Water	good	good	fair	poor	good
Alcohols, Vegetable Oils	good	good	excellent	poor	good

STRIP BRUSHES - STRAIGHT

Can be mounted on metal or wood back-up plates or on rotary hubs with machine or wood screws.

FILL MATERIALS

- Hair (horse, goat, etc.)
- Carbon steel
- Type 302 stainless steel
- Non-ferrous metals (brass, bronze, etc.)
- Nylon abrasive filament (Nylox®)
- Natural fibers (tampico)
- Synthetics (nylon, polypropylene)



STRIP BRUSHES - STRAIGHT

Metal				Channel Materials					
Channel	Before	Before After Forming		Stainless Steel		Max.	Max. Bristle	Max. Bristle	
Size	Forming	(width x height)	Steel	400 Seres	300 Seres	OAH	Diameter (nylon)	Diameter (wire)	
#2.5	5/16" x .025	1/8 (.125) x 1/8" (.125)	XXX	XXX	_	1-1/2"	.012	.006*	
#3	3/8" x .025	5/32" (.156) x 5/32" (.156)	XXX	XXX	_	3-1/2"**	.014	.006*	
#4	1/2" x .030	3/16" (.187) x 3/16" (.187)	XXX	XXX	XXX	4"	.025	.008	
#5	5/8" X .040	7/32" (.218) X 1/4" (.250)	XXX	XXX	_	4-1/2"	.030	.008	
#7	7/8" X .040	5/16" (.312) X 5/16" (.312)	XXX	XXX	XXX	6"	.050	.020	
#10	1-1/4" X .050	7/16" (.437) X 7/16" (.437)	XXX	XXX	_	6"	.060	.020	

^{*} Available in brass or bronze only.

STRAIGHT STRIP BRUSHES SPECIFICATIONS:

Illen the	e illustration	on thic	nagga ag	ahiiin c

(Use	the illustration on this page as	a guide)			
1.	Overall brush height:				
2.	Overall brush length:				
3.	Channel size:				
	□ #2.5 □ #3	4 4			1. Overall height 2
	□ #5 □ #7	4 10			2. Overall length Retaining
4.	Channel material:	Galvanized Steel	Stainless Steel		3. Channel size wire
5.	Brush fill material:				
	☐ Horsehair	Nylon	□ Carbon Steel	Bronze	
	Polypropylene	Brass	☐ 302 Stainless	□ Tampico	
	Nylon Abrasive Filan	nent (Nylox)	Other		
6.	Fill material: 🗖 Crimpe	d 🖵 Straight			
	Diameter:	Color (if appl	icable):		
7.	Application: \square Wet	□ Dry	Operating Temp.:	°F	
8.	Quantity required:				

Name:	End-User Name:
Company Name:	City:
Address:	State: Zip:
Phone: ()	
Fov: /	

FOR ADDITIONAL INFORMATION CALL:

Weiler's Application Engineering Hotline toll free at: 888-299-APPS (2777)

FAX SPECIFICATION SHEET TO:

Application Engineering Fax: 800-635-3615

^{**} Max. wire OAH 1-1/2".

^{*} Strip brushes are not returnable, as they are manufactured to order.

STRIP BRUSHES - COIL WOUND

Can be supplied as an unmounted refill coil, mounted on disposable tubing or wound on a customer's shaft.

FILL MATERIALS

- Hair (horse, goat, etc.)
- Carbon steel
- Type 302 stainless steel
- Non-ferrous metals (brass, bronze, etc.)
- Nylon abrasive filament (Nylox[®])
- Natural fibers (tampico)
- Synthetics (nylon, polypropylene)

ALLIGATOR CLIPS - Use on #7 channel only. Coil Wound Strip Brushes can be supplied with alligator clips that have tabs at each end to be attached to customers' mandrel.









L.H. Tang

OPEN WOUND COIL

Straight Tang

STRIP BRUSHES - COIL WOUND

Metal	ı		CI	hannel Materia	ıls			Max. Max.	Max.
Channe	el Before	After Forming	Galvanized	Stainle	ss Steel	Min.	Max.	Bristle	Bristle
Size	Forming	(width x height)	Steel	400 Seres	300 Seres	I.D.	0.D.	Dia. (nylon)	Dia. (wire)
#2.5	5/16" x .025	1/8 (.125) x 1/8" (.125)	XXX	XXX	_	3/8"	3-3/8"	.012	.006*
#3	3/8" x .025	5/32" (.156) x 5/32" (.156)	XXX	XXX	_	3/8"	7"	.014	.006*
#4	1/2" x .030	3/16" (.187) x 3/16" (.187)	XXX	XXX	XXX	1/2"	7"	.025	.008
#7	7/8" X .040	5/16" (.312) X 5/16" (.312)	XXX	XXX	XXX	1"	11"	.050	.020

^{*} Available in brass or bronze only.

COIL WOUND STRIP BRUSHES SPECIFICATIONS:

(Use	the illustration on this page as a g	uide)			1. Outside Diameter
1.	Outside diameter size				2. Inside Diameter
2.	Inside diameter size				2 3. Brush Face 4. Pitch between
3	Brush face				Fill material spirals
4.	Channel size:				
	□ #2.5 □ #3	4 4	47		CLOSE WOUND COIL
5.	Channel material: 🔲 G	alvanized Steel	☐ Stainless Steel		3
6.	Brush fill material:				1. Outside
	☐ Horsehair	■ Nylon	Carbon Steel	■ Bronze	Diameter 2. Inside Diameter
	Polypropylene	Brass	■ 302 Stainless	□ Tampico	3. Brush Face
	■ Nylon Abrasive Filamer	nt (Nylox)	□ Other		
7.	Fill material: 🖵 Crimped	Straight			
	Diameter:	Color (if appl	icable):		
8.	Close wound	Open wound	d Specify	pitch between	spirals
9.	Mounting Clips:	☐ No			
10.	Application:	□ Dry	Operating Temp.:	°	F
11.	Quantity required:				
		* Strip brushes	are not returnable,	as they are ma	nufactured to order.
Nar	ne:			End-User Na	me:
Con	npany Name:			City:	
Add	lress:			State:	Zip:

FOR ADDITIONAL INFORMATION CALL:

Phone: (Fax: (_

Weiler's Application Engineering Hotline toll free at: 888-299-APPS (2777)

FAX SPECIFICATION SHEET TO:

Application Engineering Fax: 800-635-3615



STRIP BRUSHES - DISC BRUSHES

Outside Disc: A circular single loop brush with the bristles facing OUTWARD, and the metal channel on the inside.

Inside Disc: A circular single loop brush with the bristles facing INWARD, and the metal channel on the outside.

STRIP BRUSHES - FORMED CUPS

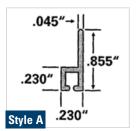
These strip brushes are formed into a circle with the bristles facing down, commonly found in vacuum cleaning applications.

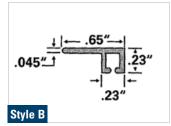




HOLDERS FOR METAL CHANNEL SIZE #2.5

Max. length 12'

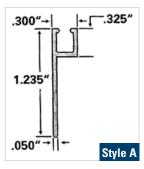


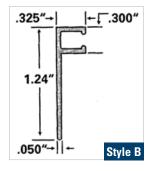


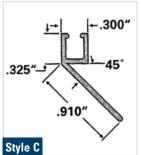


HOLDERS FOR METAL CHANNEL SIZE #4

Max. length 12'

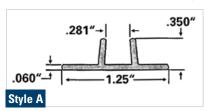


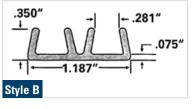


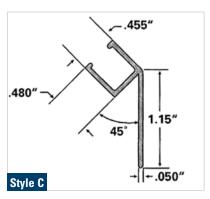


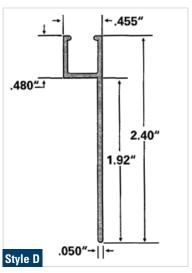
HOLDERS FOR METAL CHANNEL SIZE #7

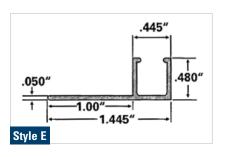
Max. length 12'











NOTE

All holder styles are constructed of aluminum



Removing light corrosion and mill scale from coiled steel.





WIDE FACE BRUSHES

Cylindrical brush assemblies have proven to be reliable and economical tools for a wide variety of industrial surface conditioning applications. In addition to gang-mounting a series of individual wheel brushes onto a shaft or reusable arbor, one-piece wide face brush units can be manufactured to cover broad surfaces or provide maximum brushing action in a minimum amount of space.

Cylindrical brushes can be manufactured using several different styles of construction, and the characteristics of each style of construction can significantly affect brush performance. Weiler will custom-design a wide face brush in the most appropriate type of construction for your specific application. Please call our Application Engineering Team at 888-299-APPS (2777) to discuss your requirements.

APPLICATIONS

- Scrubbing debris from the surface of material during processing
- · Removing corrosion, surface contamination, mill scale, or heat discoloration
- Roughening surfaces to promote adhesion or bonding
- Removing applied finishes and coatings
- Producing decorative surface finishes
- Deburring or finishing cylindrical parts
- Deburring the cut ends of tubing and extrusions

DISPOSABLE BRUSH ASSEMBLIES - Wide face assemblies for brushing flat surfaces can be manufactured as disposable units with a variety of available fill materials depending on the specific application. Available fills include; metallic filaments such as steel, stainless steel, or brass crimped wire; Nylox® nylon abrasive filaments; synthetic filaments such as nylon or heat-stabilized polypropylene; or natural fibers such as tampico.

Disposable mountings can be constructed of carbon steel or stainless steel components, and "flow-through" mountings which allow coolant to be circulated through the core and out the face of the brush are available for wet applications.

REFILLABLE BRUSH ASSEMBLIES - Wide face assemblies for brushing flat surfaces can also be manufactured as a replaceable brush unit wound onto a permanent and reusable arbor. Depending on the specific application and production environment, refilling reusable arbors may be a more economical option than using disposable units. Reusable mountings can be designed by Weiler or supplied by the customer.

In addition to the secondary operations such as nibbling and grinding of the brush face and dynamic balancing of the completed unit. Weiler also offers maintenance services on mounting hardware like collars and bearings.

TUBE END DEBURRING BRUSHES - Cylindrical rotary brushes are an ideal media for production applications involving the batch deburring of the ends of tubing that has been cut-to-length. Automated brushing systems are readily available and considerably less expensive to purchase and operate than chamfering machines.

Brush deburring machines can be integrated with cut-off operations to eliminate work-in-process and increase throughput, and they are flexible enough to be quickly adjusted for various shapes, sizes, and lengths of tubing. Unlike chamfering operations, brush deburring does not leave secondary burrs, brushing equipment is more tolerant of slight variations in machine set-up and tube length, and quality brushes last much longer than cutting inserts on double-end finishers.

Tube end deburring brushes are most commonly manufactured as disposable assemblies that are then mounted onto keyed shafts. High-tensile steel, hard-drawn steel, and Type 302 stainless steel wire are the most common fill materials used in tube end deburring brushes. Weiler offers high quality brushes with wire sizes from .006 to .020 and four available levels of fill density so that the brushing performance can be tailored to the material, burr condition, and budget of the end-user.

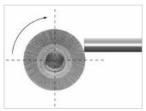
CUSTOM TUBE END DEBURRING BRUSHES - Please use the appropriate specification sheet on the next page when requesting a quotation on a custom tube end deburring brush.

NEED HELP?

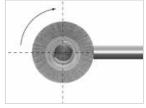
Call our Application Engineering Hotline at 888-299-APPS (2777). If the problem is too complex to be solved over the phone, we will determine if an evaluation should be conducted at our in-house lab or your facility. Either way, Weiler will provide the most costeffective solution for your specific application.

BRUSH-TUBE ORIENTATION

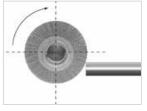
Brush-tube orientation determines which edges of the tube are deburred. The illustrations below show three orientations and the target edge.



Deburring Tube I.D.



Deburring Tube I.D. and O.D.



Deburring Tube 0.D.

WIDE FACE BRUSH SPECIFICATION SHEET:

To help us accurately quote a wide face brush for your application, please provide the following information:

Face Width	
Brush Diameter Adapter Width	Sideplate Diameter Arbor Hole Diameter
Roll-to-Roll Distance	
Sideplate Diameter Standard sizes: 6" brush = 3-3/4" O.D. 8" brush = 5-1/4", 5-1/2" or 6-1/2" O.D. >8" brush = 5-1/2" or 6-1/2" O.D. Maximum Operating RPM Adapter Width (Note: Adapters are 1/2" thick, toler	Note: Tolerance is +/- 1/8") ridth dimension or the roll-to-roll distance, not both.
☐ Keyway(s) Required ☐ Single ☐ Double	Keyway Width Keyway Depth
Intended Brush Use:	
Name:	End-User Name:
Company Name:	
Address:	
Phone: ()	
Fax: ()	

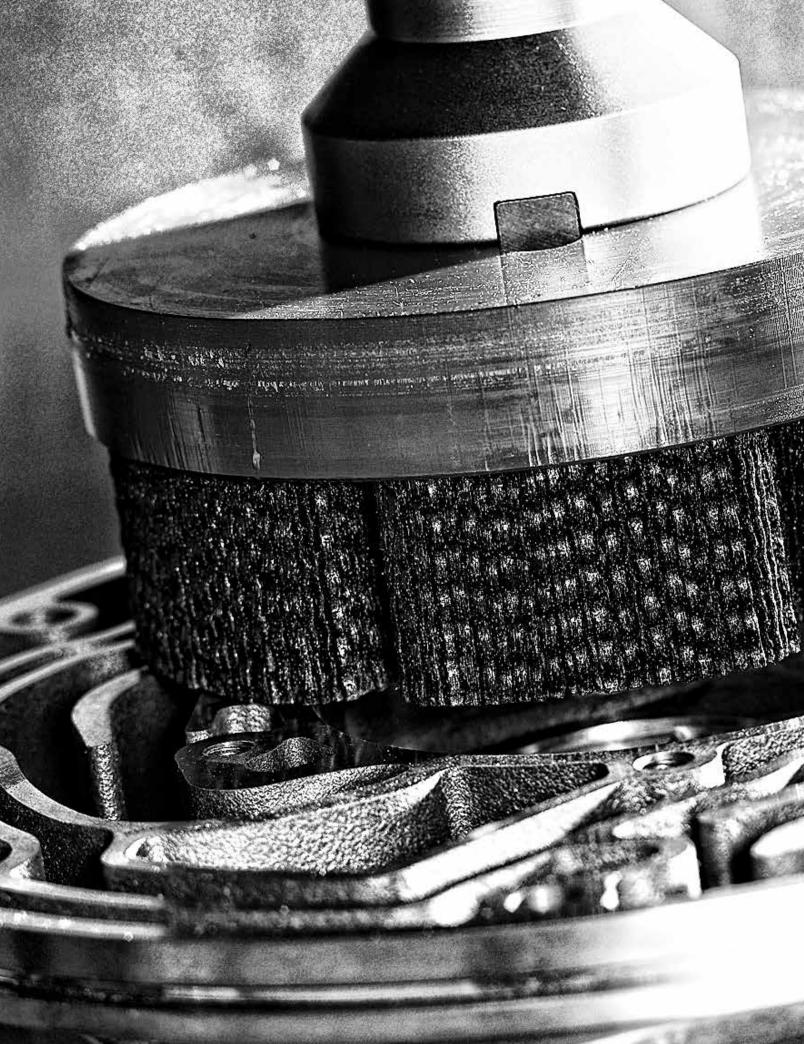
FOR ADDITIONAL INFORMATION CALL:

E-mail:

Weiler's Application Engineering Hotline toll free at: 888-299-APPS (2777)

FAX SPECIFICATION SHEET TO:

Application Engineering Fax: 800-635-3615



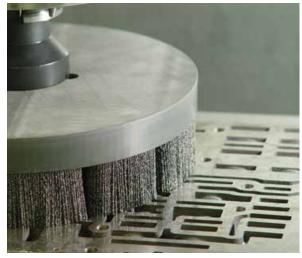


SOLUTIONS SHOWCASE

TRANSMISSION VALVE BODY

Problem: Burrs on transmission components can break away from parent components during use and cause transmission wear and eventual failure. Therefore, fluid passages must be completely burr-free.

Solution: A 10" Nylox® disc brush operating at 825 RPM in a vertical CNC machining center is an ideal solution for deburring this component. Since all of the burrs are on a single plane, the non-directional nature of a Nylox disc brush produces a part on which all edges have been uniformly deburred.



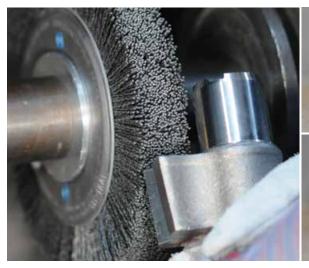




STEERING COMPONENT

Problem: Manual deburring can be costly in many respects. Hard deburring tools and aggressive abrasive wheels do not allow much margin for operator error and the result is often high scrap rates.

Solution: Nylox brushes produce a flexible filing action that concentrates all of the abrasive cutting action on sharp edges, giving them the ability to remove burrs without altering overall part dimensions. For example, a 6" Burr-Rx® wheel mounted onto a 1,725 RPM pedestal buffer is capable of deburring this steering component just as quickly as a convolute wheel but without the fear of over-radiusing the edges of the teeth or producing flat spots.



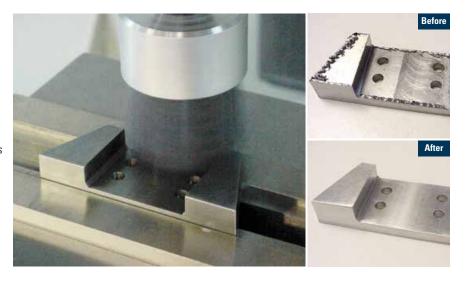




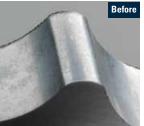
TOOL STEEL DEBURRING

Problem: Traditional nylon abrasive brushes were not sufficiently aggressive to remove large burrs from materials like tool steels and stainless steels.

Solution: Weiler's next generation filament technology, embodied in the company's line of Burr-Rx brushes, creates sufficient aggression to handle the toughest deburring jobs. This enables more users to capture the benefits offered by in-machine deburring.









PUMP GEAR

Problem: Pumps are extremely susceptible to failure due to burrs. Due to the tight fit between components, all edges must be deburred and radiused to ensure proper function. Proper deburring of rotating pump gears is especially important.

Solution: A dedicated machine running 14" Nylox® wheel brushes at 900 RPM was a low-cost solution for deburring these gears. By using dedicated equipment, cycle time was minimized and an acceptable edge condition was achieved.

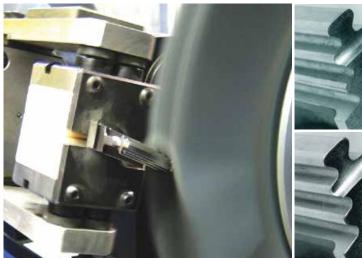




CAST ALUMINUM HOUSING

Problem: Although deburring the facemilled surfaces of castings is a very straight forward application for Nylox disc brushes, the limited availability of valuable machine time can be a perceived obstacle that prevents users from reaping the many benefits of implementing in-machine deburring operations.

Solution: The advanced ceramic grain technology of Weiler's Burr-Rx® tools offer a deburring action that is up to 400% greater than traditional abrasive nylon brushes that contain silicon carbide or aluminum oxide filaments. This allows Burr-Rx deburring tools to be used at feed rates that dramatically reduce the amount of additional machine time required to perform a brushing operation.



TURBINE BLADE

Before

After

Problem: Protecting turbine engine components against high-temperature fatigue is critical to ensure safe, reliable engine operation. Component edges must be burr-free and generally require an edge radius in the range of 0.005" to 0.060".

Solution: Robots are extremely wellsuited for this application because they can manipulate the component in many orientations in relation to the brush. Weiler works closely with users and robot integrators to develop products and process programs that maximize brush life while generating exceptional part quality and consistency.

SELECTING THE RIGHT BRUSH

WHERE TO START?

Sometimes it's necessary to design and manufacture a unique, custom-tailored product to meet your application requirements. Although Weiler offers such engineered solutions in all of our product lines, the innovative construction and value-added nature of the Nylox® line of nylon abrasive filament brushes showcases the creativity and expertise of our Application Engineering Team in designing products that have been tailored to the needs of the customer.



- Custom-engineered Nylox brushes can be designed and manufactured as variations on our standard products.
- Wide face brush assemblies for finishing flat surfaces or deburring cylindrical parts can also be designed and manufactured using Nylox nylon abrasive filaments. (See pages 100-101 for more information)

FOR SOLUTIONS TO DIFFICULT APPLICATIONS

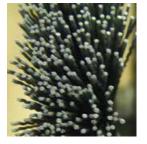
Call our Application Engineering Hotline at 888-299-APPS (2777).

If the problem is too complex to be solved over the phone, we will determine if an evaluation should be conducted at our in-house lab or the user's facility.

TRIM LENGTH AND FILL DENSITY

To maximize brush life and reduce costs, always use the shortest trim, highest density brush that will adequately conform to the surface or part edges.

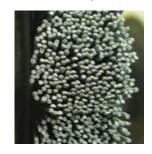
LONG TRIM, LOW DENSITY





These brushes offer a greater degree of flexibility that is ideal for applications requiring a high degree of brush conformability. However, the lower fill density can result in shorter brush life and less consistent performance.

SHORT TRIM, HIGH DENSITY





These brushes work with a faster action and less engagement with the brush face. This produces shorter cycle times, more consistent performance and longer life in applications that do not require a high degree of brush conformability.

GRIT SIZE COLORS

Grit size is indicated by a dot on the product with the following colors:

Black 46 Grit

Green 120 Grit
Grey 180 Grit

Gold 200 Grit
White 320 Grit

Purple 600 Grit

Blue 1000 Grit

Red 60 Grit
Yellow 80 Grit

Orange 240 Grit

Brown 500 Grit

Lt. Blue 800 Grit

Pink 1200 Grit

PRODUCT ADVANTAGES

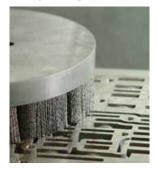
PRODUCT ADVANTAGES

AGGRESSIVE YET COMPLIANT



- Nylox® brushes do not alter the overall dimensions or geometry of a part.
- Filament compliance allows these brushes to conform to complex part shapes and reduces the need for ultraprecise programming and fixturing.

IDEAL FOR DEBURRING



- Nylox filaments act like flexible files, deburring and radiusing edges as they wipe across them.
- Their limited aggression and flexible filing action also make them suitable for deburring a wider range of materials in comparison to wire-filled power brushes.

IDEAL FOR AUTOMATION



- Abrasive grain is evenly distributed throughout the nylon filament.
- Extremely consistent performance throughout their product life.
- Ideal media for use in automated deburring and finishing processes.
- Ideal for dedicated production equipment or robotic cells.
- Can be directly integrated into the cycle of CNC machining centers.
- Improve part quality and consistency.
- Reduce direct labor cost.

ENHANCED SURFACE FINISHES



- The compliant cutting action not only limits their ability to alter part dimensions, but it makes them an effective tool for refining surface texture characteristics without removing significant amounts of base material.
- Although they contain the same abrasive grain sizes, Nylox brushes will not generate the same prominent scratch pattern as a comparable coated abrasive product.

CONSTRUCTION ADVANTAGES

COMPETITOR'S METAL HUB

- Metal hub components are assembled under high pressure, potentially damaging the filaments and causing premature breakage.
- Retaining ring displaces filament material, creating a void in the center of the brush face.
- Lower fill density can result in shorter life and less consistent performance.



WEILER'S COMPOSITE HUB

- Molded hub construction eliminates filament breakage.
- Uniform distribution of fill material and superior balance.
- Higher fill density provides more aggressive brushing and longer life.
- Consistent performance as the brush wears.



WEILER'S COMPOSITE METAL HUB

- Filaments retained using the latest polymer technology to prevent filament breakage.
- Metal components add impact resistance and dimensional stability.
- The highest filament density in the market ensures lowest cost-per-part.



WEILER'S PVC SHELL MILL

The PVC construction results in a very consistent, flat brush face. Their high dimensional precision makes them suitable for the most critical applications. They perform more consistently from the first part to the last.



WEILER'S TUFTED FILAMENTS

This construction style offers increased aggression due to added filament density. This enables processing of severe burrs or generating larger edge radii in shorter cycle times. The longer trim length allows for greater conformability and longer life.



WEILER'S MAXIMUM DENSITY

Maximum density brushes are uniquely suited for demanding applications characterized by large burrs and rapid feed rates.



PRODUCT CHARACTERISTICS

WHEEL BRUSHES



- Precision deburring of component parts after machining or grinding.
- Improving surface texture on machined or ground surfaces.
- Honing cutting tools and generating specific edge profiles and radii.
- Light duty cleaning and finishing of metals; light sanding of woods and composites.



DISC BRUSHES



- Deburring flat surfaces on machined components.
- Improving texture on machined or ground surfaces.
- · Deburring face-milled castings or forgings.
- Blending tool marks after machining or grinding.



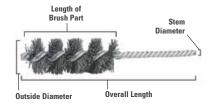
END BRUSHES



- Deburring flat surfaces on machined components.
- Improving texture on machined or ground surfaces.
- Deburring face-milled castings or forgings.
- Blending tool marks after machining or grinding.



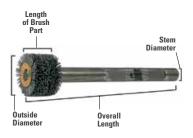
TUBE BRUSHES



 Deburring and finishing applications in tubular component parts, drilled and tapered holes and machined bores and passages.



CROSSHOLE DEBURRING BRUSHES



- Deburring internal edges.
- Improving surface texture on internal bores.

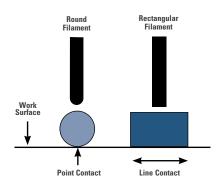


FILAMENT CONFIGURATIONS

ROUND FILAMENTS - Due to their cross-sectional shape and the reduced contact with the work surface or part edges that result, round filaments provide a more compliant brushing action for less aggression and enhanced conformability.

RECTANGULAR FILAMENTS - Due to their shape, larger cross-sectional area and increased contact with the work, rectangular filaments provide a less compliant brushing action for much greater aggression and reduced conformability.

Crimping either type of filament along its length enhances conformability, allowing greater penetration of part edges into the brush face, often increases aggression. Crimped filaments are especially beneficial in maximum density disc brush designs.



ABRASIVE FILAMENTS

Abrasive brush filaments are manufactured by extruding a mixture of liquefied polymer and abrasive grain. Unlike the filaments used in DIY grade abrasive brushes, industrial grade products like Weiler's Nylox® and Burr-Rx® brushes feature the highest grade of abrasive filament manufactured using a Type 6.12 nylon polymer. Industrial grade filaments also feature the highest quality abrasive materials that have been sifted and sorted to ensure that the grains are consistent in size. These grains may be one of four different types of abrasive:

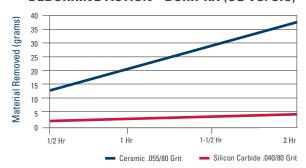
- ALUMINUM OXIDE (AO) is a duller, less aggressive grain typically used in finishing applications requiring a less pronounced scratch line pattern or deburring applications on materials where the use of SiC may be prohibited
- SILICON CARBIDE (SIC) is a sharp-edged grain that produces an effective cutting action. It is the most common grain used in industrial grade brushes.
- BURR-RX CERAMIC (CG) is an engineered abrasive grain that produces a superior cutting action and is compatible with the widest range of materials. It is the most effective grain available today!
- DIAMOND FILAMENT is a sharp-edged grain typically used for producing edge radii on hard materials like diamond, ceramic, CBN and glass.

ADVANTAGES OF BURR®-RX CERAMIC

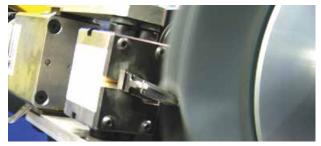
Nylox brushes containing the Burr-Rx black ceramic filament provide the following advantages over SiC and AO filaments.

- 400% greater cutting action
- Most cost-effective deburring brush
- Deburr tougher materials
- Minimize cycle time
- Maximize tool life
- Reduce finishing costs
- Eliminate hand deburring

DEBURRING ACTION - BURR-RX (CG VS. SIC)



WHEEL VS. DISC BRUSH



Nylox wheel brushes are for applications where a targeted brushing action is required.



Disc brushes are for applications where the burrs lie along a single plane.

OPERATING INFORMATION

OPERATING PARAMETERS

Nylox® abrasive brushes work with a wiping and filing action. Think of them as flexible files. The sides of the Nylox filament actually do the work. To achieve a maximum edge radius and complete burr removal, parts should be buried into a slow running brush face. They work best when operated at speeds that allow

WHEEL BRUSHES
PENETRATE 10% OF TRIM LENGTH



OPERATING SPEEDS - WHEEL BRUSHES

Diameter	RPM
2"	3,450 - 5,000
3"	2,500 - 3,450
4"	1,750 - 2,500
6"	1,350 - 1,750
8"	1,150 - 1,350
10"	950 - 1,150
12"	750 - 950
14"	650 - 850

fairly deep penetration of the work-piece into the brush filaments. Usually, faster speeds do not work as well as slower speeds. The maximum RPM marked on the brush is not the optimum working speed. A good rule of thumb is to stay under 2,500 SFPM in dry applications and 3,500 SFPM in wet applications.

DISC BRUSHES 0.075" - 0.100" DEPTH OF INTERFERENCE



OPERATING SPEEDS - DISC BRUSHES

RPM
1,750 - 2,000
1,500 - 1,750
1,250 - 1,500
800 - 1,000
700 - 800
600 - 700
500 - 600

FEED RATE is determined by the amount of deburring, edge radiusing or surface finishing required and the type of material that is being processed. It is generally application specific. Slower feeds result in a more aggressive brushing action. Based on the brushing action desired for a specific application, the feed rate can be increased or decreased.

Material	SiC and AO Grain Feed Rate	Burr-Rx Grain Feed Rate
Non-Ferrous	50 in./min.	80 in./min.
Cast Iron	30 in./min.	60 in./min.
Mild Steel and Ductile Iron	25 in./min.	50 in./min.
Stainless and Alloy Steels	15 in./min.	30 in./min.
Titanium and High Nickel Alloys	10 in./min.	30 in./min.

RECOMMENDED MOTOR SIZES

Brush Diameter	Motor Size	RPM*
3"-4"	1/4 HP	3,450
6"	1/2 HP	1,725
8"	3/4 HP	1,725
10"	1 HP	1,140
12"	1 HP	1,140
14"	1-1/2 HP	900

Note: This chart is based on 1" brush face.

MINIMUM RECOMMENDED SPINDLE DIAMETER (from ANSI Standard B165.1)

Outside Dia. of Wheel Brush	Maximum Face Width of Wheel Brush	Minimum Outside Dia. of Spindle (Shaft)
2"	1/4"	1/4"
3"	3/4"	1/4"
3" (heavy-duty)	1"	3/8"
4"	1"	3/8"
6"	1-1/4"	1/2"
8"	1-1/4"	5/8"
10"	2"	3/4"
12"	3"	1"
14"	3"	1-1/4"
15"	3"	2"
16"	3"	2"

Note: These diameters are based on the wheel brush being mounted next to the supported end of the shaft rather than the unsupported end in order to minimize overhang.

^{*} A variable-speed motor control may be required to achieve optimum operating RPM; see operating speed charts above.

COOLANT & WEAR COMPENSATION

COOLANTS

Nylox® brushes can be run dry, without coolants. However, certain deburring conditions such as higher speeds, material properties and greater depth of penetration can create excessive heat buildup, causing the nylon filaments to melt and smear on the work surface. If the speed or depth of penetration cannot be changed, coolants are recommended to overcome heat smear. Coolants will also help produce finer finishes.

WEAR COMPENSATION

On dedicated equipment, it is possible to automate wear compensation by using electronic controls to monitor the load on drive motors and adjust the position of the brushing tool to maintain a relatively consistent amount of interference or pressure. Since this is typically not possible with standard CNC machine tools, there are three other possible methods of compensating for tool wear for "in-machine" implementations of Nylox brushes.

AUTOMATIC INDEXING

Most CNC controllers allow tool wear compensation to be accomplished by programming a "macro" - routine to periodically adjust the position of the tool based upon the number of parts produced. Some experimentation may be required to determine the frequency and amount of adjustment that will result for most consistent performance and maximum brush life.

PROBING

If the machining center has the capability to probe the face of the brush, this feature can be used to gauge the true position of the filament tips. Adjustments to the brush position can then be made to maintain a consistent amount of interference between the tool and the part.

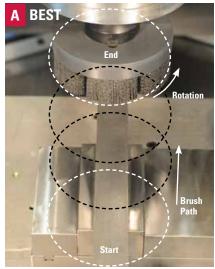
MANUAL

If the other methods cannot possibly be used, machine operators can adjust the brush position based on either statistical process control data or visual inspection of completed parts.

THE IDEAL TOOL PATH for a Nylox Disc brush is very similar to the path of the face mill that produced the burr. However, three differences exist:

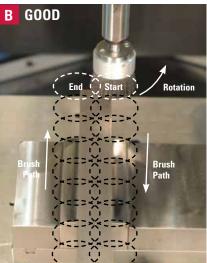
- The rotation direction of the brush should be opposite of the cutting tool that created the burr.
- The length of the path must be longer than the part. Unlike a cutter path that can stop when the leading edge of the cutter reaches the end of the part, the tool path of a brush should continue until the trailing edge of the brush reaches the end of the part.
- The centerline of the brush may need to be off-set from the center of the part in order to maximize the number of filaments
 that strike the part at a perpendicular angle. This is especially important when the diameter of the brush is similar to the
 width of the part.

The part is deburred in the shortest cycle time with the lowest consumable cost-per-part.



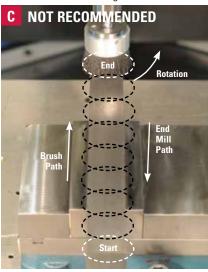
If a large diameter brush can be used, the centerline of the brush should be positioned on the center of the part. Ideally, the brush should be 3-4" wider than the part.

The part is deburred, but requires a longer cycle time. When a large brush will not fit in the tool changer, this method is recommended.



If a small diameter brush must be used, the centerline of the brush should be positioned on the edge of the part. This maximizes aggression by increasing the amount of perpendicular contact between the brush filaments and the burred edge.

Produces less deburring than A & B.



Positioning a small diameter brush with its centerline on the center of the part is not recommended. This configuration will not allow perpendicular contact of the filaments against the burred edge.



NYLOX® BRUSHES IN AUTOMATED ENVIRONMENTS

MYTH: The abrasive grain in the Nylox brush will affect the accuracy of the equipment over time.

FACT: The abrasive grain in the Nylox brushes will not result in accelerated machine wear over time when used with proper filtration (50-micron or finer).

Automotive Case Study

In the auto industry a five year study was conducted on the use of Weiler Nylox brushes with silicon carbide (SiC) grain in the manufacturing of aluminum intake and exhaust manifolds. Over the period of the study, there was no noticeable difference in way wear between machines that ran brushes and those that did not. A 50-micron coolant filter worked as specified to remove the residuals from the brushing process.

Aerospace Case Study

A three year study was conducted on the use of Weiler Nylox brushes with ceramic grain (CG) in the manufacture of jet engine components. Over the period of the study, there was no loss in accuracy in the aerospace manufacturer's machines. A 50-micron coolant filter worked as specified to remove the residuals from the brushing process.



ENGINEERED PRODUCTS AND CUSTOMIZED SOLUTIONS



Two members of our Application Engineering Team discuss the results after testing an engineered product.

WE PROVIDE YOU WITH THE MOST COST-EFFECTIVE APPLICATION SOLUTIONS

Sometimes it is necessary to design and manufacture a unique, custom tailored product to meet your application requirements. Although Weiler offers such engineered solutions in all of our product lines, the innovative construction and value-added nature of the Nylox® line of nylon abrasive filament brushes showcases the creativity and expertise of our Application Engineering Team in designing products that have been tailored to the needs of the customer.

- Custom-engineered Nylox brushes can be designed and manufactured as variations on standard product configurations such as wheel, disc, cup, end, or tube brushes.
- Weiler's exclusive Burr-Rx® and Bore-Rx™ brushing tools can be engineered to meet the demands of a specific application.
- Wide face brush assemblies for applications such as finishing flat surfaces or deburring cylindrical parts can also be designed and manufactured using Nylox nylon abrasive filaments. (See pages 94-95 for more information)

FOR SOLUTIONS TO DIFFICULT APPLICATIONS

Call our Application Engineering Hotline at 888-299-APPS (2777).

If the problem is too complex to be solved over the phone, we will determine if an evaluation should be conducted at our in-house lab or the user's facility.



TROUBLESHOOTING GUIDE

There are many variables in Nylox® applications. If the Nylox brush you are using does not accomplish the desired results, select a solution from the suggestions below for your specific application or call Weiler's Application Engineering Hotline at 888-299-APPS (2777).

Problem	Recommended Solutions
Brush not aggressive enough	Increase filament diameter and/or grit size
	• Increase filament density by using round straight rather than round crimped
	Increase surface contact by using rectangular rather than round
	Increase pressure/depth of interference
	• Increase surface speed by increasing spindle RPM
	Use a larger diameter brush
	Reduce trim length or feed rate
Brush too aggressive	Reduce filament diameter and/or grit size
	Reduce filament density by using round crimped rather than round straight
	Reduce surface contact by using round rather than rectangular
	Reduce pressure/depth of interference
	Reduce surface speed by reducing spindle RPM
	Use a smaller diameter brush
	Increase trim length or feed rate
Brush not conformable enough	Increase trim length
	Reduce filament diameter
	• Reduce filament density by using round crimped rather than round straight or rectangular
	Reduce surface speed by reducing spindle RPM
	Reduce feed rate
Finer final finish required	• Increase surface speed by increasing spindle RPM
	Decrease grit size
	Use brush with a coolant
Coarser final finish required	Reduce surface speed by reducing spindle RPM
	• Increase grit size
	Use brush without a coolant
Filaments melt/smear on workpiece	Reduce surface speed by reducing spindle RPM
	Use a smaller diameter brush
	Use brush with a coolant
Short brush life	Increase filament density
	Reduce pressure/depth of interference

NEED HELP?

Call our Application Engineering Hotline at 888-299-APPS (2777). If the problem is too complex to be solved over the phone, we will determine if an evaluation should be conducted at our in-house lab or your facility. Either way, Weiler will provide the most cost-effective solution for your specific application.

SMALL DIAMETER WHEELS

MADE IN USA

Ideal for recesses and internal features or delivering targeted brushing action to a specific area. Our Burr-Rx $^{\circledR}$ black ceramic grain filament wheels deliver up to a 400% greater edge-cutting action compared to traditional silicon carbide and aluminum oxide filaments for the fastest, most aggressive action for minimum cycle times and maximum life.

APPLICATIONS

- Deburring keyways, slots and crosshole intersections
- Honing and finishing of cylindrical bores

BURR-RX® SMALL DIAMETER WHEELS - Metal Hub - Crimped Round Black Ceramic Filament

Diameter	Filament Dia./Grit	Arbor Hole	Face Width	Trim Length	Max. RPM	Standard Pack	ltem Number
1-1/4"	.026/120	1/4"	5/16"	5/16"	10,000	10	17551
1-1/2"	.026/120	1/2"	3/8"	1/4"	10,000	10	17541
2"	.026/120	1/2"	3/8"	1/2"	10,000	10	17548
	.035/80						17555
	.055/80						17542
2-1/2"	.026/120	5/8"	1/2"	11/16"	10,000	10	17556
	.035/80						17557
3"	.026/120	1/2"	1/2"	1"	10,000	10	17565
	.035/80						17567
	.043/120						17568

Other diameters and grit sizes available upon request.

SMALL DIAMETER WHEELS - Metal Hub - Crimped Round Silicon Carbide Filament

Diameter	Filament Dia./Grit	Arbor Hole	Face Width	Trim Length	Max. RPM	Standard Pack	Item Number
1-1/8"	.022/120	1/4"	5/16"	1/4"	10,000	10	17532 •
1-1/4"	.022/120	1/4"	5/16"	5/16"	10,000	10	17535
1-3/8"	.018/500	1/4"	5/16"	3/8"	10,000	10	16310*
1-1/2"	.022/120	1/2"	3/8"	1/4"	10,000	10	17628
	.035/180						29353
2"	.018/500	1/2"	3/8"	1/2"	10,000	10	17533
	.022/320						17543
	.040/120						17633
2"	.022/120	5/8"	7/16"	7/16"	10,000	10	17629
2-1/2"	.022/320	5/8"	1/2"	11/16"	10,000	10	29356
	.022/120						29123
	.035/180						29280 •
3"	.035/180	1/2"	1/2"	1"	10,000	10	29088
	.022/320						17563
	.022/120						16315
	.040/120						16263

Other diameters and grit sizes available upon request.

Aluminum oxide*

Non-stock product, contact Customer Service for lead times

DRIVE ARBORS - For mounting small diameter wheels into a collet or chuck.

							-	_ , _,
Arbor Diameter	Stem Diameter	Stem Length	Length of Shaft	For Brushes with Max. Dia. of	Overall Length	Max. RPM	Standard Pack	Item Number
			ι	Inthreaded Sha	ıft			
1/4"	1/4"	1-1/8"	3/16"	2"	2-1/16"	20,000	5	07723
				Threaded Shaf	t			
1/2"	1/4"	3/4"	3/4"	3"	1-3/4"	25,000	5	07724
5/8"	1/4"	3/4"	3/4"	3"	1-13/16"	25,000	5	07729
1/2"	1/4"	7/8"	3/4"	3"	1-11/16"	20,000	5	07721
1/4"	1/4"	1-1/16"	1-1/8"	2"	2-9/16"	20.000	5	07725

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

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



Deburring the edges of a machined aluminum component.



















NOTE See adapters on pages 126-127



Deburring small features on a powdered metal part.

END BRUSHES



Featuring an integral stem for convenient mounting into a tool holder or collet, Nylox® end brushes and miniature end brushes are suitable for addressing recesses and internal features, or delivering a targeted brushing action to a specific area on a part.

APPLICATIONS

- Deburring small recessed areas and internal part features
- Finishing slots and recessed surfaces on machined parts





^{*} Trim length from bands

END BRUSHES - Banded - Crimped Round Silicon Carbide Filament - Mounted on 1/4" Stems



^{*} Trim length from bands

END BRUSHES - Crimped Round Silicon Carbide Filament - Mounted on 1/4" Stems

Diameter	Filament Dia./Grit	Trim Length	Overall Length	Max. RPM	Standard Pack	ltem Number
1/2"	.022/320	7/8"	2-9/16"	10,000	10	10172
	.035/180					10173
	.040/120					10174
3/4"	.022/320	7/8"	1-1/2"	10,000	10	10152
	.035/180					10153
	.040/120					10154
1"	.022/320	7/8"	2-3/4"	10,000	10	10155
	.035/180					10156
	.040/120					10157



86104



MINIATURE END BRUSHES - Plastic Ferrule - Crimped Round Silicon Carbide Filament Mounted on 1/8" stems

Diameter	Filament Dia./Grit	Trim Length	Overall Length	Max. RPM	Standard Pack	ltem Number
3/16"	.018/500	1/4"	1-7/8"	37,000	144	26136
1/4"	.018/500	3/8"	2-1/8"	37,000	144	26138
5/16"	.018/500	9/16"	2-11/32"	25,000	144	26146

MINI DISC BRUSHES



Featuring a precision machined aluminum cup, Weiler's mini-disc brushes are designed to be the most cost-effective media for applications requiring a smaller brushing tool.

APPLICATIONS

- Deburring flat surfaces on machined components
- Improving texture characteristics on machined or ground surfaces
- Deburring face-milled castings or forgings
- · Blending tool marks after machining or grinding

BURR-RX® MINI DISC BRUSHES - Maximum Density - Crimped Black Ceramic Filament

Diameter	Filament Dia./Grit	Arbor Hole	Drive Arbor + Recommendation	Trim Length	Max. RPM	Standard Pack	Item Number
			Round Fil	lament			
2"	.026/120	3/8"	89029 or 89033	1-1/4"	4,500	2	86106
	.035/80					1	85738
	.043/120					2	86107
	.055/80					2	85733
3"	.026/120	3/8"	89029 or 89033	1-1/4"	4,500	1	86109
	.035/80						86013
	.043/120						86110
	.055/80						86111
			Rectangular	Filament			
2"	80	3/8"	89029 or 89033	1-1/4"	4,500	1	85736
3"	80	3/8"	89029 or 89033	1-1/4"	4,500	1	86014

⁺ See page 127 for drive arbor specifications.

MINI DISC BRUSHES - Silicon Carbide Filament

Diameter	Filament Dia./Grit	Arbor Hole	Drive Arbor + Recommendation	Trim Lenath	Max. RPM	Standard Pack	Item Number
Diameter	Dia./Giit	поте	Round Fi		NEW	Fack	Nullibel
			NOUIIU FI	iament			
1-3/4"	.035/180	5/8"	89023 or 89024	1-1/4"	6,000	2	85753
	.022/120						85751 •
	.040/80						85750
			Rectangular	r Filament			
1-3/4"	80	5/8"	89023 or 89024	1-1/4"	6,000	2	85752
2"	80	3/8"	89023 or 89024	1-1/4"	4,500	2	85773*
3"	80	3/8"	89023 or 89024	1-1/4"	4,500	1	85981*

⁺ See page 127 for drive arbor specifications. * Maximum density

Non-stock product, contact Customer Service for lead times



Weiler also offers an assortment of Nylox® tools featuring traditional cup brush construction for deburring and finishing use in lighter duty applications. These brushing tools can be used on dedicated machines in automated processes or on low speed/high torque hand-held tools for manual applications.

APPLICATIONS

CUP BRUSHES

• Deburring and finishing complex or contoured parts

CUP BRUSHES - Crimped Round Silicon Carbide Filament

Diameter	Filament Dia./Grit	Arbor Hole	Trim Length	Max. RPM	Standard Pack	Item Number
2-3/4"	.022/320	1/4" Stem	1-1/4"	6,000	1	14401 •
	.035/180					14403 •
	.040/120					14404
3-1/2"	.035/180	5/8"-11	1-1/2"	12,000	1	14413
	.040/120					14414
5"	.040/120	5/8"-11	1-1/4"	9,000	1	14576
6"	.040/120	5/8"-11	1-1/4"	6,600	1	14516*
	.040/80					14506*

^{*} With internal nut



Deburring the machined face of an aluminum component.





85752



85981



NOTE See adapters on pages 126-127

Non-stock product, contact Customer Service for lead times



Deburring internal bores of a cylinder head.

CUSTOMIZABLE CROSSHOLE DEBURRING SOLUTIONS

Replacement Bore-Rx Brush Heads and Reusable Bore-Rx Arbors

In high production applications, reusable arbors reduce manufacturing costs by allowing the use of inexpensive brush head replacements. Brush heads are made-to-order in diameters ranging from 7/8" to 1-1/2" with face widths of 1/4" to 1". They are available on 3/16" and 1/4" pins. The pin diameter is based on the application and determines brush density. Contact Application Engineering at 888-299-APPS (2777) for more information.



BORE-RX™ CROSSHOLE DEBURRING BRUSHES



These brushes are designed for automated applications in CNC machining centers and dedicated machines. They are ideal for removing burrs from internal edges and finishing bores. Since they eliminate off-hand deburring, they improve part-to-part consistency and reduce direct labor content. Bore-Rx brushes are available in sizes ranging from 7/8" to 4" and can be readily adapted into a machining center's tool changer using an end-mill holder or 3/8" collet.

Operating Parameters For Bore-Rx Brushes

Brush Diameter	Recommended RPM	Recommended Feed Rate
5/8" - 7/8"	3000	20"/min
1" - 1-1/2"	3000	20"/min
2" - 2-1/2"	2000	20"/min
3" - 4"	1500	20"/min

Tool Paths for Crosshole Deburring

An effective tool path for most crosshole deburring jobs is circular interpolation using the following guidelines to determine diameter of interpolation. The interpolation should be performed at a depth where the center of the brush face is at the center of the intersecting hole.

Diameter of Interpolation = Hole Dia. - 0.975 x Brush Dia.

Tool Paths for Bore Finishing

Nylox® brushes can be used to improve the surface finish of bores. The best tool path normally involves helically interpolating the bore. The above recommendations for speed, feed and diameter of interpolation are also valid for bore finishing. The use of coolant is highly recommended in order to achieve maximum surface finish improvement.



00133

BORE-RX® BRUSHES - 3/8" Stem - Crimped Round Black Ceramic Filament

Diameter	Filament Dia./Grit	Face Width	Trim Length	Overall Length	Max. RPM	Standard Pack	Item Number
7/8"	.026"/120	3/4"	.160"	4-3/4"	8,000	1	17206
1"	.026"/120	3/4"	.215"	4-3/4"	8,000	1	17208
1-1/4"	.026"/120	3/4"	.345"	4-3/4"	8,000	1	17210
1-1/2"	.026"/120	1"	.475"	5"	8,000	1	17212
2"	.026"/120	1"	.535"	3-1/4"	6,000	1	17215
2-1/2"	.055"/80	1"	.765"	3-1/4"	6,000	1	17217
3"	.026/120	1"	.560"	3-1/4"	6,000	1	86150
	.043/120						86151
	.055/80						86152
4"	.026/120	1"	1.040"	3-1/4"	6,000	1	86154
	.043/120						86155
	.055/80						86156

Note: All Bore-Rx brush stems have a 2" long flat for use in end mill holders. Alternatively, they can be mounted in 3/8" collets.

TUBE BRUSHES



Nylox® power tube brushes are ideal for internal deburring and finishing applications in tubular component parts, drilled and tapered holes, and machined bores and passages. These brushes are suitable for use in drill presses and manual and CNC machine tools. See page 108 for operating guidelines.

TUBE BRUSHES - Micro Abrasive - For ultra-fine deburring and finishing of small internal holes.

				U	O		
	Length of	Stem	For Hole I	Diameters	Overall	Standard	Item
Diameter	Brush Part	Diameter	Decimal	Fraction	Length	Pack	Number
		2000	Grit Alumini	ım Oxide Fil	ament		
.030"	1/2"	.015	.031"	1/32"	4"	10	26900
.050"	1/2"	.022	.047"	3/64"	4"		26901
.075"	3/4"	.033	.063"	1/16"	4"		26902
.090"	3/4"	.041	.078"	5/64"	4"		26903
.105"	1"	.041	.094"	3/32"	4"		26904
.125"	1"	.064	.109"	7/64"	4"		26905
.135"	1"	.075	.125"	1/8"	4"		26906
		600 (Grit Aluminu	m Oxide Fil	ament		
.165"	1"	.087	.156"	5/32"	5"	10	26907
.190"	1"	.087	.188"	3/16"	5"		26908
.260"	1"	.115	.250"	1/4"	5"		26909
.325"	1"	.115	.313"	5/16"	5"		26910
.385"	1"	.147	.375"	3/8"	5"		26911
.515"	1"	.194	.500"	1/2"	5"		26912
.640"	1"	.194	.625"	5/8"	5"		26913 •
.765"	1"	.212	.750"	3/4"	5"		26914 •
.890"	1"	.212	.875"	7/8"	5"		26915 •



26904

26908

wwwwwww.

NEW NOW OFFERING MORE SIZE OPTIONS

BURR-RX® TUBE BRUSHES - Crimped Black Ceramic Filament - 1/4" Cadmium Plated Stems

Nominal Diameter	Traditional Diameter	Metric Diameter	Filament Dia./Grit	Length of Brush Part	Stem Diameter	Overall Length	Standard Pack	ltem Number
6mm	0.236"	6.00 mm	.026/120	1"	1/4"	3-1/2"	10	22602
1/4"	0.250"	6.35 mm	.026/120	1"	1/4"	3-1/2"	10	21757 •
7mm	0.276"	7.00 mm	.026/120	1"	1/4"	3-1/2"	10	22603
8mm	0.315"	8.00 mm	.026/120	1"	1/4"	3-1/2"	10	22604
9mm	0.354"	9.00 mm	.026/120	1"	1/4"	3-1/2"	10	22605
3/8"	0.375"	9.53 mm	.026/120	1"	1/4"	3-1/2"	10	21758
10mm	0.394"	10.00 mm	.026/120	1"	1/4"	3-1/2"	10	22606
11mm	0.433"	11.00 mm	.026/120	1"	1/4"	3-1/2"	10	22607
12mm	0.472"	12.00 mm	.026/120	1"	1/4"	3-1/2"	10	22608
1/2"	0.500"	12.70 mm	.026/120	1"	1/4"	3-1/2"	10	21759
14mm	0.551"	14.00 mm	.026/120	1"	1/4"	3-1/2"	10	22610
9/16"	0.563"	14.29 mm	.026/120	1"	1/4"	3-1/2"	10	21760 •
5/8"	0.625"	15.88 mm	.026/120	1"	1/4"	3-1/2"	10	21761
18mm	0.709"	18.00 mm	.026/120	1"	1/4"	3-1/2"	10	22614
3/4"	0.750"	19.05 mm	.026/120	1"	1/4"	3-1/2"	10	21762
20mm	0.787"	20.00 mm	.026/120	1"	1/4"	3-1/2"	10	22616
7/8"	0.875"	22.23 mm	.026/120	1"	1/4"	3-1/2"	10	21763
1"	1.000"	25.40 mm	.026/120	1"	1/4"	3-1/2"	10	21764
1-1/4"	1.250"	31.75 mm	.026/120	1"	1/4"	3-1/2"	10	21765 •





Crosshole deburring an aluminum manifold.



TUBE BRUSHES - Crimped Round Silicon Carbide Filament - Double Stem, Single Spiral

Diameter	Filament	Length of Brush Part	Stem Diameter	Overall	Standard Pack	ltem Number
	Dia./Grit			Length	+	
1/4"	.022/320	2"	5/32"	5"	10	21126
3/8"	.022/320	2"	5/32"	5"	10	21128
1/2"	.022/320	2"	3/16"	5"	10	21130
	.040/80					21325
5/8"	.022/320	2"	7/32"	5"	10	21132
	.040/80					21326
11/16"	.022/320	2"	7/32"	5"	10	21133
3/4"	.022/320	2-1/2"	1/4"	5-1/2"	10	21134
	.040/80					21327
7/8"	.022/320	2-1/2"	1/4"	5-1/2"	10	21136
	.040/80					21976
1"	.022/320	2-1/2"	1/4"	5-1/2"	10	21138
	.040/80					21328
1-1/4"	.022/320	2-1/2"	1/4"	5-1/2"	10	21306
	.022/120					21304
	.035/180					21305
	.040/80					21329
1-1/2"	.022/320	2-1/2"	1/4"	5-1/2"	10	21309
	.035/180					21308
	.040/80					21330
1-3/4"	.040/80	2-1/2"	1/4"	5-1/2"	10	21311
	.035/180					21312
2"	.022/320	2-1/2"	1/4"	5-1/2"	10	21473
	.040/80					21345







21473

Deburring a bearing cage in a CNC machining

Disc brush shown with shell mill holder





FLAT SURFACE DEBURRING PRODUCTS

DISC BRUSHES



Manufactured using a tufted filament configuration and longer trim length for increased aggression, greater conformability and longer product life in comparison to monofilament disc brushes, which feature a distribution of short individual bristles.

Burr-Rx® disc brushes feature Weiler's advanced black ceramic grain filament, which delivers up to a 400% greater edge cutting action in comparison to traditional silicon carbide and aluminum oxide filaments for the fastest, most aggressive deburring action for minimum cycle times and maximum life.

All Burr-Rx disc brushes are manufactured using a new process that results in a very consistent. flat brush face in comparison to traditional construction, which utilizes a molded backing. The high dimensional precision of these tools means that the brushes are suitable for the most critical applications and perform more consistently from first part to last. In addition, the machined polymer backings are designed to mount directly onto a standard shell mill holder for convenient use in CNC machining centers.

APPLICATIONS

- Deburring flat surfaces on machined components
- Improving texture characteristics on machined or ground surfaces
 Blending tool marks after machining or grinding
- · Deburring face-milled castings or forgings

DISC BRUSHES

0.075" - 0.100" DEPTH OF INTERFERENCE



OPERATING SPEEDS - DISC BRUSHES

Diameter	RPM
1-3/4" & 2"	1,750 - 2,000
3"-4"	1,500 - 1,750
5" - 6"	1,250 - 1,500
8"	800 - 1,000
10"	700 - 800
12"	600 - 700
14"	500 - 600

FEED RATE RECOMMENDATIONS

Feed rate is determined by the amount of deburring, edge radiusing or surface finishing required, and the type of material that is being processed. It is generally application specific. Slower feeds result in a more aggressive brushing action. Based on the brushing action desired for a specific application, the feed rate can be increased or decreased.

Material	SiC and AO Grain Feed Rate	Burr-Rx Grain Feed Rate		
Non-Ferrous	50 in./min.	80 in./min.		
Cast Iron	30 in./min.	60 in./min.		
Mild Steel and Ductile Iron	25 in./min.	50 in./min.		
Stainless and Alloy Steels	15 in./min.	30 in./min.		
Titanium and High Nickel Alloys	10 in./min.	30 in./min.		

BURR-RX® SHELL MILL HOLDER DISC BRUSHES - Crimped Black Ceramic Filament Compatible with 3" shell mill holders.

Diameter	Filament Dia./Grit	Arbor Hole	Trim Length	Max. RPM	Standard Pack	ltem Number
			Round Filament			
4"	.026/120	1-1/4"	1-1/2"	2,500	1	86112
	.043/120					86113
	.043/120					86204*•
	.055/80					86114*
6"	.026/120	1-1/4"	1-1/2"	2,500	1	86115
	.043/120					86116
	.055/80					86117*
8"	.026/120	1-1/4"	1-1/2"	2,000	1	86141 •
	.043/120					86142
	.055/80					86143*
10"	.026/120	1-1/4"	1-1/2"	2,000	1	86125 •
	.043/120					86121
	.055/80					86122*
		R	ectangular Filame	nt		
4"	80	1-1/4"	1-1/2"	2,500	1	86167*
6"	80	1-1/4"	1-1/2"	2,500	1	86198*
8"	80	1-1/4"	1-1/2"	2,500	1	86199*

Maximum Density

Non-stock product, contact Customer Service for lead times

COMPOSITE HUB DISC BRUSHES - Silicon Carbide Filament

Diameter	Filament Dia./Grit	Arbor Hole	Drive Arbor Recommendation	Trim Length	Max. RPM	Standard Pack	Item Number
Diameter	Dia./Gill	пин	Crimped Rou		NEW	Fack	Mullipel
3"	.035/180	7/8"	07700	1-1/2"	2,500	1 1	85776
J	.040/120	7/0	07700	1-1/2	2,500	'	85778
3-1/2"	.022/320	7/8"	07700	1-1/2"	2,500	1	85792
0 1/2	.035/180	7/0	07700	1 1/2	2,000	'	85794
	.040/80						85798
4"	.022/320	7/8"	07700	1-1/2"	2,500	1	85812
.	.035/180	7/0	07700	1 1/2	2,000		85814
	.040/120						85816
	.040/80						85818
5"	.035/180	7/8"	07700	1-1/2"	2,500	1	85832
	.040/80	,,0	07700	, _	2,000		85836 •
6"	.035/180	7/8"	07701	1-1/2"	2,000	1	85850
-	.040/120	., -		, _	_,		85852
	.040/80						85854
8"	.035/180	7/8"	07702	1-1/2"	2,000	1	85908
	.040/120	, -		,	,,,,,,		85912 •
	.040/80						85914 •
10"	.040/120	7/8"	07703	1-1/2"	1,750	1	85930
	.040/80	,		•			85932 •
12"	.035/180	7/8"	07703	1-1/2"	1,750	1	85946 •
	.040/120	,		•			85948 •
			Rectangula	r Filament			
3"	120	7/8"	07700	1-1/2"	2,500	1	85786
	80						85788
3-1/2"	320	7/8"	07700	1-1/2"	2,500	1	85800 •
	80						85806
4"	180	7/8"	07700	1-1/2"	2,500	1	85822 •
	120						85824
	80						85826
	80						85995●
	80						85900*•
5"	120	7/8"	07700	1-1/2"	2,500	1	85842 •
	80						85844
	80						85978●
6"	120	7/8"	07701	1-1/2"	2,000	1	85860
	80		07701				85862
	80		07715				85996●
	80		07715				85901 * •
8"	120	7/8"	07702	1-1/2"	2,000	1	85920 •
	80						85922
9"	80	7/8"	07702	1-1/2"	1,750	1	85997●
10"	120	7/8"	07703	1-1/2"	1,750	1	85938 •
	80						85940 •

Deburring the edges of an aluminum

engine cover.









85978

Arbor & Drive Hole Specifications for Composite Hub Disc Brushes

Brush Diameter	Arbor Hole Diameter	Drive Holes
3"-5", 6" Max. Density	7/8"	(2) 1/4" dia. on a 1-1/4" dia. bolt circle
6"	7/8"	(3) 1/4" dia. on a 3" dia. bolt circle
8"	7/8"	(4) 1/4" dia. on a 3" dia. bolt circle
10"	7/8"	(4) 1/4" dia. on a 1.625" dia. bolt circle
12"	7/8"	(4) 1/4" dia. on a 1.625" dia. bolt circle





^{*} Banded for extra aggression

Maximum density

Non-stock product, contact Customer Service for lead times



Removing burrs and breaking sharp edges on a transmission component.

MINI DISC BRUSHES

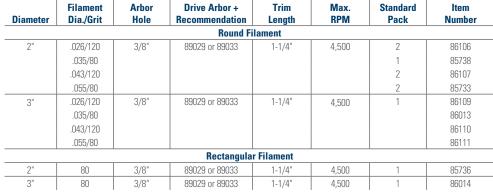


Featuring a precision machined aluminum cup, Weiler's mini-disc brushes are designed to be the most cost-effective media for applications requiring a smaller brushing tool.

APPLICATIONS

- Deburring flat surfaces on machined components
- Improving texture characteristics on machined or ground surfaces
- Deburring face-milled castings or forgings
- Blending tool marks after machining or grinding

BURR-RX® MINI DISC BRUSHES - Maximum Density - Crimped Black Ceramic Filament







85733



85752



MINI DISC BRUSHES - Silicon Carbide Filament

Diameter	Filament Dia./Grit	Arbor Hole	Drive Arbor + Recommendation	Trim Length	Max. RPM	Standard Pack	Item Number
		,	Round Fi	lament			,
1-3/4"	.035/180	5/8"	89023 or 89024	1-1/4"	6,000	2	85753
	.022/120						85751 •
	.040/80						85750
			Rectangular	r Filament			
1-3/4"	80	5/8"	89023 or 89024	1-1/4"	6,000	2	85752
2"	80	3/8"	89023 or 89024	1-1/4"	4,500	2	85773*
3"	80	3/8"	89023 or 89024	1-1/4"	4,500	1	85981*

⁺ See page 127 for drive arbor specifications. * Maximum density



"I have had no issues with any Weiler products. They are reliable. They make a good product. I don't think you could ask for anything else."

- Richard Carpenter, Nuclear Industry Worker

Non-stock product, contact Customer Service for lead times

Blending tool marks on a hydraulic component.

Featuring an integral stem for convenient mounting into a tool holder or collet, Nylox® end brushes and miniature end brushes are suitable for addressing recesses and internal features, or delivering a targeted brushing action to a specific area on a part.

APPLICATIONS

- Deburring small recessed areas and internal part features
- Finishing slots and recessed surfaces on machined parts

BURR-RX® END BRUSHES - Banded - Crimped Round Black Ceramic Filament - Mounted on 1/4" Stems

Diameter	Filament Dia./Grit	Trim Length*	Recommended RPM	Overall Length	Max. RPM	Standard Pack	ltem Number
3/8"	.026/120	1/4"	4,500 - 5,000	2-3/8"	10,000	10	86098
	.043/120						86099
1/2"	.026/120	1/4"	4,500 - 5,000	2-7/16"	10,000	10	86100
	.043/120						86101
3/4"	.026/120	1/4"	4,200 - 4,500	2-7/16"	10,000	10	86102
	.043/120						86103
1"	.026/120	1/4"	3,500 - 3,800	2-5/8"	10,000	10	86104
	.043/120						86105
	.055/80						86097

^{*} Trim length from bands



END BRUSHES - Banded - Crimped Round Silicon Carbide Filament - Mounted on 1/4" Stems

Diameter	Filament Dia./Grit	Trim Length*	Overall Length	Max. RPM	Standard Pack	Item Number
1/2"	.022/320	3/8"	2-9/16"	10,000	10	11160
	.035/180					11161
	.040/120					11162
3/4"	.035/180	3/8"	2-7/16"	10,000	10	11165
	.040/120					11166
1"	.035/180	3/8"	2-11/16"	10,000	10	11169
	.040/120					11170





END BRUSHES - Crimped Round Silicon Carbide Filament - Mounted on 1/4" Stems

Diameter	Filament Dia./Grit	Trim Length	Overall Length	Max. RPM	Standard Pack	Item Number
1/2"	.022/320	7/8"	2-9/16"	10,000	10	10172
	.035/180					10173
	.040/120					10174
3/4"	.022/320	7/8"	1-1/2"	10,000	10	10152
	.035/180					10153
	.040/120					10154
1"	.022/320	7/8"	2-3/4"	10,000	10	10155
	.035/180					10156
	.040/120					10157



MINIATURE END BRUSHES - Plastic Ferrule - Crimped Round Silicon Carbide Filament

Mounted on 1/8" stems

Diameter	Filament Dia./Grit	Trim Length	Overall Length	Max. RPM	Standard Pack	ltem Number
3/16"	.018/500	1/4"	1-7/8"	37,000	144	26136
1/4"	.018/500	3/8"	2-1/8"	37,000	144	26138
5/16"	.018/500	9/16"	2-11/32"	25,000	144	26146



Deburring a vane section for a jet engine.

TARGETED FEATURE DEBURRING PRODUCTS

WHEEL BRUSHES



Weiler's Nylox® abrasive nylon wheel brushes featuring composite metal hub and composite hub construction are manufactured using a molded polymer material to retain the filaments. In comparison to traditional metal hub construction that folds the fill material around an internal retaining ring or wrap wire, these techniques result in a significant increase in fill density and elimination of filament breakage, offering the lowest cost-of-use and greatest consistency of performance in production applications.

Weiler's composite metal hub wheels marry the high density and superior filament retention of composite hub wheels with the dimensional stability and shock resistance of metal hub construction, and they feature 2" arbor holes, which allows for convenient mounting on many pieces of equipment.

Burr-Rx® wheels feature Weiler's advanced black ceramic grain filament, which delivers up to a 400% greater edge cutting action in comparison to traditional silicon carbide and aluminum oxide filaments for the fastest, most aggressive deburring action to minimize cycle times and maximize media life.

APPLICATIONS

- Precision deburring of component parts after machining or grinding
- Improving texture characteristics on machined or ground surfaces
- Honing cutting tools and generating specific edge profiles and radii
- Light duty cleaning and finishing of metals; light sanding of woods and composites

BURR-RX® CRIMPED FILAMENT WHEELS

Composite Metal Hub* - Crimped Round Black Ceramic Filament

Diameter	Filament Dia./Grit	Arbor Hole	Face Width	Trim Length	Thickness At Face Plates	Max. RPM	Standard Pack	Item Number
6"	.026/120	2"	3/4"	1"	15/16"	4,000	1	86123
	.035/80							86181
	.043/120							86124
	.055/80							86120
8"	.026/120	2"	7/8"	2"	15/16"	4,000	1	86126
	.043/120							86127
	.055/80							86128
10"	.026/120	2"★	1-1/8"	2"	7/8"	1,800	2	86129
	.035/80							86182 •
À	.043/120							86130
	.055/80							86131
12"	.026/120	2"★	1-1/4"	3"	7/8"	1,800	2	86132
	.043/120							86133
	.055/80							86134
14"	.026/120	2"★	1"	1-3/4"	3/4"	1,800	2	86135
330	.035/80							86108
	.043/120							86136
	.055/80							86137
14"	.026/120	2"★	1-1/4"	4"	7/8"	1,800	2	86138 •
•	.043/120							86139
	.055/80							86140
*Patent Pending			★ 1/2" x 1/4" Doi	uble Keyway	• Nor	n-stock product, (contact Customer Se	rvice for lead time:

BURR-RX CRIMPED FILAMENT WHEELS

Composite Hub - Crimped Round Black Ceramic Filament

0.D. x I.D.	Filament Dia./Grit	Face Width	Trim Length	Thickness At Face Plates	Max. RPM	Standard Pack	Item Number
8" x 3-1/4"	.043/120	1"	1-5/16"	13/16"	1,800	2	83394 •
14" x 7-1/4"	.026/120	1"	2-3/4"	15/16"	1,800	2	84926 •
	.043/120						84941 •
	.035/80						84925 •
	.055/80						83405
					Non-stock produ	et contact Customor	Sarvina for land times

Non-stock product, contact Customer Service for lead times



CRIMPED FILAMENT WHEELS - Composite Metal Hub* - Crimped Round Silicon Carbide Filament

Diameter	Filament Dia./Grit	Arbor Hole	Face Width	Trim Length	Thickness Through Arbor	Max. RPM	Standard Pack	Item Number
6"	.018/500	2"	1"	1-1/4"	1-1/16"	4,000	1	83000
	.022/320							83010
	.022/120							83011
	.035/180							83030
	.040/120							83040
	.040/80							83050
	.060/46							83070 •
8"	.018/500	2"	1"	2-1/4"	3/4"	4,000	2	83100
	.022/320							83110
	.022/120							83111
	.035/180							83130
	.040/120							83140
	.040/80							83150
10"	.022/320	2"★	1-1/8"	2"	7/8"	1,800	2	83513 •
	.035/180							83514 •
	.040/120							83515 •
	.040/80							83516
12"	.022/320	2"★	1-1/4"	3"	7/8"	1,800	2	83715 •
	.035/180							83716 •
	.040/120							83717
	.040/80							83718
*Patent Pending		,	★ 1/2" x 1/4" Dou	ıble Keyway	• No	on-stock product, (contact Customer Se	rvice for lead times



Removing burrs from an aluminum heat sink.

A CONTRACTOR OF THE PERSON NAMED IN COLUMN NAM	

RECTANGULAR FILAMENT WHEEL - Composite Metal Hub* - Straight Silicon Carbide Filament

Diameter	Grit Size	Arbor Hole	Face Width	Trim Length	Thickness Through Arbor	Max. RPM	Standard Pack	Item Number
12"	80	2"★	1-1/4"	3"	7/8"	1,800	2	85014 •

^{*}Patent Pending

MADE IN

METAL HUB BASIC SECTIONS

CRIMPED FILAMENT BASIC SECTIONS - Metal Hub - Crimped Round Silicon Carbide Filament For light-duty deburring and finishing in applications such as low-volume manual deburring or general use in a tool room or shop.

0.D. x I.D.	Filament Dia./Grit	Face Width	Trim Length	Thickness Through Arbor	Max. RPM	Standard Pack	Item Number
6" x 2"	.022/320	5/8"	1-1/2"	9/16"	6,000	2	20600
	.035/180						20610
	.040/120						20620
8" x 2"	.022/320	5/8"	2-1/2"	9/16"	5,000	2	20630 •
	.040/120						20650
10" x 3-1/4"	.035/180	9/16"	2-7/8"	17/32"	4,500	2	20661 •
14" x 5-1/4"	.035/180	9/16"	3-7/8"	9/16"	3,000	2	20730 •

• Non-stock product, contact Customer Service for lead times



See adapters on pages 126-127

^{★ 1/2&}quot; x 1/4" Double Keyway

Non-stock product, contact Customer Service for lead tim



Deburring the tip of a turbine blade.

NARROW FACE WHEELS



BURR-RX® HEAVY-DUTY NARROW FACE WHEELS - Metal Hub - Crimped Round Black Ceramic Filament

Diameter	Filament Dia./Grit	Arbor Hole	Face Width	Trim Length	Thickness Through Arbor	Max. RPM	Standard Pack	ltem Number
3"	.026/120	5/8"-1/2"	9/16"	1/2"	7/16"	6,000	2	31240
	.035/80							31241
4"	.026/120	5/8"-1/2"	5/8"	1"	7/16"	6,000	2	31110
	.035/80							31270
	.043/120							31280
	.055/80							31290

BURR-RX NARROW FACE WHEELS - Metal Hub - Crimped Round Black Ceramic Filament

Diameter	Filament Dia./Grit	Arbor Hole	Face Width	Trim Length	Thickness Through Arbor	Max. RPM	Standard Pack	Item Number
3"	.035/80	1/2"-3/8"	3/8"	1/2"	7/16"	6,000	2	31102
	.043/120							31101
4"	.026/120	1/2"-3/8"	1/2"	7/8"	7/16"	6,000	2	86165
	.035/80							31103
	.043/120							31100
	.055/80							31105
6"	.026/120	5/8"-1/2"	5/8"	7/8"	11/16"	4,500	2	31134
	.043/120							31135
	.035/80							31136
	.055/80							31137







HEAVY-DUTY NARROW FACE WHEELS - Metal Hub - Crimped Round Silicon Carbide Filament

Diameter	Filament Dia./Grit	Arbor Hole	Face Width	Trim Length	Thickness Through Arbor	Max. RPM	Standard Pack	ltem Number
3"	.040/80	5/8"-1/2"	9/16"	1/2"	7/16"	6,000	2	31245 •
4"	.022/320	5/8"-1/2"	5/8"	1"	7/16"	6,000	2	31255 •
	.035/180							31265
	.040/120							31275
	.040/80							31285

Non-stock product, contact Customer Service for lead times



NARROW FACE WHEELS - Metal Hub - Crimped Round Silicon Carbide Filament

Diameter	Filament Dia./Grit	Arbor Hole	Face Width	Trim Length	Thickness Through Arbor	Max. RPM	Standard Pack	Item Number
3"	.022/320	1/2"-3/8"	3/8"	1/2"	7/16"	6,000	2	31074
	.035/180							31084
	.040/120							31094
4"	.022/320	1/2"-3/8"	1/2"	7/8"	7/16"	6,000	2	31104
	.035/180							31114
	.040/120							31124
6"	.022/320	5/8"-1/2"	5/8"	7/8"	11/16"	4,500	1	31121
	.035/180							31122
	.040/120							31123



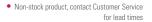
APPLICATION ENGINEERED WHEELS

CRIMPED FILAMENT WHEELS - Composite Hub - Crimped Round Silicon Carbide Filament

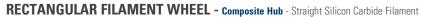
0.D. x I.D.	Filament Dia./Grit	Face Width	Trim Length	Thickness Through Arbor	Max. RPM	Standard Pack	Item Number
6" x 2"	.040/80	1/2"	1-1/4"	9/16"	3,600	1	83116 •
8" x 2"*	.040/120	7/8"	2-1/8"	13/16"	3,600	2	83190 •
	.040/80						83180 •
8" x 3-1/4"	.040/80	1"	1-5/16"	13/16"	1,800	2	83393 •
10" x 2"	.018/500	1"	3"	1-1/16"	3,600	2	83300
	.022/320						83310 •
	.035/180						83330
	.040/120						83340
	.040/80						83350
10" x 3-1/4"	.035/180	1"	2-5/16"	13/16"	1,800	2	83430 •
	.040/120						83440
	.040/80						83450
10" x 5-1/4"	.040/80	1"	1-5/8"	15/16"	1,800	2	83550
12" x 3-1/4"	.035/180	1-1/8"	3-5/16"	13/16"	1,800	2	83630 •
	.040/120						83640 •
12" x 4-1/4"	.022/320	1"	3-1/8"	15/16"	1,800	2	84710 •
	.035/180						84730 •
	.040/120						84740 •
	.040/80						84750 •
12" x 5-1/4"	.040/120	1-1/8"	2-3/4"	15/16"	1,800	2	83740 •
	.040/80						83750
12" x 5-1/4"-2"*	.022/320	1-1/8"	2-3/4"	1-1/16"	1,800	2	85156 ••
14" x 5-1/4"	.022/320	1-1/8"	3-3/4"	15/16"	1,800	2	83910
	.035/180						83930
	.040/120						83940
	.040/80						83950
14" x 5-1/4"-2"*	.022/320	1-1/8"	3-3/4"	1-1/16"	1,800	2	85150 ••
	.040/80						85153 ••
20" x 12"	.035/180	1-1/4"	3-1/4"	1-1/16"	1,000	1	85440 •



Non-stock product, contact Customer Service for lead-time.



MADE IN



0.D. x I.D.	Grit Size	Face Width	Trim Length	Thickness Through Arbor	Max. RPM	Standard Pack	Item Number
14" x 5-1/4"	120	1-1/8"	3-3/4"	1-1/16"	1,800	2	84640

Other diameters and grit sizes available upon request

DIAMOND FILAMENT WHEEL BRUSHES

Weiler's diamond filament wheels are ideal for producing edge radii on hard materials such as diamond, CBN, ceramic and glass. Our wheel brushes are made-to-order in a wide range of diameters and thicknesses. Additional configurations are available such as; tube brushes, composite hub disc brushes and end brushes. Other sizes and pricing are available on request. Please contact Customer Service at 800-835-9999.

DIAMOND FILAMENT WHEELS - Composite Hub - Round Diamond Filament

0.D. x I.D.	Filament Dia./Grit	Face Width	Trim Length	Thickness Through Arbor	Max. RPM	Standard Pack	ltem Number
6" x 2"	.024/200	5/16"	1-1/4"	1/4"	3,600	1	83002 •
	.014/600						83003 •
	.012/1000						83004 •
8" x 2"	.024/200	5/16"	2-1/4"	1/4"	3,600	1	83005 •
	.014/600						83006 •
	.012/1000						83007 •

Non-stock product, contact Customer Service for lead-times.



Deburring a camshaft with a Nylox wheel.



NOTE See adapters on pages 126-127

^{* 1/2&}quot; x 1/4" Double Keyway

ADAPTERS AND DRIVE ARBORS



03809



METAL ADAPTERS - Reusable - Used in pairs and priced per pair.

Diameter	Arbor Hole Size	Used With	Standard Pack	Item Number
2"	1/2"	All 2" I.D.	1	03809
	5/8"	Wheels		03810
	3/4"			03811
	7/8"			03824
	1"			03812
	1-1/4"			03813
	1-1/2"			03814
3-1/4"	3/4"	3-1/4" I.D.	1	03910 •
	7/8"	Wheels		03911 •
	1"	(When mounting		03912 •
	1-1/4"	only one wheel)		03913 •
	2"			03915 •
5-1/4"	3/4"	5-1/4" I.D.	1	03920 •
	7/8"	Wheels		03921 •
	1"	(When mounting		03922 •
	1-1/4"	only one wheel)		03923 •
	2"			03925

Non-stock product, contact Customer Service for lead-times.

STEEL FLANGES - Reusable - Used on the ends of a gang mount. Used in pairs and priced per pair. Must be used in conjunction with Pressboard Adapters in chart below.



1		
	03944	

Flange O.D.	Arbor Hole Size	Used With	Standard Pack	Item Number
5-5/8"	3/4"	3-1/4" & 4-1/4"	1	03931 •
	1"	I.D. Wheels		03933 •
	1-1/4"			03934 •
	2"			03936 •
6-1/2"	1-1/4"	5-1/4" I.D.	1	03944 •
	1-1/2"	Wheels		03945 •
	2"			03946 •
8-3/4"	1-1/4"	7-1/4" I.D.	1	03954 •
	1-1/2"	Wheels		03955 •
	2"			03956 •
	•		Non stock product contact	t Customor Sonico for lose

Non-stock product, contact Customer Service for lead-times.

PRESSBOARD ADAPTERS - Used for centering 10", 12" and 14" Nylox® Wheels when gang mounting. Must be used in conjunction with Steel Flanges in chart above.

Brush I.D.	Arbor Hole Size	Standard Pack	Item Number
3-1/4"	3/4"	1	03890 •
	1"		03892 •
	1-1/4"		03893 •
	2"		03895 •
4-1/4"	3/4"	1	03960 •
	1-1/4"		03963 •
	2"		03965 •
5-1/4"	1-1/4"	1	03403 •
	1-1/2"		03404 •
	2"		03405 •
7-1/4"	1-1/4"	1	03973 •
	1-1/2"		03974 •
	2"		03975 •

Non-stock product, contact Customer Service for lead-times



NOTE

The adapters and drive arbors listed on this page are for use with small diameter wheel brushes only; do not attempt to use them with cutting or grinding wheels, buffing wheels, or any type of abrasive wheel or disc.



Prevents Smearing. Improves the Finish. Lowers Costs.



1. Turn off machine.



2. Slowly rotate wheel by hand.



While rotating, direct a light spray of Lubricut into the wheel face.

Use with Nylox® wheels operating above the recommended surface speed. Directing a light spray of Lubricut into the face of the wheel permits the wheel to be operated at higher surface speeds and up to twice the normal load without smearing - while improving the finish.

Description	Ounces	Standard Pack	Item Number
Lubricut Lubricant	8	1	83999



PLASTIC ADAPTERS

Fixed Arbor Hole Size	Adapted Arbor Hole Size	Used With	Standard Pack	ltem Number
1/2"	1/4"	Small Dia. Wheels	10	04400
1/2"	3/8"	Small Dia. Wheels	10	04401
5/8"	1/2"	Small Dia. Wheels	10	04402







For Brush Diameter	Stem Diameter	Stem Length	Max. RPM	Standard Pack	ltem Number
1-3/4"	1/4"	1-3/4"	6,000	1	89023*
1-3/4"	3/8"	1-3/4"	6,000	1	89024*
2"-3"	1/2"	1-3/4"	6,000	1	89029*



MINIATURE & BURR-RX DISC BRUSH DRIVE ARBORS - Includes drive arbor, set screw and hex key. Recommended for operations in which brush rotation alternates between forward and reverse.

For Brush	Stem	Stem	Max.	Standard	ltem
Diameter	Diameter	Length	RPM	Pack	Number
2"-3"	1/2"	1-3/4"	6,000	1	89033*

^{*} For use with Burr-Rx Mini Disc brushes on page 111 & 116 only. Products supplied with set screw and wrench.



DISC BRUSH FLOW-THROUGH DRIVE ARBORS

Mounts Weiler disc brushes to any type of milling machine or CNC machine.

Fits	Arbor Hole	Drive Studs	Bolt Circle	Plate 0.D.	Shaft Dia.	Stem Length	Std. Pack	Item Number
3", 4" and 5" Disc Brushes	7/8"	2	1-1/4"	2-7/8"	3/4"	2-3/4"	1	07700
6" Std. Tuft Disc Brushes NOT Max. Density	7/8"	3	3"	5-7/8"	3/4"	2-1/2"	1	07701
6" Max. Density Disc Brushes, also 5" Std. Tuft	7/8"	2	1-1/4"	4-7/8"	3/4"	2-1/2"	1	07715
8" and 9" Disc Brushes	7/8"	4	3"	7-7/8"	3/4"	2-1/2"	1	07702
10" and 12" Disc Brushes	7/8"	4	1-5/8"	9-7/8"	3/4"	2-1/2"	1	07703 •
Replacement kit includes: (1) 1/2"-13 locking flow-through bolt & (1) Belleville spring washer						1	07718 •	

Non-stock product, contact Customer Service for lead-times.





NOTE

- Do not adapt a wheel brush for use on a shaft diameter less than that specified by ANSI B165.1 (see page 55) or exceed the maximum wheel diameter specified for a drive arbor.
- Never mount a drive arbor onto a tool that operates above the maximum RPM rating of either the arbor or the brush (whichever may be lower) and be sure that the stem of the arbor is properly secured in the collet or chuck before use.

^{*} For use with Burr-Rx Mini Disc brushes on page 111 & 116 only. Products supplied with set screw and wrench.



Removing gasket material from a pipe flange.

31112



6160









NOTE

Nylon abrasive filament brushes require a lower operating RPM than most other power tool accessories and they cannot be used effectively on standard grinders.

FME AREA PRODUCT SOLUTIONS

In nuclear power plants, Foreign Material Exclusion (FME) programs may limit or even exclude the use of wire brushes in some areas during the performance of routine maintenance, repair or shutdown activities. Weiler has developed a FME-compliant tooling system to address the needs of plant operators and maintenance contractors working in these facilities as well as other industries where the potential introduction of broken wire filaments may be of concern. Weiler's FME Solutions program is a complete system consisting of non-wire brushing tools designed to perform a broad range of surface cleaning and preparation applications.

BLACK NYLOX® **CERAMIC BRUSHES** - The engineered ceramic grain in Weiler's Black Nylox filament is up to 400% more aggressive than the silicon carbide and aluminum oxide grain in other abrasive filaments, making it much more effective in surface cleaning applications. The efficient cutting action of the Black Nylox filament also generates less heat and makes it much more resistant to "smearing" than traditional nylon abrasive filaments.

NARROW FACE WHEELS - Crimped Ceramic Filament

Used on edge for weld prep and cold weld cleaning

osed on edge for weld prep and cold weld cleaning.									
Diameter	Filament Dia./Grit	Face Width	Arbor Hole	Max. RPM	Standard Pack	Item Number			
4"	.055/80	1/2"	5/8"-11 Nut	4,800	5	31112 •			
4"	.043/120	1/2"	5/8"-11 Nut	4,800	5	31111 •			

CUP BRUSH - Rectangular Ceramic Filament

Used on its face for heavy-duty cleaning of broad surfaces.

0000 011 110 1000 101 1	od on its lade for heavy daty documing of broad barrades.									
Diameter	Filament Dia./Grit	Arbor Hole	Max. RPM	Standard Pack	Item Number					
4"	.049 x .098 - 80 Grit	5/8"-11 Nut	4,800	1	86160 •					

Non-stock product, contact Customer Service for lead-times

Non-stock product, contact Customer Service for lead-times

END BRUSH - Crimped Ceramic Filament - 1/4" Stem

For spot-facing or cleaning in tight areas.

Diameter	Filament	Trim	Overall	Max.	Standard	ltem
	Dia./Grit	Length	Length	RPM	Pack	Number
1"	.055/80	1/4"	3-3/32"	4,800	10	86148 •

Non-stock product, contact Customer Service for lead-times.

CONTROLLED FLARE END BRUSH - Crimped Ceramic Filament - 1/4" Stem

For cleaning corners and tight areas.

o o	o .					_
Diameter	Filament Dia./Grit	Trim Length	Overall Length	Max. RPM	Standard Pack	Item Number
1"	.035/80	1-1/8"	2-1/2"	4,800	10	86159 •

Non-stock product, contact Customer Service for lead-times

CONFLEX BRUSHES - Crimped Ceramic Filament - 1/4" Stem

For O.D. and I.D. cleaning in confined areas.

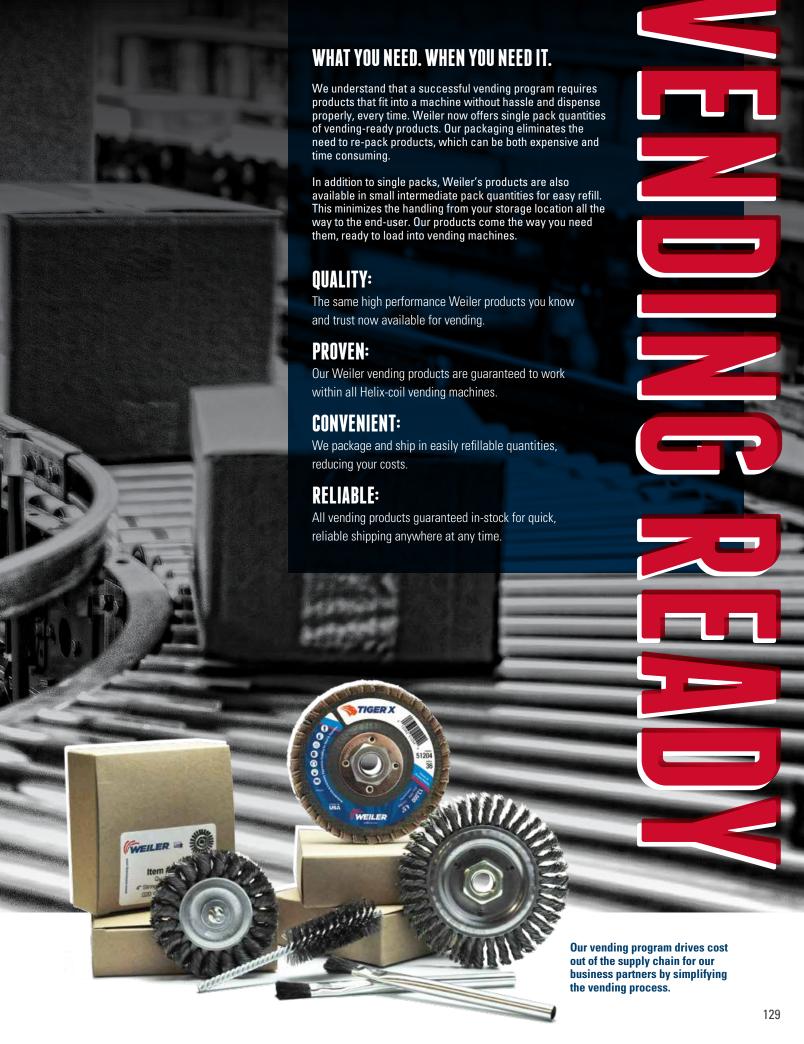
	o .					
Diameter	Filament Dia./Grit	Face Width	Trim Length	Max. RPM	Standard Pack	Item Number
3"	.043/120	1"	15/16"	4,800	10	86171 •
3"	.055/80	1"	15/16"	4,800	10	86172 •

Non-stock product, contact Customer Service for lead-times.

HAND SCRATCH BRUSHES - Crimped Ceramic Filament - For general purpose, light-duty cleaning.

Overall Length	Block Type	Brush Part	Grit Size	Trim Length	Standard Pack	Item Number
10"	Wood	5"	80	3/4"	12	44144 •
8-3/4"	Wood	2 x 9 Rows	120	5/8"	36	95016 •

Non-stock product, contact Customer Service for lead-times.





STANDARD TWIST WHEELS Provide heavy-duty brushing action on somewhat irregular surfaces.

•		Wire	Arbor	No. of	Face	Trim	Max.	Intermediate	Item N	lumber
	Dia.	Size	Hole	Knots	Width	Length	RPM	Pack	Steel	Stainless
	3"	.014	1/2"-3/8"	20	3/8"	5/8"	25,000	5	08014V •	08264V •
	4"	.014	5/8"-11 UNC	24	1/2"	7/8"	20,000	5	13106V •	13113V
		.020							13120V	_



CABLE TWIST WHEELS Provide heavy-duty brushing action on relatively smooth surfaces.

OADLL		VVIILLLO	i i i oviue i ieav	r-uuty brusiiiit	j activii vii ieid	atively silloutil	surraces.	~ •
	Wire	Arbor	No. of	Face	Trim	Max.	Intermediate	Item Number
Dia.	Size	Hole	Knots	Width	Length	RPM	Pack	Steel
4"	.020	5/8"-11 UNC	24	1/4"	7/8"	20,000	5	13266V
		1/2"-3/8"						08534V •
G"	กวว	E/0" 1/2"	24	2 /0"	1 2/0"	0.000	5	U0E8E// •

Non-stock product, contact Customer Service for lead-times.





ROUGHNECK® STRINGER BEAD WHEELS - The go to for high-performance weld cleaning.



	Wire	Arbor	No. of	Face	Trim	Max.	Intermediate	Item N	lumber
Dia.	Size	Hole	Knots	Width	Length	RPM	Pack	Steel	Stainless
				Root P	ass Brushes				
4"	.020	5/8"-11 UNC	32	3/16"	7/8"	20,000	5	13131V •	13138V •
4-1/2"	.020	5/8"-11 UNC	38	3/16"	13/16"	12,500	5	13232V	_
5"	.020	5/8"-11 UNC	38	3/16"	7/8"	12,500	5	08756V •	08806V
6"	.020	5/8"-11 UNC	48	3/16"	1-1/8"	12,500	1	08766V †	_
6"			56					09400V	_
7"	.020	5/8"-11 UNC	56	3/16"	1-1/8"	9,000	1	09000V	_
				Filler P	ass Brushes				
6"	.023	5/8"-11 UNC	24	1/2"	1-3/8"	12,500	1	08776V	_

† Light-duty





STEM MOUNTED KNOT WHEELS - 1/4" stem - Ideal for somewhat irregular surfaces.



	Wire	No. of	Face	Trim	Max.	Intermediate	Item Number
Dia.	Size	Knots	Width	Length	RPM	Pack	Steel
3-1/4"	.014	20	3/8"	5/8"	25,000	1	17681V •
4"	.014	24	1/2"	7/8"	20,000	5	17687V •

Non-stock product, contact Customer Service for lead-times.



CONFLEX BRUSHES - Copper center wheels mounted onto a 1/4" stem provide very flexible brushing.



	Wire	Face	Trim		Intermediate	Item Number		
Dia.	Size	Width	Length	RPM	Pack	Steel	Stainless	Brass
2"	.0118	3/8"	1/2"	20,000	1	17610V •	17611V •	-
3"	.008	1/2"	1"	20,000	1	17615V •	-	-
	.0118					17616V •	_	17641V
	.014					_	17618V •	_

Non-stock product, contact Customer Service for lead-times.

Key:



Non-stock product, contact Customer Service for lead-times.

KNOT WIRE CUP BRUSHES Provide heavy-duty brushing action on relatively flat surfaces.

	Wire	Arbor	Trim	Max.	Intermediate	Item N	lumber
Diameter	Size	Hole	Length	RPM	Pack	Steel	Stainless
2-3/4"	.014	5/8"-11 UNC	1"	14,000	1	13025	_
	.020					13286	13258
3-1/2"	.023	5/8"-11 UNC	7/8"	13,000	1	13156	13163
4"	.023	5/8"-11 UNC	1-1/4"	10,200	1	12316	_
5"	.023	5/8"-11 UNC	1-3/8"	9,000	1	12276 *	_
6"	.014	5/8"-11 UNC	1-3/8"	6,600	1	12356	_
	.023					12376	- 4

^{*} With internal nut



$\textbf{CRIMPED CUP BRUSHES} \ \textit{Provide consistent performance on light-duty cleaning applications}.$

	Wire	Arbor	Trim	Max.	Intermediate	Item Number
Diameter	Size	Hole	Length	RPM	Pack	Steel
3"	.014	5/8"-11 UNC	1"	14,000	1	13245
3-1/2"	.014	5/8"-11 UNC	7/8"	12,000	1	13181
4"	.014	5/8"-11 UNC	1-3/8"	10,200	1	14026
5"	.014	5/8"-11 UNC	1-1/4"	9,000	1	14206
6"	.014	5/8"-11 UNC	1-1/4"	6,600	1	14066 *

^{*} With internal nut





UTILITY CRIMPED WIRE CUP BRUSHES - Small diameter cup brushes for use on air tools.

Diameter	Wire Size	Trim Length	Overall Length	Max. RPM	Intermediate Pack	Item Number Steel
1-3/4"	.0118	3/4"	2-5/16"	13,000	1	14301V
2-3/4"	.0118	7/8"	2-1/2"	6,000	1	14302



	Wire	Max.	Intermediate	Item Number			
Diameter	Size	RPM	Pack	Steel			
3"	nn8	16 000	1	10041V			

KNOT WIRE END BRUSHES Provide heavy-duty brushing action in recessed areas.

	Wire		Overall		Intermediate	Item Number			
Diameter	Size	Length	Length	RPM	Pack	Steel	Stainless		
3/4"	.020	7/8"	2-5/8"	22,000	3	10026V •	_		
	.014					_	10029V •		
1-1/8"	.014	7/8"	2-5/8"	22,000	3	10027V •	10031V		
	.020					10028V •	_		
	.006	1-1/8"	2-9/16"	20,000		10141V * •	_		

^{*} Globally sourced product

Non-stock product, contact Customer Service for lead-times.



	Wire	Trim	Overall	Max.	Intermediate	Item N	lumber
Diameter	Size	Length	Length	RPM	Pack	Steel	Stainless
1/2"	.006	7/8"	2-9/16"	25,000	3	10001V •	10013V
3/4"	.006	7/8"		22,000	3	10005V •	10017V •
	.020					10008V •	_
1"	.006	1"	2-13/16"	22,000	3	10009V •	10021V
	.0104		2-5/8"			10010V •	10022V
	.020	1-1/8"	2-15/16"			10012V •	_

Non-stock product, contact Customer Service for lead-times











ROUND TUBE BRUSHES - Crimped wire fill provides flexible brushing action.







					-		-7 -	
	Wire	Brush	Stem	Overall	Intermediate	Item N	Item Number	
Diameter	Size	Part	Diameter	Length	Pack	Steel	Stainless	
1/4"	.004	1"	1/8"	3-1/2"	3	-	21081V	
3/8"	.004	1"	1/8"	3-1/2"	3	21073V •	_	
1/2"	.005	1"	3/16"	3-1/2"	3	21074V	_	
5/8"	.005	1"	3/16"	3-1/2"	3	21075V	_	
7/8"	.006	1"	7/32"	3-1/2"	3	21077V	_	
1"	.008	1"	1/4"	3-1/2"	3	21078V	_	
			Double Stem,	Double Spiral				
1/2"	.006	2"	5/32"	5"	6	21107V •	_	
5/8"	.005	2"	7/32"	5"	6	21108V	_	
3/4"	.006	2-1/2"	1/4"	5-1/2"	6	21110V	_	
1"	.006	2-1/2"	1/4"	5-1/2"	6	21114V	_	
					Manager along the service of th		and a contract day	

Non-stock product, contact Customer Service for lead-times



P

INTERNAL TUBE FITTING BRUSHES - Wire Fill - For internal cleaning and deburring of copper tube fittings.

Tube	Actual	Brush	Overall	Handle	Intermediate	Item
Diameter	Diameter	Length	Length	Length	Pack	Number
3/8"	1/2"	1"	6-1/2"	3-1/4"	6	44080V



ACID BRUSHES - Horsehair - Tin ferrule (unit packs of 4)

Width	Trim Length	Overall Length	Intermediate Pack	Item Number
5/16"	3/4"	5-3/4"	6	44088V
3/8"	3/4"	5-3/4"	6	44089V
1/2"	3/4"	5-3/4"	6	44090V





SCRATCH BRUSHES - Ideal for cleaning and prepping surfaces.

Block Size	Brush Length	No. of Rows	Trim Length	Overall Length	Intermediate Pack	Item Number		
Steel Wire								
10" x 1-1/8"	5"	4 x 16	1-3/16"	10"		44063		
14" x 7/8"	5-1/2"	3 x 19	1-3/16"	14"	1	44053		
Stainless Steel Wire								
10" x 1-1/8"	5"	4 x 16	1-3/16"	10"	1	44064		
14" x 7/8"	5-1/2"	3 x 19		14"		44054		



SMALL SCRATCH BRUSHES - Ideal for cleaning and prepping surfaces. (unit packs of 3)

Block Size	Block	No. of Rows	Wire Size	Trim Length	Overall Length	Intermediate Pack	Item Number	
			Sta	ainless Steel W	/ire			
7-1/2" x 1/2"	Plastic	3 x 7	.006	1/2"	7-1/2"	5	44075V •	
	Wood						44167V	
			St	raight Brass W	ire			
7-1/2" x 1/2"	Wood	3 x 7	.006	1/2"	7-1/2"	5	44189V •	
Straight Black Nylon								
7-1/2" x 1/2"	Wood	3 x 7	.012	1/2"	7-1/2"	5	44637V •	

Non-stock product, contact Customer Service for lead-times.

WHAT YOU NEED. WHEN YOU NEED IT.

Key







SABER TOOTH™ FLAP DISC - (Type 29) - Cool, fast cutting.

Diameter	Arbor Hole	Grit Size	Max. RPM	Intermediate Pack	Item Number			
	Ceramic Alumina Grain, Phenolic Backing							
4-1/2"	5/8"-11 Nut	40	13,000	5	50105V			
		60			50106V			



50105V

TIGER® X FLAP DISC - (Type 29) - Maximum aggression & long life.

Diameter	Arbor Hole	Grit Size	Max. RPM	Intermediate Pack	Item Number
	7	Zirconia Alumina Gra	in, Phenolic Backin	g	
4-1/2"	7/8"	40	13,000	5	51201V •
		60			51202V •
4-1/2"	5/8"-11 Nut	40	13,000	5	51205V •
		60			51206V •
			• N	on-stock product, contact Cus	stomer Service for lead-time



51201V

BIG CAT® FLAP DISC - High Density (Type 27) — Increased conformability and maximum life.

Diameter	Arbor Hole	Grit Size	Max. RPM	Intermediate Pack	Item Number				
Zirconia Alumina Grain, Phenolic Backing									
4-1/2"	7/8"	40	12,000	5	50803V				
		60			50804V				
4-1/2"	5/8"-11 Nut	40	12,000	5	50808V				
		60			50809V				



TIGER FLAP DISC - (Type 29) - Maximum aggression & long life.

Diameter	Arbor Hole	Grit Size	Max. RPM	Intermediate Pack	Item Number
	Z	irconia Alumina Gra	in, Aluminum Backiı	ıg	
4-1/2"	7/8"	40	13,000	5	50513V
		60			50514V
4-1/2"	5/8"-11 Nut	40	13,000	5	50518V
		60			50519V



TRIMMABLE TIGER® FLAP DISC - (Type 29) – Trimmable backing for extended disc life.

IIIIIIIIIIADEE	IIGEII IEAI I	(Type 23)	Tillillable backing it	5.0	
Diameter	Arbor Hole	Grit Size	Max. RPM	Intermediate Pack	Item Number
4-1/2"	5/8"-11 Nut	40	13,000	5	50006V
		60			50007V



TIGER PAW™ FLAP DISC - (Type 29) — 100% Zirconia Alumina grain for performance & long life.

		(po 20) 100 /0 21100			S-7-
Diameter	Arbor Hole	Grit Size	Max. RPM	Intermediate Pack	Item Number
4-1/2"	7/8"	40	13,000	5	51119V
		60			51120V
4-1/2"	5/8"-11 Nut	40	13,000	5	51124V
		60			51125V



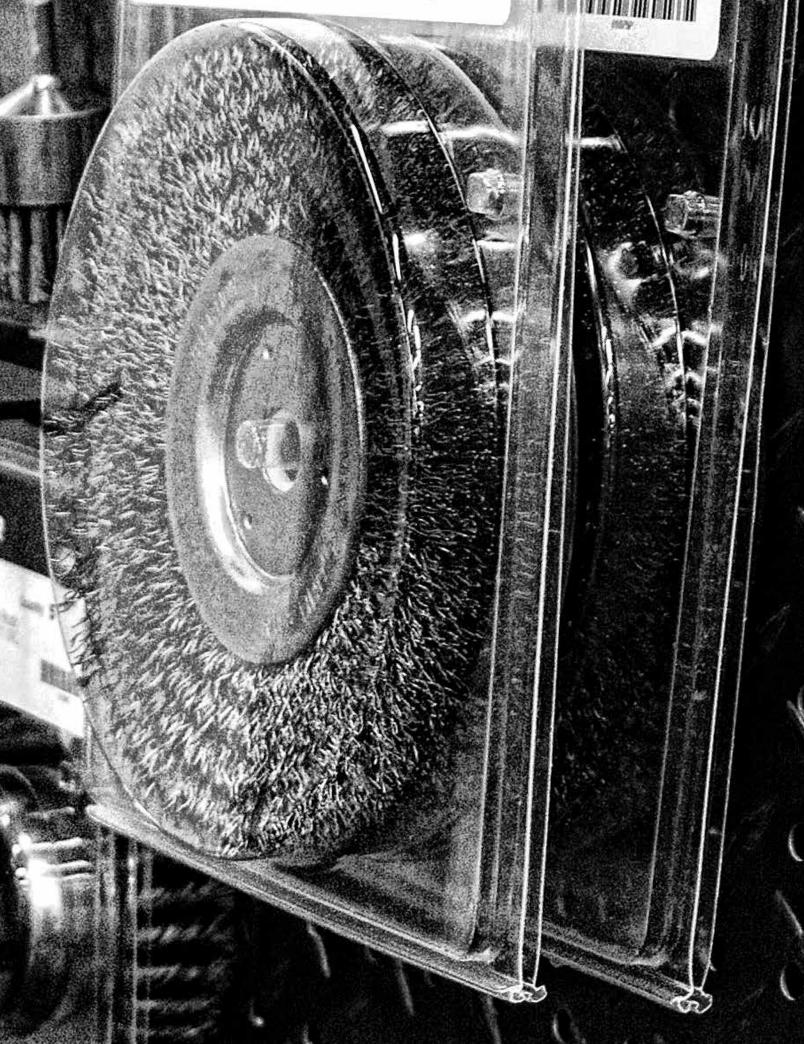
51120V

WOLVERINE® MOUNTED FLAP WHEELS - 1/4" Stem – Provide fast action at a value price.

 			.,		
Diameter	Width	Grit Size	Max. RPM	Intermediate Pack	Item Number
1"	1"	60	30,000	3	30720V
		80			30721V
2"	1"	60	25,000	1	30723V
		80			30724V
3"	1"	60	23,000	1	30726V
		80			30727V









13106P

STANDARD TWIST WHEELS provide heavy-duty brushing action with some flexibility; ideal for demanding cleaning applications on somewhat irregular surfaces.



	Wire	Arbor	No. of	Face	Trim	Max. AH	Thickness at Face	Max.	Std.	Item N	lumber
Dia.	Size	Hole	Knots	Width	Length	An Avail.	Plates	RPM	Pack	Steel	Stainless
3"	.014	1/2"-3/8"	20	3/8"	5/8"	1/2"	7/16"	25,000	1	08014P •	-
4"	.014	1/2"-3/8"	24	1/2"	7/8"	1/2"	7/16"	20,000	1	08044P •	_
4"	.014	5/8"-11	24	1/2"	7/8"	_	7/16"	20,000	1	13106P	13113P
6"	.014	5/8"-1/2"	24	1/2"	1-3/8"	1-1/4"	9/16"	9,000	1	08085P •	_

Non-stock product, contact Customer Service for lead-times.



3266P

CABLE TWIST WHEEL provides maximum brushing action with minimal flexibility; ideal for demanding cleaning and surface preparation applications on smooth surfaces.



	Wire	Arbor	No. of	Face	Trim	Max. AH	Thickness at Face	Max.	Std.	Item No.
Dia.	Size	Hole	Knots	Width	Length	Avail.	Plates	RPM	Pack	Steel
4"	.020	5/8"-11 UNC	24	1/4"	7/8"	1/2"	7/16"	20,000	1	13266P



13131P

ROUGHNECK® STRINGER BEAD WHEELS - Maximum impact action for fast removal of slag, spatter, oxidation as well as other surface prep and cleaning applications.



	Wire	Arbor	No. of	Face	Trim	Thickness at Face	Max.	Standard	Item Nu	ımber
Diameter	Size	Hole		Width	Length		RPM	Pack	Steel	Stainless
4"	.020	M10 x 1.25	32	3/16"	7/8"	7/16"	20,000	1	13125P •	_
		5/8"-11 UNC							13131P	13138P
6"	.020	5/8"-11 UNC	56	3/16"	1-1/8"	7/16"	12,500	1	09400P	_
	.023	5/8"-11 UNC	24	1/2"	1-3/8"	9/16"			08776P	_
7"	.020	5/8"-11 UNC	56	3/16"	1-1/8"	7/16"	9,000	1	09000P	_

Non-stock product, contact Customer Service for lead-times.



01075P

CRIMPED WIRE WHEELS 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 Num- ber Steel
-	6"	.014	5/8"-1/2"	3/4"	1-7/16"	1-1/4"	7/16"	6,000	1	01075P
				5/8"	1-1/16"	_	1/2"			02325P
				7/8"	1-1/8"	_	7/8"			06645P
	7"	.014	5/8"-1/2"	3/4"	1-9/16"	_	1/2"	6,000	1	02335P •
	8"	.014	5/8"	3/4"	2-1/16"	1-1/4"	1/2"	6,000	1	01175P •

Non-stock product, contact Customer Service for lead-times.

P

CONFLEX BRUSHES - Small diameter copper center wheels permanently mounted onto a 1/4" stem to provide a very flexible brushing action.

Diameter	Wire Size	Face Width	Trim Length	Max. RPM	Standard Pack	Item Number Steel
3"	.008	1/2"	1"	20,000	1	17615P •
	.014					17617P •





17617P

P

KNOT WIRE CUP BRUSHES - single Row - Provide heavy-duty brushing action with some flexibility; ideal for demanding cleaning applications on relatively flat surfaces.

	0 11		,			
	Wire	Arbor	Trim	Max.	Standard	Item Number
Diameter	Size	Hole	Length	RPM	Pack	Steel
2-3/4"	.014	5/8"-11 UNC	1"	14,000	1	13025P
2-3/4"	.020	M10 x 1.25	1"	14,000	1	13281P •
		5/8"-11 UNC				13286P
3-1/2"	.023	5/8"-11 UNC	7/8"	13,000	1	13156P
4"	.023	5/8"-11 UNC	1-1/4"	10,200	1	12316P
5"	.023	5/8"-11 UNC	1-3/8"	7,000	1	12276P* •
6"	.023	5/8"-11 UNC	1-3/8"	6,600	1	12376P

^{*} With internal nut

[•] Non-stock product, contact Customer Service for lead-times.



12316P



CRIMPED WIRE CUP BRUSHES provide very flexible brushing action and the most consistent performance for demanding light-duty cleaning applications; feature a threaded nut for use on angle grinders.



	Wire	Arbor	Trim	Max.	Standard	Item Number
Diameter	Size	Hole	Length	RPM	Pack	Steel
3"	.014	M10 x 1.25	1"	14,000	1	13240P •
		5/8"-11 UNC				13245P
4"	.020	5/8"-11 UNC	1-3/8"	9,000	1	14036P
6"	020	5/8"-11 UNC	1-1/4"	6 600	1	14076P* •

^{*} With internal nut

Non-stock product, contact Customer Service for lead-times.



13245P



THREADED ADAPTERS - For mounting brushes with a 5/8"-11 UNC nut to other threaded spindles.

Fixed Thread Size	Adapted Thread Size	Standard Pack	ltem Number
5/8" - 11 UNC	M10 x 1.25	1	07771P
5/8" - 11 UNC	M10 x 1.50	1	07772P



07771P









10028P

KNOT WIRE END BRUSHES - Feature a hollow end and heavy-duty brushing action with some flexibility; ideal for more demanding cleaning applications in recessed areas.



	Wire	Trim	Overall	Max.	Standard	Item Number
Diameter	Size	Length	Length	RPM	Pack	Steel
3/4"	.014	1-1/8"	2-5/8"	22,000	1	10025P •
	.020					10026P
1-1/8"	.014	7/8"	2-5/8"	22,000	1	10027P
	.020					10028P



10012P

CRIMPED WIRE END BRUSH - Feature a solid end construction and very flexible brushing action ideal for more demanding light-duty cleaning applications in corners and hard-to-reach areas.



	Wire	Trim	Overall	Max.	Standard	Item Number
Diameter	Size	Length	Length	RPM	Pack	Steel
3/4"	.020	7/8"	2-9/16"	22,000	1	10008P •
1"		1-1/8"	2-5/8"	20,000		10012P •
1"		1-1/8"	2-5/8"	.,	product, contact	Custome



MINI-GRINDER KIT - For use on small right angle grinders. All products have a 5/8"-11 Arbor H	ole 👺
Kit Contains	Item Number
4-1/2" Abrasive Flap Disc (Zirconium Grain, 60 Grit); Item #50519: For grinding and finishing in one step.	13001
2-3/4" Knot Wire Cup Brush (.020 Steel Wire); Item #13286: For cleaning large surface areas.	
4" Stringer Bead Knot Wire Wheel (.020 Steel Wire); Item #13131 For weld cleaning,	





deburring and surface preparation.

AIR TOOL/DRILL ACCESSORY KIT -All products have a 1/4" Stem and are ideal for general purpose cleaning and deburring in recessed or confined areas.



Kit Contains	Item Number
3" Crimped Wire Wheel (.0118 Steel Wire); Item #17616	13002
1-3/4" Crimped Wire Cup Brush (.0118 Steel Wire); Item #14301	
3/4" Crimped Wire End Brush (.020 Steel Wire): Item #10008	





STAINLESS STEEL SCRATCH BRUSH COUNTERTOP DISPLAY

Ideal for removing rust, scale and paint from metal surfaces.

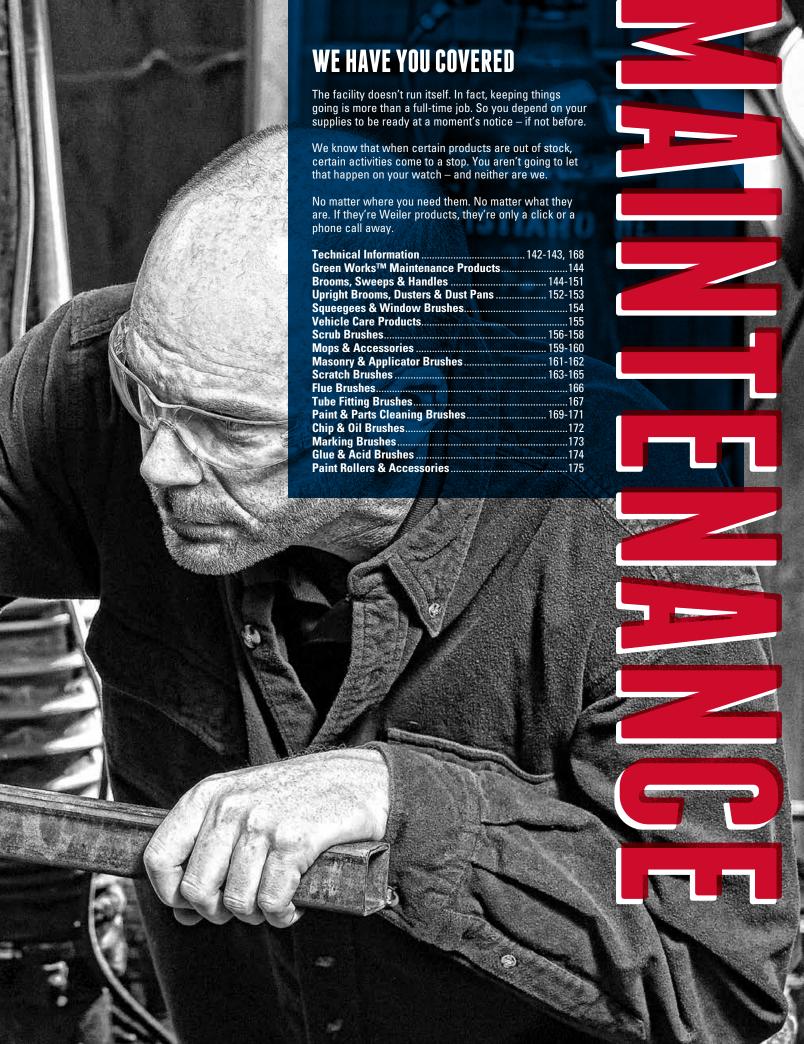
3" Abrasive Flap Wheel (Aluminum Oxide Grain, 80 Grit); Item #52028

Display Contains	Item Number
(36) Stainless Steel Small Hand Scratch Brushes. 7-1/2" x 1/2" Block Wood Handle; Item #44167	61012



61012





SELECTING THE RIGHT BRUSH

P PERFORMANCE LINE (INDUSTRIAL GRADE)

Engineered and manufactured to maximize performance and minimize operating costs in the most demanding surface conditioning applications. The use of superior construction, the highest quality materials and the most stringent manufacturing processes deliver the lowest cost-of-use and most consistent performance in heavy production environments.

VALUE LINE (PROFESSIONAL GRADE)

Weiler's value line is manufactured using similar product construction and the same exacting standards as other Weiler maintenance products, but engineered to provide cost-effective use specifically designed for the professional, providing a cost-effective price. Vortec Pro® maintenance products are an economical choice for the construction trades, low volume production shops and light-duty industrial MRO use.

FILL MATERIALS GUIDE

	Туре	
_	Horsehair	۰
1		•
_		
	Alexander of the second	

	Advantages	Applications	Notes
1611	Very durable and resilient	Fine particles	Not for use on oily
	Naturally flagged tips	 Ideal for polished and smooth surfaces 	or wet surfaces
	• Resistant to high temperatures (to 370°F)	Scratch-free sweeping	
	Can be blended with other materials		
44/16	Fine texture		

Type	Advantages	Applications	Notes
Tampico Tampico	Material holds water very well	Polishing, buffing and cleaning	Natural color is off white
	Heat, alkali and acid resistant (to 283°F)	Scrubbing and washing	Can be dyed or bleached
	Soft to medium texture	Ideal for wet and dry applications	
	Good durability		
Palmyra	Softer and finer texture than Bassine	Used in garage, scrub, deck	Brown in color
	More economical than Bassine	and patio brushes	
	Medium to coarse texture	Ideal for wet and dry applications	
South Plate of many transfer of the Control of the	Good durability		
Bassine Bassine	Coarse, tough fibers	Heavy scrubbing and cleaning	Dark brown in color
代表了 新國國際 医胶膜透影测度	Excellent durability	Tasks requiring a tough,	
《大学》		long-lasting natural fiber	
Bass	Good flexibility	Heavy-duty cleaning applications	Dark brown in color
	Very coarse, tough fibers	Use on rough surfaces	
	Excellent durability		

MIUR
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Туре	Advantages	Applications	Notes
Nylon	Excellent durability	Heavy-duty industrial	May be level or crimped
I II II SOLVER	Resistant to most acids & alkali	Scrubbing and cleaning	
the milkly state in a	High water absorbency	Wet and dry applications	
	Resistant to high temperatures (to 350°F)		
	Best man-made fiber to resist fatigue		
/// Polypropylene // //	Very durable	Variety of medium to coarse	May be level or crimped
	Acid, oil, bacteria and fungus resistant	industrial applications	
92/1920/00/00/00/00/00/00/1920/19	Versatile		
DAN BEBURAN DE REGUSARIES	Resistant to high temperatures (to 225°F)		
THE STATE OF THE S	Will not absorb moisture		
Polystyrene	Extremely durable	Used in vehicle care brushes	May be level or crimped
	Liquid and oil resistant	Used in fruit and vegetable wash brushes	Not for use with sweeping
	Resistant to temperatures (to 180°F)	Wet and dry applications	compounds
	Ends can be flagged		
Recycled PET	Environmentally-friendly	Fine, Medium & Coarse	Fill made from recycled
Marie San San Company of the	Less landfill waste	For a variety of applications	water bottles
The state of the s			

FLOOR BRUSH SELECTION GUIDE

Surface Type	Debris	Recommended Brush
Tile, linoleum, highly polished	Fine dust	Black horsehair
Smooth wood	Fine to medium dirt	Flagged silver polystyrene
Smooth concrete	Fine to medium dirt	Black polypropylene
Uneven or rough floors, heavy traffic areas	Medium to heavy dirt and debris	Black tampico
Rough concrete, asphalt	Heavy, caked dirt, grease, litter	Black tampico - inner row of steel wire or palmyra

FLOOR BRUSH FEATURES

Block: Fill material is set into this part of the sweep.

Synthetic Foam Block:

- Made with a synthetic cellular core surrounded by a solid skin.
- · Will not crack, split, warp or house contaminating bacteria.
- Water, solvent and mild acid resistant.
- Lighter weight than hardwood blocks.

Lacquered Hardwood Block:

- Made of natural, kiln-dried hardwood.
- Resists moisture.

Two Handle Holes:

Helps prevent cracking, increasing brush life.

Dense Fill:

- Set into the block and serves as the actual working part of the brush.
- · More efficient sweeping.
- Longer brush life.

Reorder Number:

Shown on block.

the fill material from setting in one direction.

Periodically changing sweeping direction increases
the life of the brush.

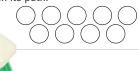
Allows user to change sweeping direction to prevent

Flagged Tips:

 Each synthetic filament end is mechanically split, forming multiple tips which "pick up" fine dust and dirt particles. Horsehair has naturally tapered or flagged tips.

Staggered Hole Pattern:

 Prevents gaps in the fill material so brush sweeps up all the dirt in its path.







Border (Casing)

Moves fine dust and dirt

- Center

Loosens and moves heavy dirt

Solid Brush Face with Flared Ends:

- The tufts of fill material on each end of a contractor, floor, garage or street brush are flared outward.
- Flared ends allow the brushing material to get into corners without marking or scraping the wall with the block.
- Prevents a gap in the middle of the brush.

FLOOR BRUSH CARE

Storage - Floor brushes should be hung when not in use so no weight is against the fill material. This will help keep the shape and prolong the life of the brush.

Handles - The handle should be periodically re-positioned from one staff hole to the other to prevent fill material from setting in one position. The use of a brace will help prevent handle breakage. Perma-FlexTM (#44301) handles are guaranteed to outlast the life of the brush.

Blocks - Avoid knocking a wood block against the floor to remove embedded material, as this will damage the end of the block.

Cleaning - Synthetic filled brushes can be cleaned with detergent and water. Fiber filled brushes should be combed to remove dirt and other foreign material. Dip coarse natural fiber brushes in water to help prevent breakage due to dry fiber.

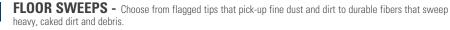
36 billion water bottles end up in landfills every year. Help us make a difference!

GREEN WORKS™ MAINTENANCE PRODUCTS

Sustainable, recyclable, environmentally-friendly, Green - all of these come to mind with the new Green Works line from Weiler. Made from recycled or sustainable raw materials, the Green Works line is manufactured in a LEED (Leadership in Energy & Environmental Design) approved facility to ensure that even the production environment is environmentally-friendly. All of this, plus the same great performance! Every product is made to the quality levels you expect when you hear the name Weiler.

Green Works Product Construction:

- Fill material is made out of recycled water bottles, giving a second life to these waste products and helping to clean
 up the environment.
- Rubberwood blocks are made from the wood of rubber trees that have ended their life cycle in the rubber production industry. We are putting the waste product of that industry to good use.
- Foam blocks are made from recycled plastics.
- Handles are made from bamboo a very strong and durable natural resource that replenishes at a very rapid rate in the environment



Block Size	Block Type	Fill Material	Trim Length	Standard Pack	Item Number
	Fine Sw	eeping - For fine dust	and dirt on smooth	surfaces	
24"	Recycled Black Foam	Recycled Grey Fill	3"	12	42352
24"	Renewable Rubberwood	Recycled Grey Fill	3"	12	42355
	Medium Sweeping	g - For general purpo:	se sweeping on ser	ni-smooth surfaces	
24"	Recycled Black Foam	Recycled Blue Fill	3"	12	42353
24"	Renewable Rubberwood	Recycled Blue Fill	3"	12	42356
	Coarse Swee	ping - For heavy dirt	and debris on very i	ough surfaces	
24"	Recycled Black Foam	Recycled Maroon Fill	3"	12	42354
24"	Renewable Rubberwood	Recycled Maroon Fill	3"	12	42357

Handle #42380 or #42381 are recommended for use with these sweeps



STREET BROOM - Ideal for wet or dry sweeping on streets, parking lots, loading docks and driveways.

Block Size	Block Type	Fill Material	Trim Length	Standard Pack	Item Number
16"	Renewable Rubberwood	Recycled Black Fill	6"	6	42360

Handle #42382 is recommended for use with this broom.



DUO SWEEP - Heavy-duty upright with two handle holes - one straight and one angled.

Size	Block Type	Fill Material	Trim Length	Standard Pack	Item Number
9"	Recycled Black Foam	Recycled Yellow Fill	7"	12	42365

Handle #42383 is recommended for use with this sweep. See page 150 for details.



COUNTER DUSTER - Ideal for quick clean-ups. Features a comfortable grip handle.

Block Size	Block Type	Fill Material	Trim Length	Overall Length	Std. Pack	Item Number
8"	Recycled Black Foam	Recycled Grey Fill	2-1/2"	13-1/8"	12	42368



SCRUB BRUSHES - Designed to provide the most effective brushing and cleaning action.

Block Size	Туре	Block Type	Fill Material	Standard Pack	Item Number
8"	Utility	Recycled Black Foam	Recycled Yellow Fill	12	42375
9"	Pointed Deck	Renewable Rubberwood	Recycled Yellow Fill	12	42373
10"	Deck	Renewable Rubberwood	Recycled Yellow Fill	12	42371
	Bi-Level	Recycled Black Foam			42372
20"	Utility	Recycled Black Foam	Recycled Yellow Fill	12	42376

Handle #42380 or #42381 are recommended for use with these scrub brushes.



SOLID BAMBOO HANDLES - Very strong, abundant source material.

Length	Diameter	Tip Type	Standard Pack	Item Number
5'	7/8"	Threaded Wood	12	42380
5'	7/8"	Threaded Metal	12	42381
5'	1-1/8"	Tapered Wood	12	42382

42380





QUICK ASSEMBLY & UNBREAKABLE!

Easy-to-Assemble: The convenient and easy-to-assemble T-knob construction of the Pro-Flex Sweep takes less than 1 minute to assemble. The handle connects easily and securely to the broom head, and there's no need for a brace!

Unbreakable: Utilizing an advanced polymer technology, the Pro-Flex Sweep's unique handle/sweep connector flexes on impact, providing unbelievable shock absorbency...and it's unbreakable! Ideal for the most demanding applications on a construction site.

More Maneuverable: Without the need for a brace, the Pro-Flex Sweep is lighter, easy to maneuver and eliminates potential damage to low surface areas.

The Pro-Flex Sweep... the strongest sweep on the market AND the easiest to assemble!



Flexible connection makes these sweeps the strongest on the market!



The Pro-Flex Sweep's indestructible design will make it the last sweep you will ever buy!

ATED ABRASIVES

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PRO-FLEX SWEEPS - Hardwood Block

Includes comfort grip Pro-Flex handle and scraper for removal of heavy, caked dirt and debris.

Block Size	Fill Material	Trim Length	Standard Pack	Item Number
	Convenient scraper attaches handle	to sweep head for dis	play and shipping purp	oses
24"	Flagged Grey Polystyrene Border with Stiff Black Polypropylene Center	3"	1	44600 ■
24"	Palmyra	4"	1	44601 ■
24"	Medium Maroon Polypropylene	3-1/4"	1	44604 ■
24"	Stiff Blue Polypropylene	3-1/4"	1	44606 ■
Packaged product	available. See names 136-139 for details			

Packaged product available. See pages 136-139 for details.

QUICK ASSEMBLY - NO TOOLS REQUIRED!



Remove nuts from broom assembly



Flip scraper and place over bolts



Place handle connector over bolts and tighten nuts securely





Sweeping leaves from a garage floor.

SPECIALTY FLOOR BRUSHES

CONTRACTOR BROOMS - Designed to withstand rugged, every day use. The 1-1/8" bolt-on handle design combined with a lacquered hardwood block and 12-gauge steel brace makes the Contractor Broom the most durable sweep in our product line.



CONTRACTOR BROOMS - Hardwood Block - Heavy-duty brace included with all brooms.

Ideal for construction sites and other heavy use environments.

Block Size	Fill Material	Trim Length	Standard Pack	Item Number
	Fine Sweeping - For fi	ine dust and dirt on sm	ooth surfaces	
24"	Flagged Silver Polystyrene	3"	1	44553
	Medium Sweeping - For genera	l purpose sweeping o	n semi-smooth surfaces	
24"	Flagged Grey Polystyrene Border	3"	1	44581
30"	with Stiff Black Polypropylene Center			44582 •
	Coarse Sweeping - For hea	vy dirt and debris on v	ery rough surfaces	
24"	Palmyra	4"	1	44584
24"	Medium Maroon Polypropylene	3-1/4"	1	44587
24"	Stiff Blue Polypropylene	3-1/4"	1	44590
30"				44591 •

Non-stock product, contact Customer Service for lead-times.

NOTE



- For Contractor Brooms, use Handle No. 44635 (1-1/8" x 60").
- Handle not included in price order handle separately. See page 150.
- Bolt to assemble broom is included with the broom, not with the handle.



PERMA-SWEEP™ FLOOR BRUSHES - Weiler offers color-coded floor sweeps to make product selection and identification easier. Constructed with foam blocks and synthetic filaments, these materials are durable, resist acid and bacteria and can be used in wet or dry sweeping applications.



PERMA-SWEEP - Synthetic Foam Block - Made of durable materials designed to resist acid and bacteria.









- For Perma-Sweep Floor Brushes, use Perma-Flex Handle No. 44301 (15/16" x 60") Guaranteed for the life of the brush!
- Handle not included in price order handle separately. See page 150.

- Handle No. 44300 (15/16" x 60") recommended for use with all Floor Brushes.
- Handle not included in price order handle separately. See pages 150-151 for additional options.



Sweeping saw dust on a smooth surface.

P

FINE SWEEPS - Lacquered Hardwood Block

For dust and fine dirt on smooth surfaces: Tile, Wood, Linoleum, Marble, Ceramic Tile and Smooth Concrete.

Block Size	Fill Material	Trim Length	Standard Pack	ltem Number	★ Combo Qty. Item Number
18"	Black Horsehair	3"	1	42001	44855 •
24"				42002	44856 •
18"	Black Horsehair	3"	1	42013	_
24"	and Black Polypropylene Blend			42014	_
10"	Flagged Silver Polystyrene	3"	12	70312	_
18"			1	42041	44857 •
24"			1	42042	44858 •
36"			1	42098 *	_



- ★ Combo Packs include 12 sweeps per pack and 12 #44300 handles (not assembled).
- * Brace included

Non-stock product, contact Customer Service for lead-times.

V

VORTEC PRO® FINE SWEEPS - Lacquered Hardwood Block

Reliable and efficient sweeps at a value price.

Bloo		Trim	Standard	ltem
Siz		Length	Pack	Number
18' 24'	Flagged Grey Polystyrene	3"	12	77013 77014





MEDIUM SWEEPS - Lacquered Hardwood Block

General purpose sweeping on semi-smooth surfaces: Wood, Smooth Concrete, Asphalt and Factory/Shop Floors.

Block Size	Fill Material	Trim Length	Standard Pack	Item Number	★ Combo Qty. Item Number
14"	Black Tampico	3"	1	42114	
16"				42006	_
18"				42007	44859 •
24"				42008	44860 •
36"				42047 *	_
18"	Horsehair Border	3"	1	42016	-
24"	with Black Tampico Center			42017	_
36"				42049 *	_
18"	Horsehair and Polystyrene Border	3"	1	70067	_
24"	with Black Polypropylene Center			70068 •	_
18"	Black Polypropylene	3"	1	42035	44861 •
24"				42037	44862 •
36"				42095 *	_



- \bigstar Combo Packs include 12 sweeps per pack and 12 #44300 handles (not assembled).
- * Brace included

Non-stock product, contact Customer Service for lead-times.

V

VORTEC PRO MEDIUM SWEEPS - Lacquered Hardwood Block

Reliable and efficient sweeps at a value price.

Block Size	Fill Material	Trim Length	Standard Pack	ltem Number	★ Combo Qty. Item Number
18"	Dark Grey Polystyrene Border	3"	1	25234	44851 •
24"	with Black Polypropylene Center			25235	44852 •
18"	Black Tampico	3"	1	25231	44853 •
24"				25232	44819 •

 \bigstar Combo Packs include 12 sweeps per pack and 12 #44300 handles (not assembled).

Non-stock product, contact Customer Service for lead-times.





COARSE SWEEPS - Lacquered Hardwood Block

For heavy dirt and debris on rough surfaces: Wood, Concrete, Asphalt and Brick.



Block Size	Fill Material	Trim Length	Standard Pack	Item Number	★ Combo Qty. Item Number
18"	Black Tampico with 1 row	3"	1	42134	44871 •
24"	Tempered Steel Wire in Center			42135	44872 •

★ Combo Packs include 12 sweeps per pack and 12 #44300 handles (not assembled).

Non-stock product, contact Customer Service for lead-times.





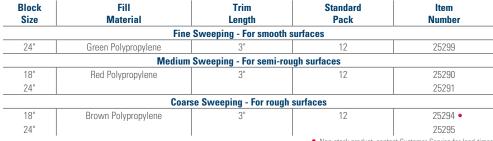
- Handle No. 44300 (15/16" x 60") recommended for use with all Floor Brushes.
 Handle not included in price order handle separately. See pages 150-151 for additional options.







VORTEC PRO® STRIP BROOMS - Economy brushes provide lasting, efficient service at minimal cost.



Non-stock product, contact Customer Service for lead-times.

· Non-stock product, contact Customer Service for lead-times





NOTE

- For Strip Brooms, use Handle No. 25297 (15/16" x 60").
- Handle not included in price order handle separately. See page 150.





DRIVEWAY COATERS - For applying blacktop driveway and parking lot dressings;

asphalt, sealers or roof coatings.

Block Size	Fill Material	Trim Length	Standard Pack	Item Number	★ Combo Qty. Item Number
10"	Black Tampico	2-5/8"	12	73180	_
18"	Palmyra	2"	12	73182 *	44885 •

- ★ Combo Packs include 12 brushes per pack and 12 #75527 handles (not assembled).
- * With squeegee



NOTE



- Handle No. 75527 (7/8" x 48") recommended for Driveway Coaters.
- Handle not included in price order handle separately. See pages 156-157 for additional options.

Key:

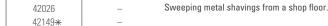


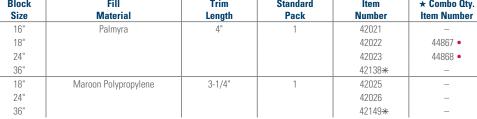


GARAGE BRUSHES - Lacquered Hardwood Block

For wet or dry sweeping heavy, caked dirt and debris on rough surfaces: Concrete, Garage/Factory Floors, Rough Wood, Sidewalks, Barns and Brick Surfaces. Solvent, oil, chemical and liquid resistant.

Block Size	Fill Material	Trim Length	Standard Pack	Item Number	★ Combo Qty. Item Number
16"	Palmyra	4"	1	42021	_
18"				42022	44867 •
24"				42023	44868 •
36"				42138 *	_
18"	Maroon Polypropylene	3-1/4"	1	42025	
24"				42026	_
36"				42149 *	_





★ Combo Packs include 12 sweeps per pack and 12 #44300 handles (not assembled).

* Brace included



monable and t	official braches at a value price.				
Block Size	Fill Material	Trim Length	Standard Pack	ltem Number	★ Combo Qty. Item Number
18"	Palmyra	4"	1	25241	44865 •
24"				25242	44866 •
18"	Maroon Polypropylene	3-1/4"	1	25238	44863 •
24"				25239	44864 •

★ Combo Packs include 12 sweeps per pack and 12 #44300 handles (not assembled).

· Non-stock product, contact Customer Service for lead-times

Non-stock product, contact Customer Service for lead-times.



NOTE



- Handle No. 44435 (1-1/8" x 60") recommended for use with all Garage Brushes.
- Handle not included in price order handle separately. See pages 150-151 for additional options.

STREET BROOMS - Hardwood Block - Wide flared ends for sweeping close to curbs and walls. For heavy-duty wet or dry sweeping: Streets, Sidewalks, Loading Docks, Parking Lots, Driveways and all Asphalt Surfaces.

Block Size	Fill Material	Trim Length	Standard Pack	Item Number	★ Combo Qty. Item Number
16"	Natural Palmyra	6-1/4"	6	70208	_
16"	Dyed Palmyra	6-1/4"	6	70209	_
16"	Bass & Palmyra Blend	6-1/4"	6	42032	44873 •
16"		7-1/4"		42099	_
16"	Brown Polypropylene	5-1/4"	6	42033	44874 •
18"				42173	_
24"				42174	_
16"	Orange Polypropylene	5-1/4"	6	70212	_
18"				42054	_
24"				42055	_
14"	White Polypropylene Fill	4"	6	70210	_
16"	Orange Block			70211	_

★ Combo Packs include 12 brooms per pack and 12 #44020 handles (not assembled).

Non-stock product, contact Customer Service for lead-times







WIRE BROOMS - Hardwood Block

For sweeping or scrubbing concrete or stone floors, driveways, etc. Ideal for sweeping heavy chips and debris.

Block Size	Fill Material	Trim Length	Standard Pack	Item Number
14"	Flat Wire	5"	1	42030
16"	Round Wire	3-3/4"	6	70215

NOTE

- · Street and wire brooms require a tapered tip handle.
- Handle No. 44020 (1-1/8" x 60") recommended for use with all Street & Wire Brooms.
- Use Spring-Loc Adapter to keep tapered wood handle securely fastened to the block.
- Handle not included in price order handle separately. See pages 150-151 for adapter and handle.



The Perma-Flex tip is guaranteed not to break when used with a Perma-Sweep.

HANDLES, BRACES & TIPS

Weiler's wood and metal handles are constructed for long life. Handles are available in a large variety of styles and tips to fit a wide selection of block types. The following charts provide recommended uses for each style handle.















WOOD HANDLES - Quality hardwood

Length	Diameter	Tip	Description	Std. Pack	Item No.
48"	7/8"	Threaded	Use with floor and garage brushes.	12	75527
48"	15/16"	Wood			44571
54"	15/16"				44572
60"	15/16"				44018
60"	1-1/8"				44019
72"	15/16"				44303
11"	3/4"	Tapered	Use with masonry and roof brushes,	36	75528 •
48"	7/8"	Wood	street brooms, floor and deck scrubs	12	44574
54"	1-1/8"		and squeegees.	12	44573
60"	1-1/8"			12	44020
72"	1-1/8"			12	44306
48"	15/16"	Threaded	Heavy-duty metal tip provides	12	75525
60"	15/16"	Metal	additional strength.		44300
60"	1-1/8"				44435
72"	15/16"				44302
48"	15/16"	Perma-Flex™	Durable threaded plastic tip	12	75516
60"	15/16"		guaranteed not to break when used		44301
			with Perma-Sweep™ Floor Brushes.		
60"	15/16"	-	Use with Strip Brooms.	12	25297
60"	1-1/8"	_	Use with Contractor Brooms.	12	44635

Non-stock product, contact Customer Service for lead-times.





METAL HANDLES - Reinforced, heavy-duty metal handles are available in two colors and optional foam cover.

Length	Diameter	Tip	Description	Std. Pack	Item No.
48"	3/4"	Threaded Plastic	Black metal with plastic hang cap.	12	42383
60"	15/16"	Threaded Metal	Black plastic coat with plastic hang cap.	12	44577
60"	15/16"	Threaded Metal	Black plastic coat with black foam cover and plastic hang cap.	12	44578





VORTEC PRO® METAL HANDLES - Reliable and efficient handles at a value price.

Length	Diameter	Tip	Description	Std. Pack	Item No.
60"	15/16"	Threaded Plastic	Black plastic coat with convenient hang-up cap.	12	75555

P

METAL TELESCOPING AND FOUNTAIN TUBE HANDLES - Use telescoping handles to shorten or extend the reach of the handle. Use fountain tube handles when a continuous flow of water is needed, i.e. car/truck washing.

Length	Diameter	Туре	Use	Std. Pack	Item No.
6' extends to 12'		Telescoping	Window, wall and Vehicle wash brushes	6	44499
5'	7/8"	Fountain Tube	Vehicle wash brushes	12	44319





FIBERGLASS HANDLES - Fiberglass handles are stronger than wood or metal. Virtually indestructible.

Length	Diameter	Tip	Description	Std. Pack	Item No.
56-3/4"	1"	Tapered/Threaded	Hollow handle	12	44561*
54"	1"	Threaded	Honeycomb core	12	44562
60"	1"	Threaded	All white	12	44563+

^{*} For use with both tapered and threaded holes + Approved for the food service industry



44561



Fiberglass with polyethylene reinforced honeycomb core



Fiberglass hollow handle.



44562



HANDLE ACCESSORIES

Description	Use	Std. Pack	Item No.
Steel brace. Fits all handle sizes.	Reinforces & locks handle to block. (Standard with sweeps 30" and larger)	12	44021
Heavy-duty steel brace attaches to block with wood screws and wraps around handle. Fits all handle sizes.	Increases life of the brush by providing extra support for handle and block.	12	44290
Replacement handle thread. Made of heavy-duty fiberglass. For any 15/16" diameter handle.	Cut off damaged threads and slip this tip in place for a new handle.	12	44317
Tapered Adapter to tapered ends.	Converts threaded handle ends	12	75505
Spring Loc Adapter for any 1-1/8" diameter tapered wood handle for street brooms and window brushes.	Keeps tapered wood handles from separating from the block.	6	44624



















Sweeping plastic and metal chips in a tool room

UPRIGHT AND WHISK BROOMS

Made of fine quality broom corn, fiber or synthetic material, Weiler's upright brooms and whisks are durable enough to meet all industrial and commercial applications.

P

UPRIGHT BROOMS - Ideal for sweeping floors, reaching into corners, cleaning ceilings, etc.



Description	Fill Material	Trim Length	Overall Length	Standard Pack	Item Number					
Household Broom - Good Quality										
4 sews - 7/8" handle	Corn & Fiber	15"	54"	12	44547					
	Lig	ht Industrial Brooms -	Better Quality							
5 sews - 7/8" handle	Corn & Fiber	17"	57"	12	44548					
5 sews - 7/8" handle	100% Corn	15"	56"	12	44009					
6 sews - 1-1/8" handle	100% Black Corn	16"	56"	12	70304					
		Janitor's Broom - Bo	est Quality							
5 sews - 1-1/8" handle Wire banded	Corn & Fiber	17"	57"	12	70308					
Warehouse Broom - Heavy-Duty										
4 sews - 1-1/8" handle Wire banded	Corn & Fiber	18"	57"	12	44008					



ANGLE BROOM - Angled trim allows access to corners, under low cabinets and other hard-to-reach areas.

Description	Fill Material	Trim Length	Overall Length	Standard Pack	Item Number
Large Plastic 12" sweep face	Flagged Plastic	7-1/2"—6"	54"	12	44305



VORTEC PRO® ANGLE BROOM - Reliable and efficient broom at a value price.

Description	Fill Material	Trim Length	Overall Length	Standard Pack	Item Number
Small Plastic 8" sween face	Flagged Plastic	3-7/8"-4-1/2"	54"	12	75160



CAP BROOMS - Metal top for added durability. Ideal for wet or dry applications.

Description	Fill Material	Trim Length	Overall Length	Standard Pack	Item Number
Metal Cap - Wire banded 12" sweep face	Palmyra	10"	55"	6	44007
Metal Cap - Wire banded 12" sweep face	Brown Poly	10"	55"	6	70325
Track & Switch Steel chisel point on handle end	Palmyra	8"	55"	6	70324



VORTEC PRO LOBBY BROOMS - Reliable and efficient brooms at a value price.

Description	Fill Material	Trim Length	Overall Length	Standard Pack	Item Number
Plastic Cap - 8" sweep face	Flagged Plastic	5"	36"	12	44546 •
Toy/Lobby - 3 sews, 7/8" handle	Corn & Fiber	11"	40"	12	70300





WHISK BROOMS - For fast, efficient clean-up.

Use	No. of Sews	Fill Material	Trim Length	Overall Length	Std. Pack	Item No.
General purpose - all applications	3	Corn & Fiber	10"	12-1/2"	12	44266
Sweeping coarse & heavy material	2	Palmetto	7"	9-1/4"	12	44099
Coarse sweeping of hot chips	-	Bassine	5-1/4"	10-1/4"	12	44103

DUSTERS AND DUST PANS

Whether cleaning fine particles or heavy debris, Weiler has a Counter Duster to do the job. These brushes are available in a wide selection of fill materials and have comfortably shaped blocks in wood or foam. Also choose from an array of Dust Pans to meet the application requirements.



Cleaning up oil absorbent from a shop floor.

COUNTER DUSTERS - For clean up in hard-to-reach areas.

Fill Material	Trim Length	Brush Length	Overall Length	Block Type	Std. Pack	Item No.				
Horsehair										
Horsehair	2-1/4"	8"	13-1/4"	Wood	12	44003				
	2-1/4"	9"	14-1/4"			44351				
Black Horsehair and Fiber Mix	2-1/2"	8"	13-1/2"	Wood	12	71019				
		Syn	thetic							
Flagged Silver Polystyrene	2-1/2"	8"	13-1/4"	Wood	12	44354				
Black Polystyrene	2-1/2"	8"	13-1/4"	Wood	12	25252				
Orange Polystyrene	2"	9"	14"	Foam	12	42213				
Natural Fiber										
Black Tampico	2-1/2"	8"	13-1/4"	Wood	12	25251				
Tri-colored Tampico	2-1/2"	8"	13-1/2"	Wood	12	44004				







DUST PANS - Durable, industrial grade - For quick clean-ups.

	0				
Description	Height	Width	Depth	Std. Pack	Item No.
Heavy-duty 20 gauge steel Black enamel finish	_	12"	13-1/2"	12	71078
Extra wide - Heavy-duty 20 gauge steel; Black enamel finish	_	16"	15"	12	71079
Lobby Dust Pan - Black enamel	39-1/2"	12"	9"	6	71081 •

Non-stock product, contact Customer Service for lead-times.



VORTEC PRO® DUST PANS - Reliable and efficient pans at a value price.

Description	Height	Width	Depth	Std. Pack	Item No.
Molded plastic	_	12-1/4"	12"	12	71077
Lobby Dust Pan Molded plastic hopper Aluminum handle	39-1/2"	12"	11"	6	71080













Cleaning a window with a window squeegee.

SQUEEGEES & WINDOW BRUSHES

Squeegees deliver fast, efficient cleaning. Weiler provides a variety of non-scratching floor and window squeegees and window brushes. Designed for high durability.



FLOOR SQUEEGEES - Heavy-duty construction, iron handle socket.

Description	Length	Туре	Standard Pack	Item Number
Black rubber blade for rough, heavy use	18"	Straight	6	45506
	24"			45507
	30"			45534
	36"			75202
Black rubber blade for rough, heavy use	24"	Curved	6	45510
	30"			45535
	36"			45511





WINDOW SQUEEGEES - Rust-proof handle socket and frame.

Description	Length	Standard Pack	Item Number
One piece frame with hard rubber section	6"	12	45537
joined with a soft, red rubber blade.	12"		45500
	14"		45538 •

Non-stock product, contact Customer Service for lead-times.



NOTE



- · All squeegees require a tapered tip handle.
- Handle No. 44020 (1-1/8" x 60") recommended for use with all Squeegees. • Use Spring-Loc Adapter to keep tapered wood handle securely fastened to the block.
- Handle not included in price order handle separately. See pages 150-151 for adapter and handle.





ROUND STYLE WINDOW BRUSH - Two threaded handle holes

High quality, non-scratching brushes used for industrial window washing.

Description	Block Size	Block	Trim Length	Standard Pack	Item Number
Flagged Gold Polystyrene	4-1/2"	Plastic	2-1/2"	12	25271





- Handle No. 44019 (1-1/8" x 60") recommended for use with #25271 & #73003 Window Brushes.
- Handle not included in price order handle separately. See page 150 for handle.

Key:





VEHICLE CARE PRODUCTS

Weiler's line of vehicle care brushes meets the cleaning needs of car and truck fleets. Brushes are also popular in the marine industry. All products are designed to provide professional results.



Washing a car with a vehicle wash brush and fountain tube handle.

VEHICLE WASH BRUSHES - Protective bumper - Foam block with two handle holes. Can be used with flow-through handle #44319 on page 147.

Block Size	Fill Material	Trim Length	Standard Pack	Item Number	★ Combo Oty. Item Number
9-1/2" x 2-3/4"	Grey Fiber	2-1/2"	12	44318*	_
9-1/2" x 2-3/4"	Flagged White Polystyrene	2-1/2"	12	44510	44875 •
9-1/2" x 2-3/4"	Flagged Orange Polystyrene	2-1/2"	12	42210	
9-1/2" x 2-3/4"	Flagged Green Polystyrene	2-1/2"	12	73146	_



[★] Combo Packs include 12 brushes per pack and 12 #44319 handles (not assembled).

Non-stock product, contact Customer Service for lead-times.



SCHOOL BUS BRUSH - Easily sweeps between school bus seats. Lacquered hardwood block with one threaded handle hole. Use handle #44571 on page 146.

Block	Fill	Trim	Standard	ltem
Size	Material	Length	Pack	Number
10" x 2-1/2"	Flagged Silver-grey Polystyrene	3"	12	70312



P UPHOLSTERY/SPOTTING BRUSH - Shaped plastic handle Wet & dry cleaning, prespotting, carpet touch-up, etc.

vvot & ary disaming, prospecting, surper todain up, sto.								
Block Size	Fill Material	Trim Length	Overall Length	No. of Rows	Std. Pack	Item Number		
8-1/2" x 2-9/16"	.016 Crimped Polypropylene	5/8"	8-1/2"	8 x 9	12	44307		



SPOKE BRUSH - Ideal for cleaning spokes or confined spaces.

Length of	Fill	Brush	Overall	Standard	ltem
Brush Part	Material	Part	Length	Pack	Number
10"	White Tampico	2-7/8" tapered to 1-1/4"	15"	12	44315



TIRE CLEANING BRUSHES - Foam block - Used for cleaning sidewalls of tires.

Block Size	Fill Material	Trim Length	Overall Length	No. of Rows	Std. Pack	Item No.
8-1/2" x 2-9/16"	.008 Brass	5/8"	8-1/2"	8 x 9	12	99593
7" x 1-9/16"	.008 Brass	5/8"	7"	6 x 8	12	73156





Scrubbing a stainless steel sink.

SCRUB BRUSHES

A broad range of high quality scrub and utility brushes are available from Weiler. From quick cleaning to heavy-duty scrubbing, Weiler's brushes are designed to provide the most effective brushing and cleaning action.













P

HAND SCRUB BRUSHES - Heavily filled for heavy-duty scrubbing.

Block Size	Fill Material	Trim Length	Block Type	Standard Pack	Item Number
6"	White Polypropylene	1-1/8"	Iron Style - Plastic	12	44395
7-1/4"	Palmyra	1"	Square - Wood	24	72034 •
8"	White Tampico	1-1/8"	Square - Wood	12	44024
	White Tampico	1"			72058*
	Palmyra	1-1/8"			44025
8-1/4"	White Tampico	1-1/8"	Square - Wood	12	73111+
9"	White Tampico	1-1/8"	Pointed - Wood	12	44023

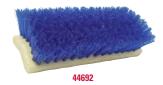
^{*} Threaded handle hole + Tapered handle hole



DECK SCRUB BRUSHES - Excellent for scrubbing decks or floors. One threaded and one tapered handle hole. Can be used with threaded handle #44018 or tapered handle #44020 on page 150.

Block Size	Fill Material	Trim Length	No. of Rows	Block Type	Standard Pack	Item Number
9"	Palmyra	2"	5 x 14	Wood	12	44428
	Tampico					44429
10"	Palmyra	2"	6 x 18	Wood	12	44026
	Tampico					44028
	Polypropylene					44434
12"	Palmyra	2"	6 x 20	Wood	12	44027
	Tampico					44029 •
	Polypropylene					44438

Non-stock product, contact Customer Service for lead-times.





BI-LEVEL SCRUB BRUSHES - The bi-level design allows the brush to stay in contact with the surface. Can be used with flow-through handle #44319 on page 147 or the Perma-Flex handle #44301 on page 150.

Block Size	Fill Material	Trim Length	Block Type	Standard Pack	Item Number
10"	Stiff Crimped Blue Polypropylene	1-3/4"	Foam	6	44692
10"	Flagged White Polystyrene	2-3/4"	Foam	6	44699
10"	Fine Green Nylex	2-3/4"	Foam	12	44693





VORTEC PRO® BOOT BRUSH - Reliable and efficient brush at a value price.

Size	Description				
9" x 6"	Boot Cleaning Brush - Metal Frame - Wood Block - Black Nylon Fill	44391			

Non-stock product, contact Customer Service for lead-times.

Overall Length	Fill Material	Trim Length	Block Type	Standard Pack	ltem Number
8"	Palmyra	2"	Wood	12	72086
	Yellow Polypropylene				44013
	White Tampico				44014
20"	Palmyra	2"	Wood	12	72101
	Yellow Polypropylene				44016
	White Tampico				44017



Removing stubborn dirt, grime and mildew from a tiled surface with a grout detail brush.

P UTILITY SCRUB BRUSHES - Chemical and water resistant, will not warp or crack.

Overall Length	Fill Material	Trim Length	Block Type	Standard Pack	ltem Number
8"	Palmyra	2"	Foam	12	79101
	Yellow Polypropylene				79120
	White Tampico				79100
20"	Palmyra	2"	Foam	12	79107
	Yellow Polypropylene				79109
	White Tampico				44663





UTILITY SCRUB BRUSHES - Designed for high temperature cleaning, ideal for food service.

Overall Length	Fill Material	Trim Length	Block Type	Standard Pack	Item Number
8"	White Nylon	2"	Plastic	12	44416
20"	White Nylon	2"	Plastic	12	44418





VORTEC PRO® UTILITY SCRUB BRUSHES - Ideal for general purpose cleaning.

TOTAL OF THE TOTAL BILLOTTE INCOME OF THE POST COUNTRY.							
	Overall Length	Fill Material	Trim Length	Block Type	Standard Pack	Item Number	
	8"	Tampico	2"	Foam	12	25262	
	20"	Tampico	2"	Foam	12	25263	



44418

GROUT DETAIL BRUSH - Use for removing stubborn dirt, grime and mildew from tiled surfaces.

Block Size	Fill Material	Trim Length	Standard Pack	Item Number
8-1/2"	Stiff Black Nylon	7/8"	24	73233



P	BOWL BRUSH	- 2"	" Trim Length - For thorough, efficient cleaning.
---	------------	-------------	---

Brush Part	Fill Material	Handle	Overall Length	Standard Pack	ltem Number
5-3/4" x 4-3/4"	Black Nylon	Plastic	21"	12	75068



Key:











PROFESSIONAL BOWL BRUSHES - Hardwood handle and natural fiber - For thorough cleaning.

	Brush Part	Fill Material	Diameter	Overall Length	Standard Pack	ltem Number
	6" x 5"	White Tampico	2"	20"	12	44001*
·	6-1/2"	Tampico	3-1/4"	23"	12	75060

^{*} Fnam handle





VORTEC PRO® BOWL BRUSH SET - 2" Trim Length - Reliable and efficient brushes at a value price.

Brush	Fill	Handle	Overall	Standard	ltem
Part	Material		Length	Pack	Number
3-1/2" x 3-3/4"	Polypropylene	Plastic	14-1/2"	6	75000





VORTEC PRO NAIL BRUSH - Great for use in shop or industrial settings.

Block Size	Fill Material	Trim Length	No. of Rows	Block Type	Standard Pack	Item Number
4-3/4" x 1-1/2"	Polypropylene	3/4"	4 x 15	Wood	36	44314





BOTTLE WASHING BRUSH - Brush shape enables access to hard-to-reach areas when cleaning.

Length of	Fill	Handle	Overall	Standard	ltem
Brush Part	Material		Length	Pack	Number
6"	Black Horsehair	Wood	16"	12	99594





VORTEC PRO BOTTLE WASHING BRUSH - Reliable and efficient brush at a value price.

Length of	Fill	Handle	Overall	Standard	ltem
Brush Part	Material		Length	Pack	Number
5-1/2" x 2-3/8"	White Nylon	Twisted-in-wire	17"	24	75085



NYLON TUBE BRUSHES - Loop handle, Straight black nylon fill.

Diameter	Fill Diameter	Brush Part	Stem Diameter	Overall Length	Standard Pack	Item Number
1/4"	.005	2"	3/32"	6-1/4"	36	44110
3/8"	.005	2"	3/32"	6-1/4"	36	44213
1/2"	.010	3"	1/8"	8-1/2"	36	44111
3/4"	.012	3"	1/8"	8-1/2"	36	44112
1"	.014	4"	5/32"	12-1/4"	36	44113
1-1/4"	.014	4"	5/32"	13"	36	44114
2"	.014	5"	3/16"	16-3/4"	36	44115





PERCOLATOR BRUSH - Straight white nylon fill

Ideal for internal cleaning in industrial, laboratory and food service.

Diameter	Fill Diameter	Brush Part	Stem Diameter	Overall Length	Standard Pack	Item Number
7/16"	.010	3-1/2"	5/32"	11-1/2"	10	44316





VAT BRUSH - For valves, outlets, small tanks, beverage dispensers & coffee urns. Can be used with the Perma-Flex handle #44301 on page 150.

Fill	Block	Overall	Standard	Item
Material	Туре	Length	Pack	Number
White Nylon	White Nylon	8"	1	75570



WET MOPS & ACCESSORIES

Our wet mops are made with industrial grade cotton and can be laundered. They will not scratch floors or unravel.

WET MOP HEADS - Durable, ideal for all-purpose cleaning. Can be laundered.

Weight	Material	Standard Pack	Item Number
	Cut End		
16 oz.	8-ply tight twist cotton	12	75102
20 oz.			75103
24 oz.			75104
32 oz.			75105
Small	4-ply high bulk cotton	12	75170 •
Medium	economy		75171
Large			75172
X-Large			75173 •
	Loop End		
Small	4-ply tight twist cotton	12	75180 •
Medium			75181
Large			75182 •

Non-stock product, contact Customer Service for lead-times.



Use the Combo Bucket with 12 to 32 oz. mop heads



75171

WET MOP HANDLES - Industrial Grade. Hardwood handle with plated metal heads.

Description	Size	Standard Pack	Item Number
Quick-Change Plastic Head	54" x 15/16"	12	75140
Screw Type	54" x 1-1/8"	12	75131
Spring Type	54" x 1-1/8"	12	75132
Jaw Type	54" x 1-1/8"	12	75130



ONE-PIECE COTTON DECK MOPS - Industrial grade. Mop head securely tied to handle.

Description	Weight	Standard Pack	Item Number
#10	10 oz.	12	75096 •
#12	12 oz.	12	75097 •
#16	16 oz.	12	75109
#20	20 oz.	12	75098
#24	24 oz.	12	75110

Non-stock product, contact Customer Service for lead-times.



VORTEC PRO® COMBO BUCKET - One-piece construction that will not rust, fade, crack, peel, chip, dent or warp. Wringer fits all sizes of plastic or metal buckets.

Bucket Size	Wringer	Standard Pack	Item Number
36 at.	12-32.07.	1	36666



Key:







Cleaning a corner with a dust mop.

DUST MOPS & DUSTING BRUSHES

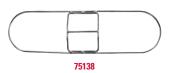
Our dust mops are made with industrial grade cotton and can be laundered. They will not scratch floors or unravel.

P

PROFESSIONAL DUST MOPS - Tie-on style, 4-ply cotton. Can be laundered.

Mop Size	Frame Size	Standard Pack	Item Number
24"	5" x 24"	12	75117
36"	5" x 36"	12	75118





P

PROFESSIONAL DUST MOP FRAMES - Heavy-duty full swivel frame.

Mop Size	Frame Size	Standard Pack	Item Number
24"	5" x 24"	12	75137
36"	5" x 36"	12	75138





PROFESSIONAL DUST MOP HANDLE - Heavy-duty clamp-on style.

Length	Diameter	Standard Pack	Item Number
60"	15/16"	12	75133



73055



RADIATOR BRUSHES - 24" Overall Length. Ideal for cleaning radiators and narrow, hard-to-reach places.

Fill Material	Туре	Brush Part	Trim Length	Overall Length	Std. Pack	Item No.
Black Horsehair	Foam Handle	9-1/2"	2-1/2"	23-13/16"	12	73050
Black Horsehair	Twisted-in-wire handle	7-1/2"	2-1/2"	24-11/16"	12	73055





WALL DUSTING BRUSH - For dusting ceilings, valances, high moldings and other hard-to-reach places. Twisted-in-wire construction with plastic handle.

Fill	Overall	Trim	Standard	Item
Material	Length	Length	Pack	Number
Horsehair	12" x 5"	2-3/4"	2	71076

MASONRY & APPLICATOR BRUSHES

Weiler's full line of Masonry & Applicator Brushes covers everything from the ground up - cement finishing and stippling brushes for texturing and applying cement and asphalt; whitewashing and masonry brushes for applying cement, water paints and liquid waterproofing materials on concrete block and masonry walls; smoothing brushes for applying wallpaper; and roof brushes for spreading roofing tar and coatings.



Applying waterproofing material with a masonry brush.



Block	Fill	Trim	No. of	Standard	Item	★ Combo Qty.
Size	Material	Length	Knots	Pack	Number	Item Number
6-1/4"	Tampico	3-1/4"	3	12	44010	44883 •

- ★ Combo Packs include 12 brushes per pack and 12 #44574 handles (not assembled).
- Non-stock product, contact Customer Service for lead-times.



44010

BLOCK-TYPE ROOF BRUSHES - For application of roof coatings.

Can be used with tapered handle #44574 or threaded handle #75527 on page 150.

our bo dood	With taporou handlo # 1107 1 or throadou ha	311010 # 7 0027	on page rec			
Block Size	Fill Material	Trim Length	No. of Knots	Standard Pack	Item Number	★ Combo Qty. Item Number
7"	White Tampico One tapered handle hole	2"	5	12	44011	44884 •
7"	White Tampico One threaded handle hole	2"	5	12	73195	_

- ★ Combo Packs include 12 brushes per pack and 12 #44574 handles (not assembled).
- Non-stock product, contact Customer Service for lead-times.



44031



Useful tools for applying cement, waterpaints and liquid waterproofing materials on masonry walls. Handle attached.

Block Size	Fill Material	Trim Length	Overall Length	No. of Rows	Standard Pack	Item Number
7"	White Tampico	3-1/4"	11"	2	12	44032
6"	Solvent Resistant Polypropylene	3-1/4"	11-1/2"	3	12	74020
4"	White Tampico	3"	10-3/4"	4	12	74004
6-1/2"	White Tampico	3-1/2"		4		44031
6"	White Tampico	3"	10-1/2"	5	12	74002
6-1/2"	White Tampico	4"	11-3/4"	5		44448



our be used with tapered handle #70020 or page 100.								
Block	Fill	Trim	No. of	Standard	Item			
Size	Material	Length	Rows	Pack	Number			
6"	White Tampico	2-5/8"	2	12	74048			
7"	White Tampico	2-5/8"	2	12	44034			
					74053*			

* Includes a 12" tapered wood handle.











ACID BRUSH - Detachable handle - For the application of Kalsomine, cold water, acid and water repellents to concrete and other rough surfaces.



Block	Fill	Trim	No. of	Standard	Item
Size	Material	Length	Rows	Pack	Number
7"	White Tampico	3-1/2"	3	12	74015



ACID SCRUB BRUSH - Hardwood block - Tapered handle hole

Recommended for applying sealcoating, cement slurry, water-proofing, etc.

Block Size	Fill Material	Trim Length	Standard Pack	Item Number
8-1/4" x 2-3/4"	White Tampico	1-1/8"	12	73111

NOTE: Handle not included - can be used with tapered handle #44574 on page 152.



CEMENT FINISHING BRUSHES - Hardwood block - Ideal for creating texture to newly poured cement and for applying coatings on asphalt or concrete. Use handle #44303 on page 150.



Block Length	Fill Material	Trim Length	No. of Knots	Standard Pack	Item Number	★ Combo Qty. Item Number
24"	Black Polypropylene	2-1/4"	3	6	79251	_
24"	Black Polypropylene	3-1/4"	3	6	79252	44879 •
36"	Black Polypropylene	3-1/4"	3	6	79253	44880 •
24"	Horsehair	2-1/2"	3	6	79255 •	44881 •
36"	Horsobair	2-1/2"	3	6	79256	1/1882

★ Combo Packs include 12 brushes per pack and 12 #44303 handles (not assembled).

Non-stock product, contact Customer Service for lead-times



P

SMOOTHING BRUSH - Hardwood block - For smoothing wallpaper.

Block Length	Fill Material	Trim Length	Standard Pack	Item Number
12"	White Tampico	2"	12	74078

Creating texture on newly poured concrete with a cement finishing brush.



Kev





CURVED HANDLE SCRATCH BRUSHES - Hardwood block - Ideal for cleaning and prepping surfaces.

Block Size	Brush Length	Number of Rows	Trim Length	Standard Pack	Item Number
		.012 Ste	el Wire		
13-3/4" x 1-1/8"	5-1/4"	3 x 14	1-1/4"	12	44594*
14" x 7/8"	5-1/2"	3 x 19	1-3/16"	12	44053
14" x 1-1/8"	6"	4 x 18	1-3/16"	12	44056
		.012 Steel Wir	e with Scraper		
14" x 7/8"	5-1/2"	3 x 19	1-3/16"	12	44055
14" x 1-1/8"	6"	4 x 18	1-3/16"	12	44058
		.012 Stainles	s Steel Wire		
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
· · ·		•	•	•	



VORTEC PRO® CURVED HANDLE SCRATCH BRUSHES -

Reliable and efficient brushes at a value price.

Block Size	Brush Length	Number of Rows	Trim Length	Standard Pack	ltem Number				
.012 Steel Wire									
13-1/2" x 1"	6"	3 x 19	1"	12	25150				
14" x 1-1/8"	6"	4 x 18	1"	12	25201				
		.012 Stainless	Steel Wire						
13-1/2" x 1"	6"	3 x 19	1"	12	25154				
14" x 1-1/8"	6"	4 x 18	1"	12	25202				



Block Size	Brush Length	Number of Rows	Trim Length	Standard Pack	ltem Number					
.012 Steel Wire										
10" x 3/8"	5"	1 x 17	1-1/16"	12	44100					
10" x 5/8"	5"	2 x 17	1-3/16"	12	44061					
10" x 1-1/8"	5"	4 x 16	1-3/16"	12	44063					
11"	5"	4 x 16	1-3/16"	12	73217 •					
.012 Steel Wire with Scraper										
10" x 1-1/8"	5"	4 x 16	1-3/16"	12	44065					
		.012 Stainles	s Steel Wire							
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 •					
		.012 Bra	ss Wire							
11"	5"	4 x 16	1-1/4"	12	73218 •					

Plastic block

VORTEC PRO SHOE HANDLE SCRATCH BRUSHES - Reliable and efficient brushes at a value price.

Bloc Size		Brush Length	Number of Rows	Trim Length	Standard Pack	Item Number		
	.012 Steel Wire							
10" x	1"	5"	4 x 16	1"	12	25100		
	.012 Stainless Steel Wire							
10" x	1"	5"	4 x 16	1"	12	25104		



Removing excess concrete from the surface of a steel support plate.













NON-WOVEN ABRASIVES



HEAVY-DUTY SCRATCH BRUSH WITH SCRAPER - .012 Steel Wire

Ideal for cleaning and prepping surfaces.

Block Size	Brush Length	Number of Rows	Trim Length	Standard Pack	Item Number
11-1/2" x 1-1/2"	5-1/2"	4 x 11	1-1/2"	12	44069

VORTEC PRO® HEAVY-DUTY SCRATCH BRUSH WITH SCRAPER - .012 Steel Wire Reliable and efficient brushes at a value price.

Block	Brush	Number	Trim	Standard	Item
Size	Length	of Rows	Length	Pack	Number
11-1/2" x 1-1/2"	5"	4 x 11	1-5/8"	12	

PLATER'S BRUSHES - Hardwood block - For general cleaning in the plating, metal finishing, aircraft and missile industries. Also used with inert arc aluminum welding.

Block Size	Brush Length	Number of Rows	Trim Length	Standard Pack	Item Number
		Tam	pico		
13" x 1-1/4"	5-1/4"	4 x 18	1"	12	44076
		Ny	lon		
13" x 1-1/8"	5-1/4"	4 x 18	1"	12	44077
		.006 Ste	el Wire		
10" x 1-1/8"	5"	4 x 16	1"	12	44117
13" x 7/8"	5-1/2"	3 x 19	1"	12	44116
		.006 Stainles	s Steel Wire		
10" x 1-1/8"	5"	4 x 18	1"	12	44240
13" x 7/8"	5-1/2"	3 x 19	1"	12	44660
13" x 1-1/8"	5-1/2"	4 x 19	1"	12	44232
		.006 Bra	ss Wire		
10" x 1-1/8"	5"	4 x 18	1"	12	44119
13" x 7/8"	5-1/2"	3 x 19	1"	12	44118

Non-stock product, contact Customer Service for lead-times.



44551

44189

95151

SMALL HAND SCRATCH BRUSHES - Ideal for cleaning and prepping surfaces.

Block Size	Block	Number of Rows	Wire Size	Trim Length	Standard Pack	ltem 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			
			Straight Brass Wire						
7-1/2" x 1/2"	Wood	3 x 7	.006	1/2"	36	44189 ■			
			Crimped Brass Wire	ı					
6" x 1/2"	Wood	3 x 10	.005	5/8"	72	44619			
8-3/4" x 1/2"	Wood	2 x 9	.008	5/8"	36	95014			
			Crimped Aluminum						
6-3/4" x 1-5/8"	Wood	6 x 9	.008	5/8"	12	95151			
8-3/4" x 1/2"	Wood	2 x 9	.008	5/8"	36	44251			
			Straight Black Nylor	l					
6-1/2" x 1/2"	Plastic	4 x 15	.010	1/2"	24	99383			
7-1/2" x 1/2"	Wood	3 x 7	.012	1/2"	36	44637 ■			
			White Nylon						
7-1/2" x 1/2"	Plastic	3 x 7	.016	1/2"	36	44609			
		Double	-Sided Brass/White	Nylon					
7-1/2" x 1/2"	Plastic	3 x 7	.006/.016	1/2"	24	44731			
		Double-	Sided Brass/Stainle	ss Steel					
7-1/2" x 1/2"	Plastic	3 x 7	.006/.006	1/2"	24	44732			
		Double-Side	ed Stainless Steel/\	White Nylon					
7-1/2" x 1/2"	Plastic	3 x 7	.006/.016	1/2"	24	44733			

⁺Countertop display available. See page 135 for details.

Packaged product available. See pages 136-139 for details.

^{*}Wire drawn







VORTEC PRO® SMALL HAND SCRATCH BRUSHES - Reliable and efficient brushes at a value price.

Block Size	Handle	Number of Rows	Trim Length	Standard Pack	Item Number				
	.006 Stainless Steel Wire								
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				
	.006 Straight Brass Wire								
7-1/2" x 1/2"	Wood	3 x 7	1/2"	36	44810				



BLOCK TYPE SCRATCH BRUSHES - For rugged cleaning on bricks, stone and similar large flat areas.

Block Size	Fill Material	Brush Part	Number of Rows	Trim Length	Standard Pack	ltem Number
7-1/4" x 2-5/8"	.012 Round Wire - Curved Face	7"	9 x 21	1-3/16"	12	44066
7-1/4" x 2-1/4"	.014 Round Wire - Flat Face	7"	6 x 19	1-5/8"	12	44067



VORTEC PRO BLOCK TYPE SCRATCH BRUSH - Reliable and efficient brushes at a value price.

Block	Fill	Brush	Number	Trim	Standard	Item
Size	Material	Part	of Rows	Length	Pack	Number
7-1/4" x 2-1/4"	.012 Steel	7"	6 x 19	1-5/8"	12	

BUTCHER BLOCK BRUSH - For cleaning concrete forms and green concrete after forms have been removed.

Block	Fill	Brush	Number	Trim	Standard	Item
Size	Material	Part	of Rows	Length	Pack	Number
7-1/2" x 2-3/4"	.017 x .110 - Flat Wire	7"	5 x 10	1-1/4"	12	



CHIPPING HAMMER REFILL - A refill brush for most chipping hammers. Used for weld cleaning.

Block	Fill	Brush	Number	Trim	Standard	Item
Size	Material	Part	of Rows	Length	Pack	Number
4-5/8" x 7/8"	.012 Steel	4-1/2"	3 x 15	1-1/8"	12	



WIRE DUSTER - For cleaning chips, borings, solder, rust, dirt & corrosion from castings.

Block Size	Fill Material	Handle	Number of Rows	Trim	Standard Pack	Item Number
Size	iviateriai	Length	UI NUWS	Length	Fack	Number
3" x 1-1/8"	012 Steel	5-3/4"	4 x 8	2-1/2"	12	44451



FILE CARD BRUSH - Waxed hardwood block. Use for file cleaning or to roughen and prepare surface material prior to sweating and soldering.

Overall	Fill	Brush	Trim	Standard	Item
Length	Material	Part	Length	Pack	Number
8-1/4"	.012 Steel	1-5/8" x 4"	1/4"	12	44260



METAL CHIP BRUSH - Small stiff wire brush for brushing hot metal. Can be exposed to flames without burning.

Overall	Fill	Trim	Face	Standard	Item
Length	Material	Length	Width	Pack	Number
5-1/2"	.012 Steel	1-1/2"	1-1/4"	12	44074





Cleaning boiler pipes with a flue brush.

FLUE BRUSHES

Flue Brushes are designed and engineered from black oil-tempered wire. Flue brushes are available in single spiral and double spiral construction. Other fill materials and sizes available by special order. Contact Customer Service for details.

APPLICATIONS

Provides increased conformability and long life when:

- Pipe cleaning
- Flue cleaning
- Boiler tube cleaning



FLUE BRUSHES - Filled with .012 round wire and fitted with 1/4" x 2" NPT pipe nipple. For internal cleaning of pipes and flues.







44154

Brush Diameter	Brush Length	Overall Length	Standard Pack	ltem Number
	•	Single Spiral	'	
7/8"	4-1/2"	7-1/2"	1	44124
1"	4-1/2"	7-1/2"	1	44125
1-1/4"	4-1/2"	7-1/2"	1	44047
1-1/2"	4-1/2"	7-1/2"	1	44128
1-3/4"	4-1/2"	7-1/2"	1	44048
2"	4-1/2"	7-1/2"	1	44131
2-1/2"	4-1/2"	7-1/2"	1	44133
3"	4-1/2"	7-1/2"	1	44135
3-1/2"	4-1/2"	7-1/2"	1	44137
4"	4-1/2"	7-1/2"	1	44139
		Double Spiral		
1"	4-1/2"	7-1/2"	1	44149
1-1/4"	4-1/2"	7-1/2"	1	44035
1-1/2"	4-1/2"	7-1/2"	1	44150
1-3/4"	4-1/2"	7-1/2"	1	44036
2"	4-1/2"	7-1/2"	1	44152
2-1/4"	4-1/2"	7-1/2"	1	44037
2-1/2"	4-1/2"	7-1/2"	1	44154
2-3/4"	4-1/2"	7-1/2"	1	44038
3"	4-1/2"	7-1/2"	1	44156
4"	4-1/2"	7-1/2"	1	44169
4-7/8"	4-1/2"	7-1/2"	1	44159

Non-stock product, contact Customer Service for lead-times.



95925



FLUE BRUSH EXTENSION ROD - One 1/4" male pipe nipple and one 1/4" female pipe coupling allows user to extend flue brush.

Description	Standard Pack	Item Number
36" Fiberglass Extension Rod	1	95925

NOTE

"Pipeline" Flue Brushes By Special Order Only.

- Heavy-duty. Exact size diameter. Rugged double stem, single spiral.
- Fitted with 1/4" pipe nipple. Available in diameters of 1-5/8" 15".

Key:





TUBE FITTING BRUSHES

Several configurations and sizes of Tube Fitting Brushes are available for cleaning and deburring copper, internal and external tube fittings. The handy 4-in-1 tube fitting brush cleans both outside and inside diameters of multiple tube sizes.



Pipe Size	Actual Brush Diameter	Brush Length	Overall Length	Handle Length	Standard Pack	Item Number
1/8"	1/4"	1"	6-1/2"	3-1/4"	12	44078
1/4"	3/8"	1"	6-1/2"	3-1/4"	12	44079
3/8"	1/2"	1"	6-1/2"	3-1/4"	12	44080 ■
1/2"	5/8"	1"	6-1/2"	3-1/4"	12	44081
5/8"	3/4"	1"	6-1/2"	3-1/4"	12	44082
3/4"	7/8"	1"	6-1/2"	3-1/4"	12	44083
7/8"	1"	1"	6-1/2"	3-1/4"	12	44084
1"	1-1/8"	1"	6-1/2"	3-1/4"	12	44085
1-1/4"	1-3/8"	1"	6-1/2"	3-1/4"	12	44086
1-1/2"	1-5/8"	1-1/2"	6-1/2"	3-1/4"	6	44087

[■] Packaged product available. See pages 136-139 for details.



Cleaning the inside of a copper fitting prior to soldering.





EXTERNAL TUBE FITTING BRUSHES - 1/4" Stem

Ideal for cleaning tube ends. Mount to a hand drill for fast results.

Outside Diameter	Standard Pack	Item Number
3/8"	40	44734 •
1/2"	40	44735 •
5/8"	40	44736 •
3/4"	40	44737 •
7/8"	40	44738 •
1"	40	44739 •

Non-stock product, contact Customer Service for lead-times.





4-IN-1 TUBE FITTING BRUSH - ONE BRUSH REPLACES FOUR! - Steel Wire

Cleans the outside and inside diameters of 1/2" and 3/4" tubes and fittings. Use for soldering prep, deburring, drill hole cleaning and cleaning battery terminals.

Tube Inside Diameter	Tube Outside Diameter	Standard Pack	Item Number
3/4" and 1/2"	7/8" and 5/8"	1	44690



TURBO TUBE™ BRUSHING TOOL - The Turbo Tube Brushing Tool is two brushes in one, so fittings and copper tubing can be easily cleaned without changing tools!

APPLICATIONS

- · Fitting brush cleans outside diameter
- Tube brush cleans inside diameter
- Ideal for plumbing and HVAC projects



VORTEC PRO® TURBO TUBE BRUSHES - Clean I.D. and O.D. with the same tool. Rust-proof stainless steel bristles. Reliable and efficient brushes at a value price.

I.D. Size	O.D. Size	Wire Type	Max. RPM	Standard Pack	Item Numbe
1/2"	5/8"	Stainless	1,000	1	36303
3/4"	7/8"				36304
1"	1-1/8"				36305



36303

SELECTING THE RIGHT BRUSH

P PERFORMANCE LINE (INDUSTRIAL GRADE)

Engineered and manufactured to maximize performance and minimize operating costs. The use of superior construction, the highest quality materials and the most stringent manufacturing processes deliver the lowest cost-of-use and most consistent performance.

V VALUE LINE (PROFESSIONAL GRADE)

Weiler's value line is manufactured using similar product construction and the same exacting standards as other Weiler paint & varnish products, but engineered to provide cost-effective use specifically designed for the professional, providing a cost-effective price. Vortec Pro® paint & varnish products are an economical choice for the construction trades, low volume production shops and light-duty industrial MRO use.

SELECTION GUIDE

Brush Fill	Recommended For	Benefits
China Bristle	All oil based and alkyd paints, stains,	Softest tip for fewest brush marks
	varnish urethane & shellac	Natural fibers hold paint better than synthetics
Polyester/Nylon blend	All paints and coatings	Most durable material
		Precise tipping
		Cleans up easily
Polyester	All paints and coatings	Low cost
		Does not absorb water

PAINT BRUSH FEATURES



The longer the trim, the more paint

is picked up and released for a

quicker, easier job.

PAINT BRUSH CARE

quality level of the brush. The thicker the

brush, the more paint pick-up and release.

Brushes Used In	Clean With
Oil base paint	Turpentine or mineral spirits
 Latex paint 	Warm soapy water
 Water base paint 	Warm soapy water
 Varnish 	 Turpentine or mineral spirits
Shellac	Alcohol

Note: After cleaning, shake out, comb bristles and hang by handle.

SPECIAL PAINT BRUSHES

The brushes listed in this catalog will cover the major requirements of industry. However, if an application requires another type, size or style of brush, contact your nearest Weiler distributor or Weiler's Customer Experience Team.

PROFESSIONAL PAINT, VARNISH & SASH BRUSHES

These high quality brushes are available in a wide variety of sizes and materials to fill all applications. The Professional Wall Brushes have a sanded wooden handle, the preferred standard among professional users. The Professional Varnish and Sash Brushes are color coded - Blue for Bristle and Red for Polyester/Nylon Blend, and feature painted foam handles in the "beaver tail" style. These handles are attractive and easier to grip, reducing user fatigue.



Applying paint to clap board siding.

WALL PAINT BRUSHES - For interior/exterior painting of large flat surfaces.

Width	Thickness	Bristle Length	Overall Length	Standard Pack	Item Number			
Black China Bristle - Sanded Wood Handle								
3"	7/8"	3-1/4"	10-3/16"	6	40022			
4"	7/8"	3-3/4"	11-1/2"	6	40023			
		Polystyrene/Nylon - S	Sanded Wood Handle					
3"	7/8"	3"	10-1/8"	6	40061			
4"	7/8"	3"	11-1/4"	6	40062			





VARNISH BRUSHES - Comfortable foam grip handle; smooth paint flow.

Width	Thickness	Bristle Length	Overall Length	Standard Pack	Item Number
		Black China Bristle	- Blue Foam Handle		
1"	7/16"	2"	8-1/2"	12	40000
1-1/2"	1/2"	2-1/4"	8-7/8"	12	40001
2"	9/16"	3"	9-3/4"	12	40002
3"	11/16"	3"	10-1/8"	12	40004
4"	11/16"	3"	10-9/16"	12	40010
		Polystyrene/Nylon	- Red Foam Handle		
1"	7/16"	2-1/4"	8-13/16"	12	40058
2"	3/4"	2-3/4"	9-15/16"	12	40059
3"	7/8"	3"	10-1/8"	12	40060
4"	7/8"	3"	11"	6	40106





ANGLED SASH BRUSHES - For trim or cut work like window sills, door frames, etc.

Width	Thickness	Bristle Length	Overall Length	Standard Pack	Item Number					
	Black China Bristle - Blue Foam Handle									
1-1/2"	7/16"	2-1/4"	10-7/8"	12	40041					
2"	1/2"	2-1/4"	10-3/4"	12	40008					
		Polystyrene/Nylon	- Red Foam Handle							
1-1/2"	7/16"	2-1/2"	11-1/4"	12	40011					
2"	1/2"	2-1/2"	11-1/8"	12	40040					





FLAT SASH BRUSHES - For trim or cut work like window sills, door frames, or other narrow, flat surfaces.

Width	Thickness	Bristle Length	Overall Length	Standard Pack	Item Number					
	Black China Bristle - Blue Foam Handle									
1"	3/8"	2"	10-3/8"	12	40113					
1-1/2"	7/16"	2-1/4"	10-1/2"	12	40114 •					
2"	9/16"	3"	11-15/16"	12	40115					
		Polystyrene/Nylon	- Red Foam Handle							
1"	3/8"	2-1/4"	10-1/4"	12	40014 •					
1-1/2"	7/16"	2-1/4"	10-1/2"	12	40017					
2"	9/16"	2-1/2"	10-15/16"	12	40018					
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Cleaning an oil pan with a parts cleaning brush.

PROFESSIONAL SASH & PARTS CLEANING BRUSHES

These high quality brushes are available in a wide variety of sizes and materials to fill all applications. The Professional Sash Brushes are color coded - Blue for Bristle and Red for Polyester/Nylon Blend, and feature painted foam handles in the "beaver tail" style. These handles are attractive and easier to grip, reducing user fatigue. Parts cleaning brushes are ideal for applications such as cleaning carburetors, transmission components, applying adhesives and lubricants.

P

OVAL SASH BRUSHES - Ideal for cleaning parts, crevices and painting hard-to-reach areas.

117		
	10056	

Size	Thickness	Bristle Length	Overall Length	Standard Pack	Item Number				
Black China Bristle - Plain Foam Handle - Chisel Trim									
#2	7/16"	1-3/4"	8-7/8"	24	40116				
#4	11/16"	1-3/4"	8-5/8"	12	40019				
#6	13/16"	1-3/4"	9-5/16"	12	40056				
#8	15/16"	3"	11-1/8"	12	40020				
#10	1-1/16"	3"	11-3/16"	12	40021				

P

ROUND SASH BRUSHES - Ideal for cleaning parts, crevices and painting hard-to-reach areas.



Size	Thickness	Bristle Length	Overall Length	Standard Pack	Item Number					
	Grey Bristle - Plain Foam Handle - Flat Trim									
#2	7/16"	1-3/4"	8-3/4"	24	40118					
#4	11/16"	2"	8-13/16"	12	40119					
#6	13/16"	2"	10-1/16"	12	40120 •					
#8	15/16"	2-1/4"	10-9/16"	12	40121					
#10	1-1/16"	2-1/4"	10-9/16"	12	40122 •					

Non-stock product, contact Customer Service for lead-times.



PARTS CLEANING BRUSHES - Stainless steel ferrule - Heavily filled.



Thickness	Fill Material	Bristle Length	Overall Length	Standard Pack	Item Number			
Plain Foam Handle - Chisel Trim								
1"	Polypropylene	2-1/2"	10-11/16"	12	40035			
1"	Tampico	2-3/4"	11-1/8"	12	40036			



VORTEC PRO® PARTS CLEANING BRUSHES - Reliable and efficient brushes at a value price.

Thickness	Fill Material	Bristle Length	Overall Length	Standard Pack	Item Number		
Plain Foam Handle - Chisel Trim							
15/16"	Nylon	2-1/2"	11-3/16"	12	25221		
1"	Tampico	2-3/4"	11-3/8"	12	25222		

INDUSTRIAL PAINT BRUSHES

The Industrial paint brush line features color coded plastic handles to provide quality paint brushes at competitive prices.



Painting inside the fins of a radiator with a Radiator brush.

INDUSTRIAL VARNISH BRUSHES - Heavily-filled brush with comfortable handle in a variety of sizes.

Width	Thickness	Bristle Length	Overall Length	Standard Pack	Item Number
		Black Bristle - Bla	ack Plastic Handle		
1"	3/8"	1-3/4"	7-3/4"	36	40089
1-1/2"	7/16"	2"	8-5/16"	24	40101
2"	7/16"	1-3/4"	8"	12	40074
3"	1/2"	2"	8-13/16"	12	40103
4"	5/8"	2-3/4"	9-7/8"	12	40104
		Black Polyester -	Red Plastic Handle		
1"	3/8"	2"	8"	36	40107
1-1/2"	7/16"	2"	7-11/16"	24	40108
2"	7/16"	2"	8-1/2"	12	40109
3"	1/2"	2"	9-1/4"	12	40110
4"	11/16"	2-3/4"	9-7/8"	12	40111







BENT RADIATOR BRUSH - Ideal for painting radiators and other hard-to-reach areas.

Width	Thickness	Bristle Length	Overall Length	Standard Pack	Item Number		
Black Bristle - Wood Handle							
2"	9/16"	2-1/4"	19-1/2"	12	95502		

VORTEC PRO® FOAM APPLICATOR BRUSHES - Reliable and efficient brushes at a value price. Not recommended for use with lacquer, shellac or solvents.

Width	Thickness	Foam Length	Overall Length	Standard Pack	Item Number				
Wood Handle									
1"	5/8"	2-5/8"	6-3/8"	50	99801				
2"	5/8"	2-5/8"	6-1/2"	50	99805				
3"	7/16"	2-5/8"	6-1/2"	40	99806				









Removing chips from the ways of a lathe.

CHIP AND OIL BRUSHES

Chip and Oil brushes are inexpensive, multi-purpose brushes for use in applications requiring disposable brushes.

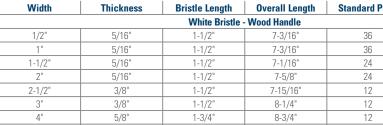
CHIP AND OIL BRUSHES



Width	Thickness	Bristle Length	Overall Length	Standard Pack	Item Number					
	White Bristle - Wood Handle									
1/2"	5/16"	1-1/2"	7-3/16"	30	40065					
1"	5/16"	1-1/2"	7"	30	40066					
1-1/2"	5/16"	1-1/2"	7-7/8"	30	40067					
2"	5/16"	1-1/2"	7-5/8"	20	40068					
2-1/2"	3/8"	1-1/2"	7-3/4"	20	40069					
3"	3/8"	1-1/2"	7-7/8"	10	40070					
4"	5/8"	1-5/8"	8-9/16"	10	40071					
	3/8"	2"	8-7/8"		40076					

VORTEC PRO® CHIP AND OIL BRUSHES - Reliable and efficient brushes at a value price.











		White Bristle -	· Wood Handle		
1/2"	5/16"	1-1/2"	7-3/16"	36	40177
1"	5/16"	1-1/2"	7-3/16"	36	40179
1-1/2"	5/16"	1-1/2"	7-1/16"	24	40180
2"	5/16"	1-1/2"	7-5/8"	24	40181
2-1/2"	3/8"	1-1/2"	7-15/16"	12	40182
3"	3/8"	1-1/2"	8-1/4"	12	40183
4"	5/8"	1-3/4"	8-3/4"	12	40184
4"	3/8"	1-3/4"	8-1/2"	12	40185
		Black Bristle -	Plastic Handle		
1/2"	1/4"	1-5/8"	7-1/8"	30	40160
1"	5/16"	1-5/8"	7-5/16"	30	40161
1-1/2"	5/16"	1-5/8"	7-3/8"	30	40162
2"	5/16"	1-5/8"	7-3/4"	20	40163
2-1/2"	3/8"	1-3/4"	7-3/4"	20	40164
3"	3/8"	1-3/4"	7-15/16"	10	40165
4"	11/16"	2"	8-1/2"	10	40166
		Grey China Bristl	e - Plastic Handle		
1/2"	1/4"	1-1/2"	7-1/8"	48	40026
1"	5/16"	1-1/2"	7-5/8"	36	40027
1-1/2"	5/16"	1-1/2"	7-5/8"	24	40028
2"	3/8"	1-1/2"	7-7/8"	24	40029
2-1/2"	1/2"	1-1/2"	8-5/16"	12	40030
3"	1/2"	1-1/2"	8-9/16"	12	40031
4"	11/16"	1-1/2"	8-13/16"	12	40032
		Black Polypropylene	- Red Plastic Handle		
1"	5/16"	1-3/4"	7-9/16"	36	40137
2"	3/8"	1-3/4"	7-15/16"	24	40139
3"	1/2"	1-3/4"	9-3/16"	12	40140
4"	11/16"	2-3/4"	9-5/8"	12	40141





MARKING BRUSHES

Weiler's high quality Marking Brushes come in a variety of animal, natural and synthetic bristles in numerous handle styles for many applications such as fine artwork, pin striping and sign painting.



Painting a tight area on a steel door with a Marking Brush.

$\pmb{RED \ SABLE \ WATERCOLOR \ BRUSHES - \ Seamless \ ferrule. \ Pointed \ tip - \ Round \ black \ handle}$

Size	Diameter	Trim Length	Overall Length	Standard Pack	Item Number
3/0	3/64"	1/4"	7"	12	41000
0	1/16"	5/16"	7-1/4"	12	41001
2	3/32"	7/16"	7-3/8"	12	41002
4	1/8"	5/8"	7-5/8"	12	41003

41003

BLACK BRISTLE MARKING BRUSHES - Long, lacquered handle

Size	Diameter	Trim Length	Overall Length	Standard Pack	Item Number
1	1/8"	3/4"	11-7/8"	12	41004
2	5/32"	15/16"	12"	12	41005
4	7/32"	1-1/8"	12-1/2"	12	41007
5	1/4"	1-1/4"	12-1/2"	12	41008
6	9/32"	1-3/8"	12-3///"	12	/1009

41009

FLAT MARKING BRUSHES - Ox hair - Single stroke - Round black handle

Width	Trim Length	Overall Length	Standard Pack	Item Number
1/4"	7/8"	7-7/8"	12	41018
1/2"	1"	8-3/4"	12	41019
3/4"	1-1/4"	8-3/4"	12	41020
1"	1-3/8"	9-3/8"	12	41021



FITCH BRUSHES - Black china bristle - Chiseled edge - Clear lacquered handle

Width	Trim Length	Overall Length	Standard Pack	Item Number
1/4"	13/16"	12"	12	41022
1/2"	1-1/16"	12-3/8"	12	41023
3/4"	1-5/16"	12-7/8"	12	41024 •
1"	1-9/16"	13"	12	41025 •

4102

41011

Non-stock product, contact Customer Service for lead-times.

LACQUERING BRUSHES - Seamless aluminum ferrule - Camel hair - Round black handle

Size	Diameter	Trim Length	Overall Length	Standard Pack	Item Number
1	5/32"	11/16"	7-1/2"	12	41010
3	7/32"	13/16"	8"	12	41011
5	1/4"	1-1/8"	8-3/4"	12	41012 •
6	5/16"	1-3/16"	8-7/8"	12	41013 •

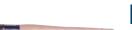
Non-stock product, contact Customer Service for lead-times.



Applying flux to a copper tube prior to soldering.

GLUE AND ACID BRUSHES

Weiler's Glue and Acid Brushes come in multiple sizes, ferrule types, handles and fill materials for a wide variety of cleaning and coating applications.



P BRIDLED GLUE BRUSHES - Grey china bristle - Steel ferrule - Long foam handle

Diameter	Trim Length	Overall Length	Standard Pack	Item Number
7/16"	1-7/16"	8-1/4"	36	40077
13/16"	1-3/4"	9-3/8"	24	40078 •

Non-stock product, contact Customer Service for lead-times.



40078

ACID/FLUX BRUSHES - Horsehair - Tin ferrule

Width	Trim Length	Overall Length	Standard Pack	Item Number
5/16"	3/4"	5-3/4"	144	44088 ■
3/8"	3/4"	5-3/4"	144	44089 ■
1/2"	3/4"	5-3/4"	144	44090 ■

■ Packaged product available. See pages 136-139 for details.



STYLUS BRUSH - Stiff grey horsehair - Aluminum tube with cork to hold cleaning fluid. For cleaning electrical contact points.

Width	Trim Length	Overall Length	Standard Pack	Item Number
1/2"	3/8"	5"	100	44097



STENCIL BRUSHES - China bristle - Seamless steel ferrule - Lacquered wood handle

Diameter	Bristle Length	Overall Length	Standard Pack	Item Number
1"	1-3/8"	5-1/2"	12	40080
2"	1-3/4"	6-3/8"	12	40082



DOPE BRUSHES - With hanger for coating applications in drilling operations.

Brush Part	Fill Material	Diameter	Overall Length	Standard Pack	Item Number
4"	Mixed	2"	16"	24	44261
	Tampico	2-1/2"		24	44262
		3"		6	44263

Kev





PAINT ROLLERS AND ACCESSORIES

Paint Rollers can be used almost anywhere including walls, ceilings, floors, decks, fences, metal surfaces, concrete, and brick walls. Weiler carries a wide variety of rollers for the professional painter, industrial use and those weekend DIY projects.

PAINT ROLLER SELECTION GUIDE

Work Surface	Coating	Recommended Nap
Metal, Smooth Wood, Smooth Concrete	Enamels, Epoxies, Adhesives, Paint	3/16", 3/8" (Low nap)
Rough Wood, Drywall, Cement Block	All Paint	1/2", 3/4" (Medium nap)
Stucco, Brick, Concrete	All Paint	1" (High nap)



Applying primer to new drywall.

PROFESSIONAL GRADE ROLLERS - Poly blend with phenolic core.

Size	Nap	Painting Surface	Standard Pack	Item Number
9"	3/16"	Smooth	12	49050
	1/2"	Semi-smooth		49051
	3/4"	Rough		49052



P INDUSTRIAL GRADE ROLLERS - Poly blend with PVC core.

Size	Nap	Painting Surface	Standard Pack	Item Number
3"	3/8"	Semi-smooth	24	49046
4"	3/8"	Semi-smooth	12	49044
	3/4"	Rough		49045
9"	3/16"	Smooth	12	49061
	1/2"	Semi-smooth		49062
	3/4"	Rough		49063



VORTEC PRO® ROLLERS - Poly blend with PVC core. Reliable and efficient rollers at a value price.

Size	Nap	Painting Surface	Standard Pack	Item Number
9"	3/8"	Semi-smooth	12	49070
	1/2"	Semi-smooth		49071



SPECIALTY ROLLERS - Can be used with all paints. Ideal for trim and touch-up.

Description	Overall Length	Std. Pack	Item No.
3" Roller with 3/8" nap. Standard duty frame	11-1/2"	24	49016
3" Roller with 3/8" nap. Wire frame with two tin end caps. Bent wire handle.	6-1/8"	12	49015
4" Micro Perlon Roller Reach	16-3/8"	24	49025
4" Micro Perlon Twin Pack Cover	4-1/8"	24	49066



P FRAMES - All metal with two plastic caps. Solid plastic handle with threaded grip. Can be used with threaded handle #44300 on page 152.

Size	Description	Overall Length	Standard Pack	Item Number
3"	Standard-duty 1/4" dia. frame with 4 wire cage	11-3/8"	24	49019
4"	Standard-duty 1/4" dia. frame with 4 wire cage	11-3/4"	24	49018
9"	Heavy-duty 5/16" dia. frame with 5 wire cage	13-1/2"	12	49022



VORTEC PRO FRAME - Reliable and efficient frame at a value price.

Size	Description	Overall Length	Standard Pack	Item Number
9"	Standard-duty 1/4" dia. frame with 4 wire cage	12-3/4"	24	49020



PAINT TRAYS - A variety of trays available to meet users' specific needs.

Description	Paint Capacity	Standard Pack	Item Number
4" Plastic tray	1 Quart	24	49008
9" Galvanized steel tray; Rust resistant	2 Quart	24	49010
9" Paint tray liner	2 Quart	24	96702



Description	Paint Capacity	Standard Pack	Item Number
9" Economy plastic tray; Rust proof	2 Quart	20	49011



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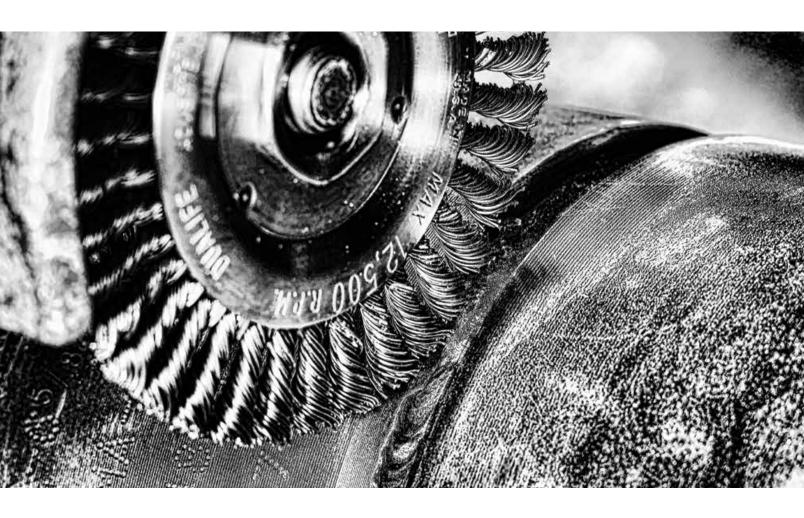






THE WEILER PROMISE

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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