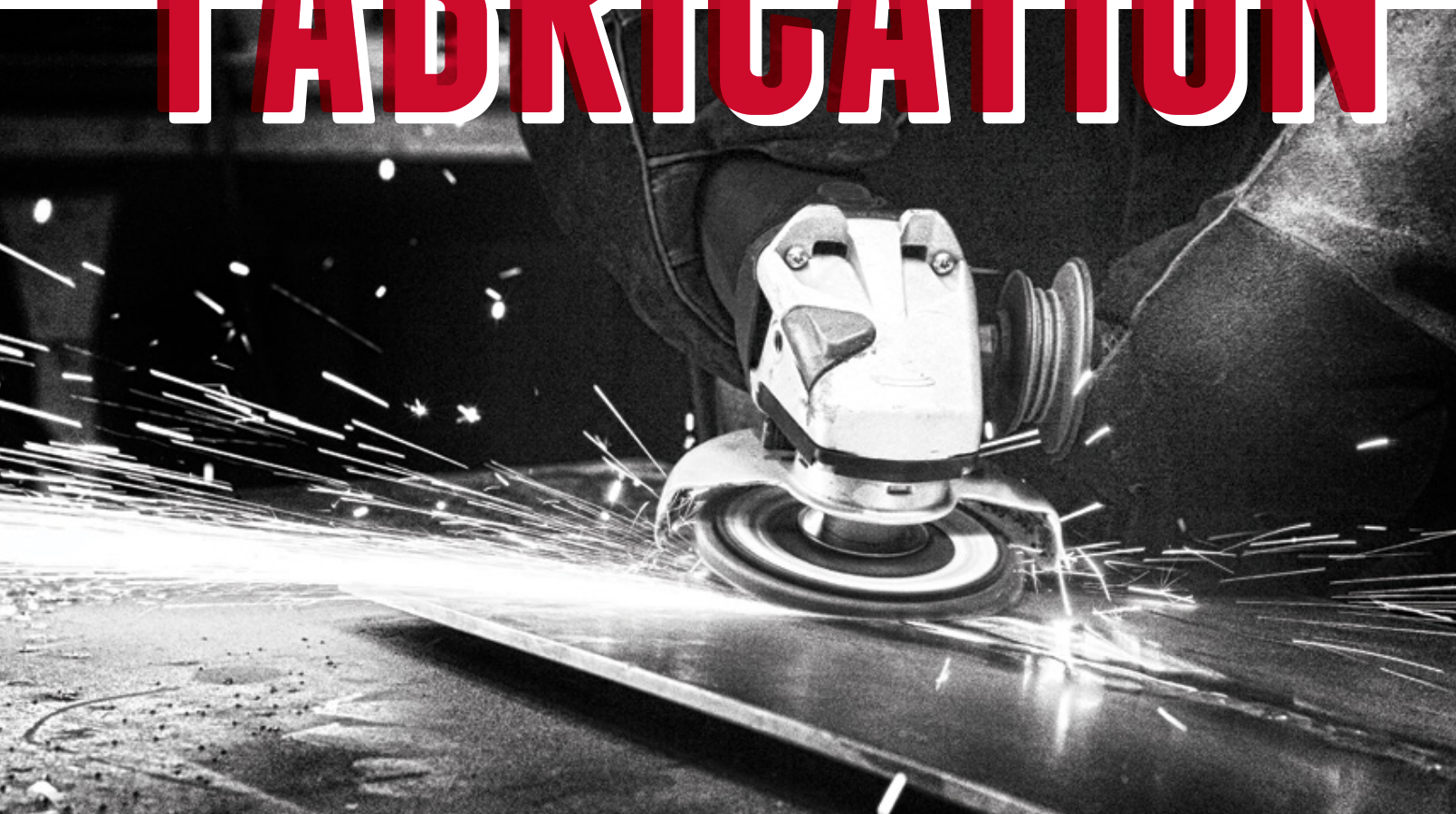


WELDING & FABRICATION



Solutions for Cutting, Grinding, Cleaning and Finishing.



We are Weiler: Cresco, PA Headquarters

WEILER

If you think Weiler is an old fashioned company nestled in the beautiful Pocono Mountains of Pennsylvania, you would only be half right.

We are, of course, based in Cresco, PA and 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 built here by Weiler Co-Workers who embrace our commitment to Customers, the Community, and to one another.

Weiler Corporation's **heritage dates to 1898**. Today, the tradition of excellence continues under the leadership of the fourth generation, Chris Weiler, President/CEO. Having grown from a power brush manufacturer to a global surface conditioning problem-solver, Weiler's mission is to partner with our customers and business partners to ensure their businesses stay productive and profitable. Our people, products and our strong desire to win deliver a competitive edge that creates growth.

WORK FASTER:

Before, during and after the weld, Weiler products are **designed to provide superior performance through maximum aggression and long life**. That means you get your work done faster and more efficiently. Our extensive and knowledgeable field sales team works alongside your team to make sure you have the right product to get the job done fast - and done right.



See how Weiler gives you a competitive edge.
youtube.com/WeilerCorpVideos

WORK SAFER:

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.



WORK BETTER:

We partner with you to improve your productivity and drive cost out of your business. Our experts will evaluate and **quantify your consumable spend** and labor productivity. Our analysis provides hard data as to how product is used, how long it lasts and how productive it is, enabling our team to make recommendations to improve your operation.

In addition to our field sales support, Weiler provides world-class Customer Service (800-835-9999) and Application Assistance (888-299-2777).

If you have a problem that can be solved, we will solve it.

A recent study generated
\$70,000
in annual savings.

WHY WEILER

COATED ABRASIVES

BONDED ABRASIVES

BRUSHES

GENERAL FABRICATION



SHIP BUILDING

PETROCHEMICAL



Tackle your work faster,
safer and better every
day with Weiler. We work
with you to solve your
challenges, enabling your
business to get more
done and, ultimately,
improve your top and
bottom line.

POWER GENERATION



PIPELINE



TRANSPORTATION

BEFORE, DURING, AND AFTER THE WELD, WE HAVE YOU COVERED

COATED ABRASIVES

From the company that brought flap discs to the US, Weiler coated abrasive products continue to set the standard. Our Premium Tiger® flap discs are engineered to conquer any material or application.

Weiler recently raised the bar by adding two new flap discs to its abrasive line. The **Tiger X** flap disc leverages industry-first technology to grind faster AND last longer, while the **Tiger Paw** flap disc is specifically designed for superior edge grinding.

- Flap Disc Selection Guide** 8-9
- Flap Discs** 10-21
- Flap Wheels** 22-23
- Resin Fiber Discs** 24
- Al-tra Cut™ Discs** 25
- Blending Discs** 26

BONDED ABRASIVES

Specifically designed for general purpose cutting and grinding applications on a budget, “Vortec Pro®” resin bonded products are fiberglass reinforced and provide the quality and performance that you expect from Weiler without breaking the bank. For rough grinding, weld removal, snagging, cutting, and parting, Vortec Pro delivers a great combination of performance and value.

- Bonded Selection Guide** 29
- Cutting Wheels** 30-31
- Grinding Wheels** 32-33

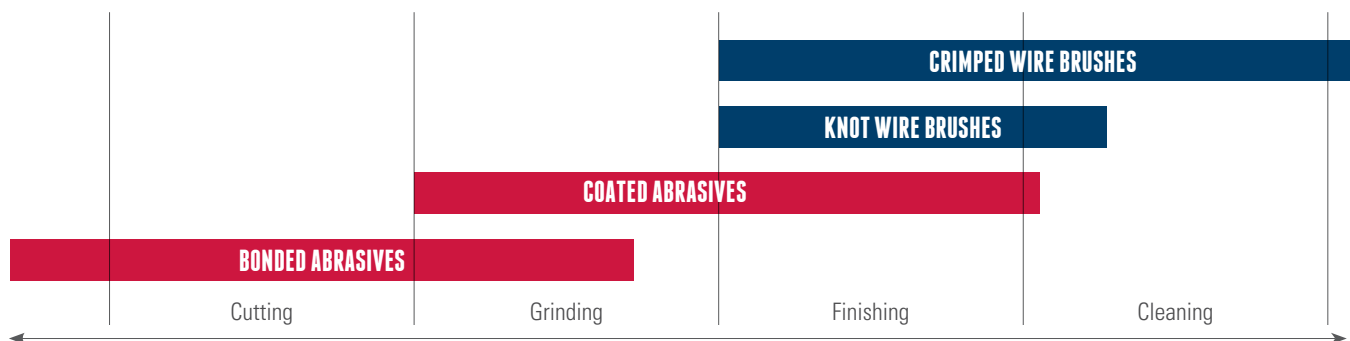
WIRE BRUSHES

Superior construction, the highest quality materials, state of the art manufacturing, and exacting quality standards deliver the most consistent brush performance. Each Weiler brush is designed to provide the best performance at the lowest cost-of-use. In addition, our experience in providing surface conditioning solutions translates to unparalleled customer support for the most demanding applications.

- Wire Brush Selection Guide** 35
- Weld Cleaning Brushes** 36-38
- Knot Wire Wheels** 39
- Wire Cup Brushes** 40-41
- Stem-Mounted End Brushes** 42-43
- Crimped Wire Wheels** 44
- Scratch, Chip & Oil Brushes** 47-49

PRODUCT SELECTION:

Cutting, grinding, cleaning, or finishing. Weiler can help you select the right product to get the job done right, and done fast. Pick the type of product you need based on surface finish and degree of aggression for your application.



Note: If you need assistance selecting the right product for your specific application, contact our Application Engineering Team at: **888-299-APPS (2777)**

WHY WEILER

COATED ABRASIVES

BONDED ABRASIVES

BRUSHES

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 (ANSI)

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.



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



..... Safety Goggles / Face Shield



..... Protective Clothing



..... Hearing Protection



..... Safety Gloves



..... Respiratory Protection



..... Speed



..... Tool Guard



Dually® Stringer Bead Wheel

Tiger® Grinding Wheel

Tiger® X Flap Disc

COATED ABRASIVES



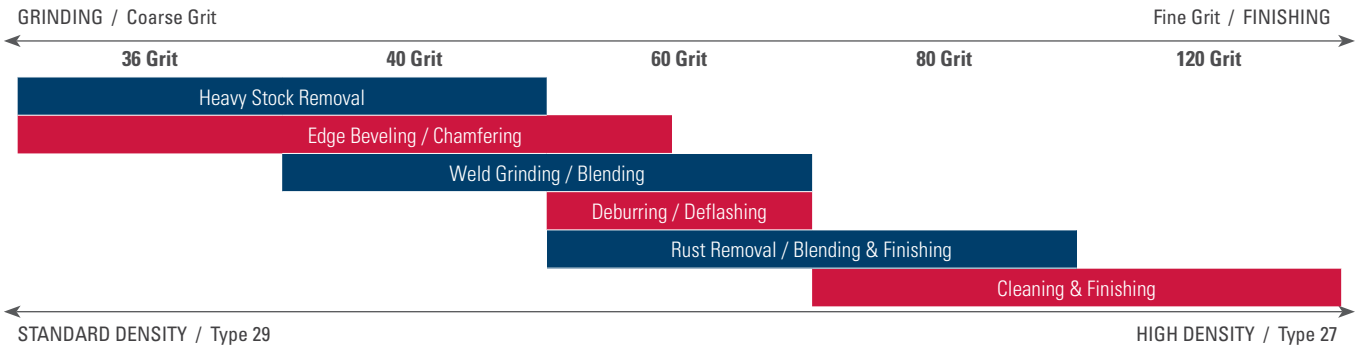
FLAP DISCS | FLAP WHEELS | RESIN FIBER DISCS | AL-TRA CUT™ DISCS | BLENDING DISCS

SELECTING THE RIGHT FLAP DISC

Weiler's made in the U.S.A. Coated 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. Use the information provided to help select the right solution for your application.



GRIT SIZE BY DESIRED FINISH



DISC STYLE COMPARISON

Type 27 – Flat Style

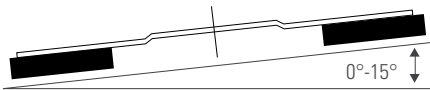
Provides smooth grinding and finishing.



Used primarily on flat surfaces.

The best choice for blending and smooth grind/finishing.

Ideal working angle of less than 15°.



Type 29 – Angled Style

Provides maximum aggression for stock removal.

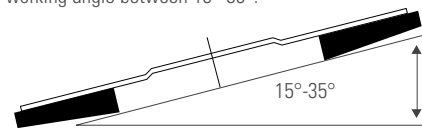


Used on both contoured and edge work.

The angle provides greater surface contact for stock removal on flat surfaces.

The best choice for fast stock removal.

Ideal working angle between 15°-35°.



FLAP DENSITY

Type 27 Standard Density

Standard aggression/smooth grinding



Type 27 High Density

Maximum conformability & life



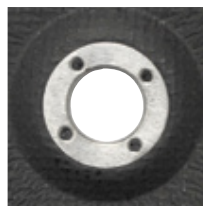
Type 29 Standard Density

Maximum aggression/stock removal



BACKING SELECTION

Phenolic



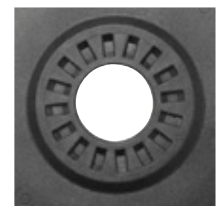
Prevents backing from scratching the workpiece.

Aluminum



Rigid support for maximum aggression; recyclable.

Composite*



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

*BobCat™ Discs are not Trimable.

P PERFORMANCE LINE - INDUSTRIAL GRADE

Engineered and manufactured to maximize performance and minimize operating costs. Superior construction, highest quality materials and the most stringent manufacturing processes deliver premium performance.



Page 10-11

TIGER® X

Grinds More, Lasts Longer.

Advanced anchoring system, dual flap design and newly engineered backing for uncompromised performance and life.



Page 12-13

TIGER®

Aluminum Back.

Rigid and recyclable, designed for the industrial user who requires a fast even-cut in pipeline applications.



Page 14

BIG CAT®

Most Conformable, High Density.

Conforms to curved and irregular surfaces. Extended performance on Steel and Stainless.



Page 15

TRIMMABLE TIGER®

Versatile, Trimmable, Flexible.

For extended life and fillet welds on Steel and Stainless.



Page 16

SABER TOOTH™

Exotic & Non-Ferrous Metals.

Fast cutting cool top-coat prevents loading on Aluminum and heat discoloration on Stainless.



Page 18-19

TIGER PAW™

Edge Beveling & Grinding.

For heavy-duty edge-grinding on Steel and Stainless.



Page 17

BOBCAT™

Compact, Nimble.

Makes grinding in tight areas on Steel and Stainless easy.

V VALUE LINE - PROFESSIONAL GRADE

Similar construction and standards as our premium grade products. The economical choice for low volume and professional contractors.



Page 20-21

VORTEC PRO®

Efficient & Economical.

Standard performance on Steel and Stainless.

TIGER® FLAP DISCS / PERFORMANCE LINE



UNLEASH TIGER X: Tiger X flap discs raise the bar for those who are driven to get the job done right and done fast. Tiger X holds nothing back with its industry-first X3 technology that combines an advanced anchoring system, dual flap design and engineered backing. The combination delivers fast grinding AND long disc life for increased productivity.

MADE IN USA



Grinding & blending a weld between two Steel plates.

Tiger X delivers the ultimate productivity enhancing X-Factors so you can do more in less time while lowering your consumable costs.

- **Increased Productivity** – The combination of aggressive grinding and long disc life deliver the ultimate X-Factor, a disc that gets more done in less time.
- **Lower Consumable Costs** – The combination of extreme aggressive grinding and long disc life means you get more for your money.
- **Enhanced Worker Safety** – Increased aggression requires less force to get equal or better results. This means less stress and reduced fatigue.
- **Greater Versatility** – X3 technology allows for greater versatility, reducing the need to switch discs when changing applications.

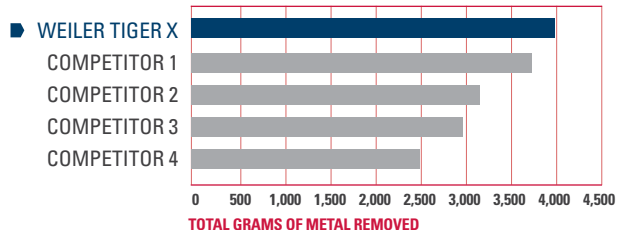
APPLICATIONS

- Flat surface grinding
- Light pressure / blending
- Weld grinding / blending
- Heavy stock removal
- Deburring, etc.

TESTED. PROVEN. TIGER X WORKS FASTER, LONGER.

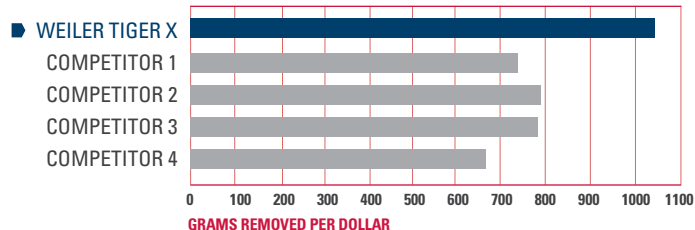
TIGER X REMOVES UP TO 40% MORE MATERIAL

TOTAL GRAMS OF METAL REMOVED FROM WORKPIECE OVER LIFE OF FLAP DISC



GET UP TO 40% MORE FOR YOUR MONEY

TOTAL GRAMS OF METAL REMOVED FOR EVERY DOLLAR YOU SPEND



Test Procedure: Weiler Tiger X 4-1/2" Type 29 standard density flap disc vs. similar competing flap discs. Test grinder mounted at 15° angle against 1/2" workpiece with 15 pounds of pressure. Bi-directional 8" travel. Discs and workpiece weighed after 5 minutes of operation for life of product. Tiger X usable life: 100 minutes. Competitors' usable life: 65–90 minutes.

Ceramic Alumina and Zirconia Alumina grain mix

Grinds Faster and Lasts Longer.

Industry First

X3

Technology

grain anchoring system, dual flap design, & engineered backing.



P **TIGER X FLAP DISCS** Angled Style (Type 29) / Phenolic Backing
 Designed for aggressive grinding and long life when used on Steel and Stainless Steel.



LIFE ●●●●●
 AGGRESSION ●●●●●

Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number
					Ceramic & Zirconia Alumina
4-1/2"	7/8"	36	13,000	10	51200
		40			51201
		60			51202
		80			51203
4-1/2"	5/8"-11 Nut	36	13,000	10	51204
		40			51205
		60			51206
		80			51207
5"	7/8"	36	12,000	10	51208
		40			51209
		60			51210
		80			51211
5"	5/8"-11 Nut	40	12,000	10	51212
		60			51213
		80			51214
7"	7/8"	36	8,600	10	51215
		40			51216
		60			51217
		80			51218
7"	5/8"-11 Nut	36	8,600	10	51219
		40			51220
		60			51221
		80			51222



51205



51216

WHY WEILER

COATED ABRASIVES

P **TIGER X FLAP DISCS** Flat Style (Type 27) / Phenolic Backing
 Ideal working angle of less than 15° provides smooth grinding when used on Steel and Stainless Steel.



Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number
					Ceramic & Zirconia Alumina
4-1/2"	7/8"	40	13,000	10	51223
		60			51224
		80			51225
4-1/2"	5/8"-11 Nut	40	13,000	10	51226
		60			51227
		80			51228
7"	7/8"	40	8,600	10	51229
		60			51230
		80			51231
7"	5/8"-11 Nut	40	8,600	10	51232
		60			51233
		80			51234



51229

BONDED ABRASIVES

BRUSHES

Key:

P PERFORMANCE LINE Industrial Grade **V** VALUE LINE Professional Grade



Blending the weld of a Steel frame prior to painting.



Weiler's Original Tiger flap discs are the brand you have trusted for over 20 years and THE flap discs that set the standard in the industry for performance, consistency, reliability and quality. Aluminum back flap discs are the benchmark for the pipeline industry, among others, providing rigid support for maximum aggression.



APPLICATIONS

- Flat surface grinding
- Weld grinding / blending
- Edge grinding
- Light pressure / blending
- Heavy stock removal
- Pipeline

- LIFE ●●●●●●●●●●
- AGGRESSION ●●●●●●●●●●
- PIPELINE USE ●●●●●●●●●●



TIGER DISCS Angled Style (Type 29) / Phenolic & Aluminum Backing

Designed for the industrial user who values high cut rate and long life.



Dia.	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number		
					Phenolic Backing		Aluminum Backing
					Zirconia Alumina	Alum. Oxide	Zirconia Alumina
4	5/8"	36	15,000	10	50592	50552	50502
		40			50593	50553	50503
		60			50594	50554	50504
		80			50595	50555	50505
		120			50596	—	50506
4-1/2"	7/8"	24	13,000	10	50601	50561	50511
		36			50602 / 51200**	50562	50512
		40			50603 / 51201**	50563	50513
		60			50604 / 51202**	50564	50514
		80			50605 / 51203**	50565	50515
120	50606	—	50516				
4-1/2"	5/8"-11 Nut	24	13,000	10	—	—	50510*
		36			—	—	50517*
		40			50608* / 51205**	—	50518*
		60			50609* / 51206**	—	50519*
		80			50610* / 51207**	—	50520*
120	—	—	50509*				
5"	7/8"	24	12,000	10	50611	—	50521
		36			50612 / 51208**	50572	50522
		40			50613 / 51209**	50573	50523
		60			50614 / 51210**	50574	50524
		80			50615 / 51211**	50575	50525
120	50616	—	50526				
6"	7/8"	40	10,200	10	50649	—	—
		60			50650	—	—
		80			50651	—	—
6"	5/8"-11 Nut	40	10,200	10	50659	—	—
		60			50660	—	—
		80			50661	—	—
7"	7/8"	24	8,600	10	50621	—	50531
		36			50622 / 51215**	50582	50532
		40			50623 / 51216**	50583	50533
		60			50624 / 51217**	—	50534
		80			50625 / 51218**	50585	—
120	50626	—	50536				
7"	5/8"-11 Nut	24	8,600	10	50641*	—	50541*
		36			50642* / 51219**	50632*	50542*
		40			50643* / 51220**	50633*	50543*
		60			50644* / 51221**	50634*	50544*
		80			50645* / 51222**	50635*	50545*
120	50646*	—	50546*				

* Patent # 6,945,863

** Original Tiger will be converted to Tiger X in October 2015. This chart provides the associated Tiger X conversion number. Orange numbers represent Tiger X - available July 2015.

P **TIGER DISCS** Flat Style (Type 27) / Phenolic Backing
High stock removal, long life and flexibility.



Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number	
					Zirconia Alumina	Alum. Oxide
4	5/8"	40	15,000	10	50693	50653
		60			50694	50654
		80			50695	50655
		120			50696	—
4-1/2"	7/8"	40	13,000	10	50703 / 51223**	50663
		60			50704 / 51224**	50664
		80			50705 / 51225**	50665
		120			50706	—
4-1/2"	5/8"-11 Nut	40	13,000	10	50708* / 51226**	50668*
		60			50709* / 51227**	50669*
		80			50710* / 51228**	50670*
		120			50699*	—
5"	7/8"	40	12,000	10	50713	50673
		60			50714	50674
		80			50715	50675
		120			50716	—
7"	7/8"	40	8,600	10	50723 / 51229**	50683
		60			50724 / 51230**	50684
		80			50725 / 51231**	—
		120			50726	—
7"	5/8"-11 Nut	40	8,600	10	50743* / 51232**	50733*
		60			50744* / 51233**	50734*
		80			50745* / 51234**	50735*
		120			50746*	—

* Patent # 6,945,863
** Original Tiger will be converted to Tiger X in October 2015. This chart provides the associated Tiger X conversion number. Orange numbers represent Tiger X - available July 2015.



50708

WHY WEILER

COATED ABRASIVES

BONDED ABRASIVES

BRUSHES

ADAPTING NUTS & SPANNER WRENCH

For use with Tiger, High Density and Vortec Pro Flap Discs.

Description	Thread Size	For Use With	Standard Pack	Item Number
Adapting Nuts	3/8" - 24	4" Flap Disc with 5/8" arbor hole (can be used with an adjustable or combination wrench)	1	56484
Adapting Nuts	5/8" - 11	4-1/2", 5" & 7" Flap Discs with 7/8" arbor hole	1	56494
Spanner Wrench	—	Item No. 56494 only	1	56495

When mounting, adapters must be nested, see illustration below.



56494

56495



Adapting Nut

Abrasive Flap Disc

Adapting Nut

Right Angle Grinder



Blending and finishing a weld.



Weiler's Big Cat flap discs offers the widest footprint in the industry. The wider flaps better conform to curved and irregular surfaces, producing a consistent finish and lasting 30-40% longer than a standard flap disc.

**MADE IN
USA**

APPLICATIONS

Provides increased conformability and long life when:

- Flat surface grinding
- Weld grinding / blending
- Irregular surface
- Light pressure / blending
- Heavy stock removal

FEATURES AND BENEFITS

Enhanced **conformability** helps reduce gouging and undercutting.

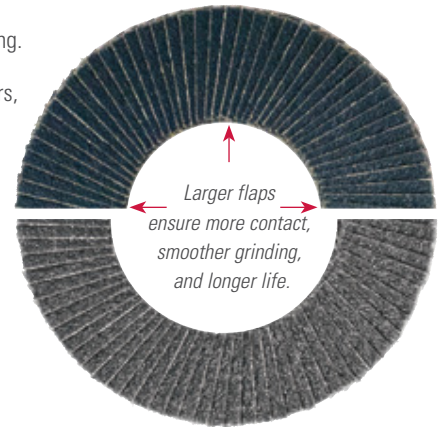
Thicker phenolic back (more layers of fiberglass) than competitors, provides **more stability** for the thicker cloth configuration.

Largest flap area in the industry as a result of the unique combination of flap count, height and width.

Longest lasting high density discs provide as much as 20% more life than the top competitors discs.

Big Cat is well known in the industry – ask for it by name for **increased productivity**, reduced operating cost and maximum disc life.

Big Cat HD Flap Disc



Competitors HD Flap Disc

- LIFE ●●●●●
- AGGRESSION ●●●●●
- CONFORMABLE ●●●●●

P BIG CAT FLAP DISCS Flat Style (Type 27) / Phenolic Backing

Increased conformability and maximum life.



Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number	
					Zirconia Alumina	Aluminum Oxide
4-1/2"	7/8"	40	12,000	10	50803	50763
		60			50804	50764
		80			50805	50765
		120			50806	—
4-1/2"	5/8"-11 Nut	40	12,000	10	50808*	50768*
		60			50809*	50769*
		80			50810*	50770*
7"	7/8"	40	8,600	10	50823	50783
		60			50824	50784
		80			50825	—
		120			50826	50786
7"	5/8"-11 Nut	40	8,600	10	50843*	50833*
		60			50844*	50834*
		80			50845*	—
		120			50846*	—

*Patent # 6,945,863



50804



50823



Weiler's Trimmable Tiger flap discs are designed for hard-to-reach areas such as fillet welds and irregular shapes while grinding on-edge without changing tools. The unique composite backing can be trimmed, exposing more abrasive material and extending disc life, resulting in lower grinding and finishing costs. The backing can be trimmed up to 3/8" from the original diameter, dramatically extending flap length for grinding into fillet welds.

MADE IN USA



To trim backing, run against a sharp edge until desired backing diameter is achieved.

APPLICATIONS

- Light pressure / blending
- Weld grinding / blending
- Heavy stock removal
- Fillet grinding
- Irregular surface



A trimmed back dramatically extends disc life, allowing the operator to use the entire flap while maintaining a consistent working angle.

WHY WEILER

P TRIMMABLE TIGER FLAP DISCS Angled Style (Type 29) / Composite Backing
High stock removal, long life and flexibility, ideal for working into fillet welds.



LIFE ●●●●●●●●
AGGRESSION ●●●●●●●●
VERSATILITY ●●●●●●●●

Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number
					Zirconia Alumina
4-1/2"	7/8"	40	13,000	10	50002
		60			50003
		80			50004
		120			50005
4-1/2"	5/8"-11 Nut	40	13,000	10	50006*
		60			50007*
		80			50008*
		120			50009*
5"	7/8"	40	12,000	10	50010
		60			50011
		80			50012
		120			50013
5"	5/8"-11 Nut	40	12,000	10	50014
		60			50015
		80			50016
		120			50017



50002

*Patent # 6,945,863

COATED ABRASIVES

BONDED ABRASIVES

BRUSHES

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

- **Jim Martin**, Vice President, Karnel Incorporated





Grinding and beveling Stainless Steel tubing a with a Saber Tooth abrasive flap disc.



Weiler's Saber Tooth flap discs deliver real performance on Stainless Steel, Aluminum, Inconel, Titanium and other hard-to-grind metals. A grinding aid protects high value parts from heat discoloration and the self-sharpening Ceramic Alumina grain provides cool, fast-cutting action, allowing you to do more work, more quickly. Discs are contaminant free, with Iron, Sulfur and Chlorine $\leq 0.1\%$.

**MADE IN
USA**

APPLICATIONS

- Flat surface grinding
- Light pressure / blending
- Weld grinding / blending
- Heavy stock removal
- Edge grinding
- Fillet grinding
- Irregular surface

LIFE ●●●●●●●●●●
 AGGRESSION ●●●●●●●●●●
 USE ON SS / AL ●●●●●●●●●●

P SABER TOOTH FLAP DISCS Angled Style (Type 29) / Phenolic Backing

Cool, fast cutting on hard-to-grind metals.



Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number
					Ceramic Alumina
4-1/2"	7/8"	36	13,000	10	50100
		40			50101
		60			50102
		80			50103
4-1/2"	5/8"-11 Nut	36	13,000	10	50104*
		40			50105*
		60			50106*
		80			50107*
7"	7/8"	36	8,600	10	50108
		40			50109
		60			50110
		80			50111
7"	5/8"-11 Nut	36	8,600	10	50112*
		40			50113*
		60			50114*
		80			50115*



50102



P SABER TOOTH TRIM FLAP DISCS Angled Style (Type 29) / Composite Backing

Cool, fast cutting on hard-to-grind metals. High stock removal, long life and flexibility.



Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number
					Ceramic Alumina
4-1/2"	7/8"	40	13,000	10	50117
		60			50118
		80			50119
4-1/2"	5/8"-11 Nut	40	13,000	10	50121*
		60			50122*
		80			50123*



50121

P SABER TOOTH HIGH DENSITY (HD) FLAP DISCS Flat Style (Type 27) / Phenolic Backing

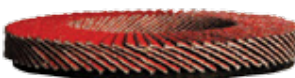
Cool, fast cutting on hard-to-grind metals. Increases conformability and provides 30-40% longer life than standard (Type 29) flap discs.



Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number
					Ceramic Alumina
4-1/2"	7/8"	40	13,000	10	50130
		60			50131
		80			50132
4-1/2"	5/8"-11 Nut	40	13,000	10	50133*
		60			50134*
		80			50135*
7"	7/8"	40	8,600	10	50136
		60			50137
		80			50138
7"	5/8"-11 Nut	40	8,600	10	50139*
		60			50140*
		80			50141*



50139

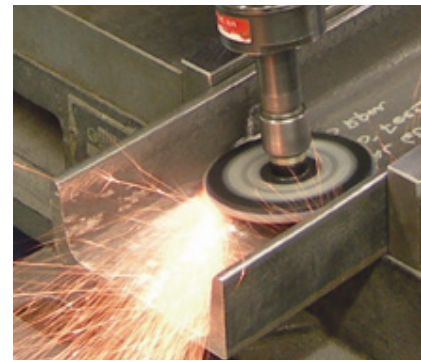


*Patent # 6,945,863



Weiler's BobCat flap discs are designed for use on right angle die grinders without the need for a back-up pad. The 2" and 3" mini discs provide smooth grinding and enhanced conformability in tight areas.

MADE IN USA



Blending welds on a Steel rule die with a BobCat disc.

APPLICATIONS

- Grinding and finishing for hard to reach areas
- High, aggression, rapid stock removal
- Grinding, deburring and blending
- Metal fabrication, weld blending or edge chamfering

P BOBCAT MINI FLAP DISCS Plastic Backing (No back-up pad required)
Ideal for tight spaces and in heavy-duty applications where blending discs do not hold up.

Diameter	Grit Size	Max. RPM	Standard Pack	Item Number	
				Zirconia Alumina	
				Type 29	Type 27
2"	36	30,000	10	50922	50932
	40			50923	50933
	60			50924	50934
	80			50925	50935
	120			50926	50936
3"	36	20,000	10	50902	50912
	40			50903	50913
	60			50904	50914
	80			50905	50915
	120			50906	50916

*Patent # 5,951,389



LIFE ●●●●●
AGGRESSION ●●●●●
NIMBLE ●●●●●



50924 & 50904

WHY WEILER

COATED ABRASIVES

BOBCAT DRIVE MANDREL

For mounting BobCat Discs without a backing pad.

Description	Standard Pack	Item Number
For mounting 2" & 3" BobCats on tools with 1/4" collets	1	07766

3" BobCats can also be mounted on Weiler metal hub pad #60509.



07766

BONDED ABRASIVES

BRUSHES

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

- **Dave Porzuczek**, Assistant Foreman, Karnel Incorporated



TIGER PAW™ FLAP DISCS / PERFORMANCE LINE



Weiler's Tiger Paw flap discs are designed for the user looking for aggressive performance and long life in heavy-duty applications like **grinding on the edge of pipe**.

MADE IN USA

100% Zirconia Alumina grain is fast cutting with long life, resulting in fewer changeovers and increased productivity.

Superior grain retention - lasts longer and maintains perfect cutting angle to provide excellent performance and sustained stock removal when grinding on-edge while the engineered poly/cotton cloth features excellent grain retention for maximum disc life.

APPLICATIONS

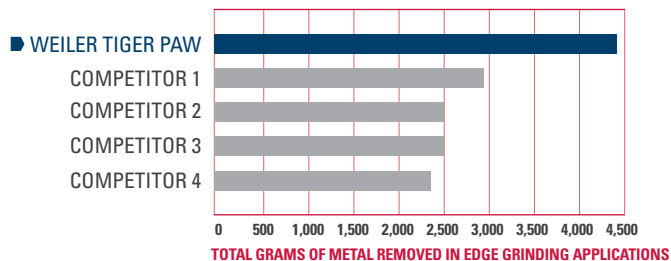
- Light pressure / blending
- Heavy stock removal
- Weld grinding / blending
- Edge grinding
- Irregular surface



Beveling pipe on edge with a Tiger Paw flap disc.

TIGER PAW REMOVES MORE MATERIAL

TOTAL GRAMS OF METAL REMOVED FROM WORKPIECE OVER LIFE OF FLAP DISC

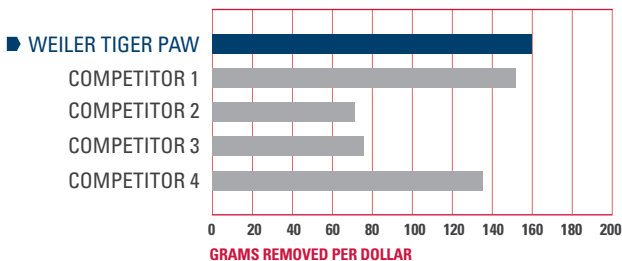


TOTAL GRAMS OF METAL REMOVED IN EDGE GRINDING APPLICATIONS

Test Procedure: Weiler Tiger Paw 4-1/2" Type 29 standard density flap disc vs. similar competing flap discs. Test grinder mounted at 15° angle against 1/8" workpiece with 15 pounds of pressure. Bi-directional 8" travel. Discs and workpiece weighed after each minute of operation. Tiger Paw usable life: 17 minutes. Competitors' usable life: 8-10 minutes.

GET MORE FOR YOUR MONEY

TOTAL GRAMS OF METAL REMOVED FOR EVERY DOLLAR YOU SPEND



GRAMS REMOVED PER DOLLAR

- LIFE ●●●●●
- AGGRESSION ●●●●●
- EDGE GRINDING ●●●●●

P TIGER PAW Angled Style (Type 29) / Phenolic Backing

Aggressive action and long life; for heavy-duty applications on Steel and Stainless.



51118



51147

Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number	
					Zirconia Alumina	
4"	5/8"	40	15,000	10	51104	
		60			51105	
4-1/2"	7/8"	36	13,000	10	51118	
		40			51119	
		60			51120	
		80			51121	
4-1/2"	5/8"-11 Nut	36	13,000	10	51123*	
		40			51124*	
		60			51125*	
		80			51126*	
5"	7/8"	40	12,000	10	51129	
		60			51130	
5"	5/8"-11 Nut	36	12,000	10	51153*	
		40			51132*	
		60			51133*	
		80			51154*	
7"	7/8"	40	8,600	10	51145	
		60			51150	
7"	5/8"-11 Nut	36	8,600	10	51149*	
		40			51146*	
		60			51147*	
		80			51148*	

*Patent # 6,945,863

P **TIGER PAW** Flat Style (Type 27) / Phenolic Backing

Smooth action and long life; for heavy-duty applications on Steel and Stainless.



Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number
					Zirconia Alumina
4"	5/8"	40	15,000	10	51101
		60			51102
4-1/2"	7/8"	36	13,000	10	51107
		40			51108
		60			51109
		80			51110
4-1/2"	5/8"-11 Nut	36	13,000	10	51112*
		40			51113*
		60			51114*
		80			51115*
5"	7/8"	40	12,000	10	51134
		60			51135
5"	5/8"-11 Nut	36	12,000	10	51155*
		40			51156*
		60			51157*
		80			51158*
7"	7/8"	40	8,600	10	51137
		60			51138
7"	5/8"-11 Nut	36	8,600	10	51139*
		40			51140*
		60			51142*
		80			51143*

*Patent # 6,945,863



51115

WHY WEILER

COATED ABRASIVES

HIGH DENSITY

Tiger Paw Extreme High Density flap discs feature thicker and larger flaps that conform to curved and irregular surfaces while producing a consistent finish. These high density flap discs are designed for the user looking for **extended life and conformability** in heavy-duty applications.

- 40% more abrasive cloth than a standard flap disc.
- 100% Zirconia Alumina grain provides superior edge grinding.
- Engineered poly/cotton cloth features excellent grain retention for maximum disc life.



BONDED ABRASIVES

P **TIGER PAW HD FLAP DISCS** Flat Style (Type 27) / Phenolic Backing

Extended life and conformability; for heavy-duty applications on Steel and Stainless Steel.



Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number
					Zirconia Alumina
4-1/2"	7/8"	36	12,000	10	51160
		40			51161
		60			51162
		80			51163
4-1/2"	5/8"-11 Nut	36	12,000	10	51164*
		40			51165*
		60			51166*
		80			51167*
7"	7/8"	40	8,600	10	51170
		60			51171
7"	5/8"-11 Nut	40	8,600	10	51168*
		60			51169*

*Patent # 6,945,863

LIFE = ●●●●●
AGGRESSION = ●●●●●



51168

BRUSHES

VORTEC PRO® FLAP DISCS / VALUE LINE

VORTEC Pro

Weiler's Vortec Pro flap discs are fast cutting professional grade products using the same exacting standards as the Weiler performance line flap discs, but engineered to be cost-effective. Vortec Pro Abrasives are an economical choice for the construction trades, low volume production shops and the professional contractor.

**MADE IN
USA**



Grinding welds on a fabricated Steel part.

APPLICATIONS

- Flat surface grinding
- Light pressure / blending
- Weld grinding / blending
- Heavy stock removal
- Irregular surface

LIFE ●●●●●
AGGRESSION ●●●●●
PRICE/DISC ●●●●●

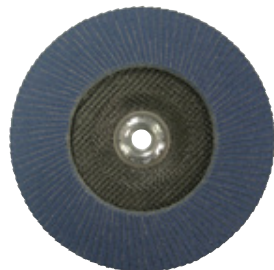


VORTEC PRO FLAP DISCS Angled Style (Type 29) / Phenolic & Aluminum Backing

High cut rate at a value price.



31350



31369

Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number	
					Phenolic Backing	Aluminum Backing
					Zirconia Alumina	
4"	5/8"	36	15,000	10	31337 ■	—
		40			31338	31302
		60			31339 ■	—
		80			31340 ■	—
		120			31341	—
4-1/2"	7/8"	24	13,000	10	31342	—
		36			31343 ■	31307 ■
		40			31344	31308
		60			31345 ■	31309 ■
		80			31346 ■	31310 ■
		120			31347	—
4-1/2"	5/8"-11 Nut	24	13,000	10	31348*	—
		36			31349*	31313*
		40			31350*	31314*
		60			31351*	31315*
		80			31352*	31316*
		120			31353*	31317*
5"	7/8"	36	12,000	10	31355	31319
		40			31356	—
		60			31357	—
		80			31358	—
		—			—	—
7"	7/8"	24	8,600	10	31360	—
		36			31361 ■	—
		40			31362	31326
		60			31363 ■	—
		80			31364 ■	—
		—			—	—
7"	5/8"-11 Nut	36	8,600	10	31367*	31331*
		40			31368*	31332*
		60			31369*	31333*
		80			31370*	31334*
		—			—	—

*Patent # 6,945,863

Key:

P PERFORMANCE LINE
Industrial Grade

V VALUE LINE
Professional Grade

V VORTEC PRO FLAP DISCS Flat Style (Type 27) / Phenolic Backing
Smooth grinding action at a value price.



Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number	
					Zirconia Alumina	
4-1/2"	7/8"	36	13,000	10	31401	
		40			31402	
		60			31403	
		80			31404	
4-1/2"	5/8"-11 Nut	36	13,000	10	31407*	
		40			31408*	
		60			31409*	
		80			31410*	
7"	7/8"	40	8,600	10	31414	
		60			31415	
7"	5/8"-11 Nut	36	8,600	10	31419*	
		40			31420*	
		60			31421*	
		80			31422*	

*Patent # 6,945,863



31402

V VORTEC PRO HD FLAP DISCS Flat Style (Type 27) / Phenolic Backing
Increased life and conformability over other Vortec Pro discs at a value price.



Diameter	Arbor Hole	Grit Size	Max. RPM	Standard Pack	Item Number	
					Zirconia Alumina	
4-1/2"	7/8"	40	12,000	10	31387	
		60			31388	
		80			31389	
4-1/2"	5/8"-11 Nut	40	12,000	10	31390*	
		60			31391*	
		80			31392*	

*Patent # 6,945,863



31390

V VORTEC PRO DISPLAY PACKS Angled Style (Type 29) / Phenolic & Aluminum Backing
Standard performance on Steel and Stainless.



Diameter	Arbor Hole	Grit Size	Max. RPM	Item Number	
				Phenolic Backing	Aluminum Backing
				Zirconia Alumina	
4"	5/8"	36	15,000	30822	—
		60		30825	—
		80		30826	—
4"	5/8-11 Nut	36	15,000	—	30821
		60		—	30823
		80		—	30824
4-1/2"	7/8"	36	13,000	30828	—
		60		30831	—
		80		30832	—
4-1/2"	5/8"-11 Nut	36	13,000	—	30827
		60		—	30829
		80		—	30830



30831

WHY WEILER

COATED ABRASIVES

BONDED ABRASIVES

BRUSHES

ABRASIVE FLAP WHEELS



Weiler's abrasive flap wheels are designed with a solid hub construction that enables wheels to be rated at higher RPM's 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
- Cleaning and reconditioning pipe threads
- Polishing, blending & finishing
- Prepping surface for painting or plating
- Edge blending



Removing burrs from the inside diameter (ID) of a cut tube.

P TIGER MOUNTED 1/4" STEM FLAP WHEELS

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



52010



52027

Diameter	Width	Grit Size	Max. RPM	Standard Pack	Item Number
					Aluminum Oxide
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
		120			52029

P TIGER MOUNTED 1/4"-20 THREADED STEM FLAP WHEELS

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



52621

Diameter	Width	Grit Size	Max. RPM	Standard Pack	Item Number
					Aluminum Oxide
1"	1"	60	30,000	10	52601
		80			52603
		120			52605
2"	1"	60	25,000	10	52611
		80			52613
3"	1"	60	20,000	10	52621
		80			52623

Key:

P PERFORMANCE LINE
Industrial Grade

V VALUE LINE
Professional Grade

VORTEC Pro

GREAT VALUE AT THE RIGHT PRICE

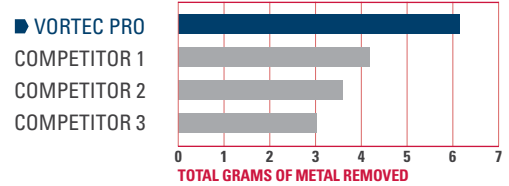
Vortec Pro Flap Wheels offer a high cut rate at a cost-effective price. The smart option for use in medium production environments.

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

VORTEC PRO FLAP WHEELS OUTPERFORM

3"x1", 60 GRIT FLAP WHEEL PERFORMANCE OVER 30 MINUTES



Performance comparison based on automated lab testing completed by Weiler.

V VORTEC PRO 1/4" STEM MOUNTED FLAP WHEELS

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

Diameter	Width	Grit Size	Max. RPM	Standard Pack	Item Number
					Aluminum Oxide
1"	1"	60	30,000	10	30720
		80			30721
		120			30722
2"	1"	60	25,000	10	30723
		80			30724
		120			30725
3"	1"	60	23,000	10	30726
		80			30727
		120			30728



30726

V VORTEC PRO 1/4"-20 THREADED STEM MOUNTED FLAP WHEELS

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

Diameter	Width	Grit Size	Max. RPM	Standard Pack	Item Number
					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



30735

DRIVE ARBOR

For 1/4"-20 Thread Mounted Flap Wheels.

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



07756

NOTE

- 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.

WHY WEILER

COATED ABRASIVES

BONDED ABRASIVES

BRUSHES

RESIN FIBER DISCS

Weiler's premium resin fiber discs are suitable for light grinding, blending, surface preparation and finishing on a variety of materials.

APPLICATIONS

Saber Tooth™ Ceramic Alumina: Cool, fast cutting action on Aluminum, Stainless Steel and other hard-to-grind metals.

Zirconia Alumina: High performance grinding of Stainless Steel, tool Steel and hard-to-grind materials.

Aluminum Oxide: All purpose weld blending, grinding, surface preparation and finishing of metals, plastic, wood and fiberglass.



Blending welds on the corner of a Steel furniture frame.



SABER TOOTH RESIN FIBER DISCS

These coated abrasive discs are designed for cool, fast weld blending, grinding, surface preparation and finishing on Aluminum, Stainless Steel and other hard-to-grind metals.



Diameter	Arbor Hole	Grit Size	Std. Pack	Item Number - Ceramic Alumina
4-1/2"	7/8"	24	25	59550
		36		59551
		50		59552
		60		59553
		80		59554
5"	7/8"	24	25	59557
		36		59558
		50		59559
		60		59560
		80		59561
7"	7/8"	24	25	59564
		36		59565
		50		59566
		60		59567
		80		59568



59557



RESIN FIBER DISCS

Ideal for blending, finishing and surface preparation.



Diameter	Arbor Hole	Grit Size	Standard Pack	Item Number	
				Zirconia Alumina	Aluminum Oxide
4"	5/8"	24	25	—	59491
		36		—	59492
		50		—	59493
		60		—	59494
		80		—	59495
		120		—	59497
4-1/2"	7/8"	24	25	59731	59571
		36		59732	59573
		50		59733	59575
		60		—	59576
		80		—	59577
		100		—	59578
5"	7/8"	120	25	—	59579
		16		—	59500
		24		59701	59501
		36		59702	59503
		50		—	59505
		60		—	59506
7"	7/8"	80	25	—	59507
		100		—	59508
		16		—	59520
		24		59711	59521
		36		59712	59523
		50		—	59525
9"	7/8"	60	25	—	59526
		80		—	59527
		100		—	59528
		120		—	59529
		16		—	59540
		36		59722	59543



59732



59503

Do not exceed maximum RPM of back-up pad.

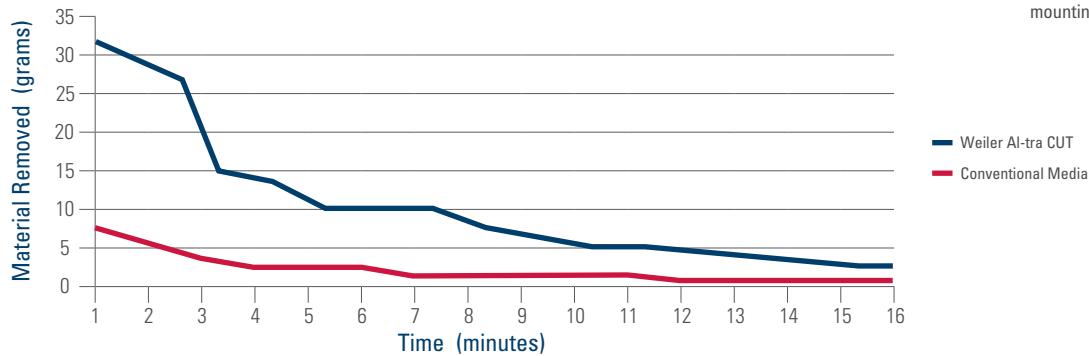
AL-TRA CUT™ DISCS

Weiler's Al-tra CUT discs are specially formulated for superior grinding performance on Aluminum. AL-tra CUTs **improve grinding on Aluminum 400-800%**! These revolutionary discs resist loading, ensure higher cut rates, prolong disc life and achieve a superior finish compared to conventional sanding and grinding discs in the market. AL-tra CUT discs outlast conventional resin fiber discs 5 to 1.

ALUMINUM APPLICATIONS

- Weld blending
- Grinding
- Deburring
- Finishing

MATERIAL REMOVED VS. TIME



Blending welds and saw marks on a mounting bracket.

WHY WEILER

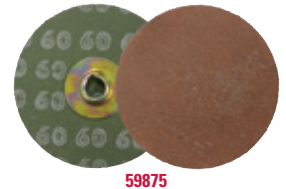
COATED ABRASIVES

BONDED ABRASIVES

BRUSHES

P 2" & 3" AL-TRA CUT DISCS

Diameter	Grit Size	Standard Pack	Item Number	
			Aluminum Oxide	
			Metal Hub*	Plastic Button*
2"	36	50	59869	59806
	60		59870	59807
	80		59871	59808
	120		—	59809
3"	36	25	59874	59811
	60		59875	59812
	80		59876	59813
	120		59877	59814



P 4-1/2" & 7" AL-TRA CUT DISCS

Diameter	Arbor Hole	Grit Size	Standard Pack	Item Number
				Aluminum Oxide
4-1/2"	7/8"	36	25	59821
		60		59823
		80		59824
		120		59826
7"	7/8"	36	25	59862
		60		59864
		80		59865

Do not exceed maximum RPM of back-up pad.
Do not store AL-tra Cut discs above 120° F.



ACCESSORIES FOR RESIN FIBER & AL-TRA CUT 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



Blending surface imperfections prior to painting.

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.

APPLICATIONS

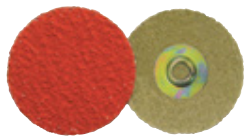
Saber Tooth™ Ceramic Alumina:
Cool, fast cutting action on Aluminum, Stainless Steel and other hard-to-grind metals.

Zirconia Alumina:
High performance grinding of Stainless Steel, tool Steel and hard-to-grind materials.

Aluminum Oxide:
All purpose weld blending, grinding, surface preparation and finishing of metals, plastic, wood and fiberglass.

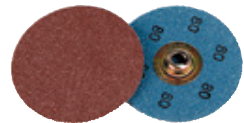
P SABER TOOTH BLENDING DISCS Plastic Button / Metal Hub Style

For Aluminum, Stainless and other hard-to-grind metal applications.



60150

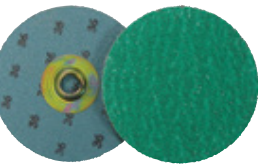
Diameter	Grit Size	Standard Pack	Item Number	
			Ceramic Alumina	
			Metal Hub	Plastic Button
2"	36	100	60150	60170
	60		60151	60171
	80		60152	60172
3"	36	50	60155	60175
	60		60156	60176
	80		60157	60177



60044

P BLENDING DISCS Metal Hub Style

For Aluminum, Stainless and other hard-to-grind metal applications.

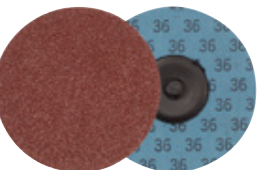


60391

Diameter	Grit Size	Standard Pack	Item Number	
			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

P BLENDING DISCS Plastic Button Style

For Aluminum, Stainless and other hard-to-grind metal applications.



60131

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

BACK-UP PADS 1/4" Stem



60508

Diameter	Max. RPM	Standard Pack	Metal Hub	Plastic Button
			Item Number	Item Number
2"	25,000	1	60508	51551
3"	20,000	1	60509	51552

Do not exceed maximum RPM of back-up pad.

Do Not store AL-tra Cut Discs above 120° F.

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

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



**COATED
ABRASIVES**

BONDED ABRASIVES



CUTTING WHEELS | GRINDING WHEELS

SELECTING A BONDED WHEEL

Specifically designed for general purpose grinding & cutting applications requiring heavy material removal such as rough grinding, weld removal, snagging, cutting and parting. All Weiler bonded abrasives are resin formulated for aggressive stock removal, fast cutting and reinforced with fiberglass webbing for stability.

TYPE 27 – DEPRESSED CENTER
5/8"-11 hub option



TYPE 1 – CUTTING
For use with mounting mandrels or adapting nut assembly



GRAIN SELECTION

Medium High
CUT RATE

A	WA	Z
ALUMINUM OXIDE: For use on all metals except Titanium and Ductile Iron	WHITE ALUMINUM OXIDE: Longer wheel life on metals except Titanium & Ductile Iron	ZIRCONIA ALUMINA: For higher cut rates in high pressure applications (Type 27 only)

GRIT SELECTION

Extra Coarse Fine

16	24	30	36	46	60
EXTRA COARSE: Most aggressive cutting and maximum wheel life	COARSE: For fast, aggressive cutting and maximum wheel life	MEDIUM/COARSE: For fast cutting and long wheel life	MEDIUM/COARSE: Excellent for general purpose cutting	FINE/MEDIUM: For a smoother finish and reduced burr	FINE: For a burr-free cut

GRADE SELECTION

SOFT (Fast/Clean Cut) HARD (Last Longer)

N	R	S-V
SOFT: For maximum cut rate	MEDIUM/HARD: For cutting large cross sections; improved stock removal rate	HARD: For maximum wheel life

CUTTING WHEELS



Cutting a piece of Steel tubing to length.

For general purpose cutting applications on Steel, Iron, and other ferrous metals. Formulated for aggressive stock removal and fast cutting and reinforced with fiberglass webbing for stability.

APPLICATIONS

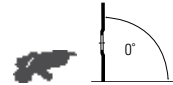
- Weld removal
- Cutting and parting
- Notching



56388

P THIN CUTTING WHEELS Depressed Center (Type 27)

For fast, burr-free cutting with longer life and less resistance on various metals.



Diameter	Wheel Thickness	Arbor Hole	Type	Max. RPM	Std. Pack	Item Number	
						Zirconia Alumina	
4-1/2"	.045"	7/8"	Z46T - Metal	13,300	25	56389	
5"	.045"	7/8"	Z46T - Metal	12,200	50	56388	
7"	.060"	7/8"	Z36T - Metal	8,500	25	56387	



56283

V VORTEC PRO® THIN CUTTING WHEELS Depressed Center (Type 27)

For general purpose, burr-free cutting with less resistance on various metals.



Diameter	Wheel Thickness	Arbor Hole	Type	Max. RPM	Std. Pack	Item Number	
						Aluminum Oxide	
4-1/2"	.045"	7/8"	WA60S - Metal	13,300	25	56393*	
5"	.045"	7/8"	WA60S - Metal	12,200	100	56392*	
6"	.045"	7/8"	WA60S - Metal	10,200	25	56283*	
7"	.060"	7/8"	WA60S - Metal	8,500	25	56391*	

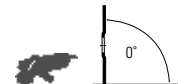
*Contaminant-free.



56385

V VORTEC PRO® CUTTING WHEELS Depressed Center (Type 27)

For general purpose cutting on ferrous metals.



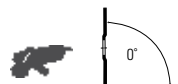
Diameter	Wheel Thickness	Arbor Hole	Type	Max. RPM	Std. Pack	Item Number	
						Aluminum Oxide	
4"	3/32"	5/8"	A24T - Metal	15,200	25	56474	
4-1/2"	3/32"	5/8"-11	A24T - Metal	13,300	10	56385	
						56475	
5"	3/32"	5/8"-11	A24T - Metal	12,200	10	56384	
						56476	
6"	3/32"	5/8"-11	A24R - Metal	10,200	10	56278	
						56277	
7"	3/32"	5/8"-11	A24R - Metal	8,500	10	56477	
						56383	



56430

V VORTEC PRO® CUTTING & NOTCHING WHEELS Depressed Center (Type 27)

General purpose light grinding and cutting. For root pass cutting and light grinding.



Diameter	Wheel Thickness	Arbor Hole	Type	Max. RPM	Std. Pack	Item Number	
						Aluminum Oxide	
4-1/2"	1/8"	5/8"-11	A24R - Metal	13,300	10	56429	
						56430	
5"	1/8"	5/8"-11	A24T - Metal	12,200	10	56427	
						56428	
7"	1/8"	5/8"-11	A24T - Metal	8,500	10	56425	
						56426	
9"	1/8"	5/8"-11	A24T - Metal	6,600	10	56423	

V **VORTEC PRO® SMALL CUTTING WHEELS** Reinforced (Type 1)
General purpose cutting applications in tool rooms and machine shops.



Diameter	Wheel Thickness	Arbor Hole	Type	Max. RPM	Std. Pack	Item Number
						Aluminum Oxide
2"	.035"	1/4"	WA60T - Metal	30,000	100	56013*
	1/16"	1/4"	A36T - Metal			56015
	1/4"	3/8"	A36T - Metal			56131
3"	.035"	1/4"	WA60T - Metal	25,000	100	56061*
	.035"	3/8"	WA60T - Metal			56062*
	1/16"	1/4"	A36T - Metal			56065
	1/16"	3/8"	A36T - Metal			56068
	1/8"	3/8"	A36T - Metal			56076
	1/8"	1/4"	A36T - Metal			56270
4"	.035"	5/8"	WA60T - Metal	19,000	50	56271*
	.035"	3/8"	WA60T - Metal			56080*
	1/16"	3/8"	A36T - Metal			56086
	1/4"	3/8"	A36T - Metal			56163
	1/8"	3/8"	A36T - Metal			56099
4-1/2"	.045"	7/8"	WA60T - Metal	13,500	50	56281*
	1/16"	7/8"	A60T - Metal			56103
5"	.035"	5/8"	WA60T - Metal	12,200	100	56108*
	1/16"	7/8"	A36T - Metal			56118

*Contaminant-free.



56013



56103



56282

V **VORTEC PRO® THIN CUTTING WHEELS** Reinforced (Type 1)
General purpose metal applications in tool rooms and machine shops.



Diameter	Wheel Thickness	Arbor Hole	Type	Max. RPM	Std. Pack	Item Number
						Aluminum Oxide
6"	.040"	7/8"	WA60T - Metal	10,200	25	56282*
	.045"	7/8"	WA60T - Metal			56273*
7"	.045"	7/8"	WA60T - Metal	8,740	25	56275*

*Contaminant-free. DIA. = 5/8" arbor with diamond knockout adapter for circular saws.

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*
1/4", 3/8"+	.035" to 1/4"	1	36512+

*Combination pack +Display packaged



56489

Key:

P PERFORMANCE LINE Industrial Grade **V** VALUE LINE Professional Grade

WHY WEILER

COATED ABRASIVES

BONDED ABRASIVES

BRUSHES

GRINDING WHEELS



Grinding out weld defects for repair.

For general purpose grinding applications on Steel, Iron, and other ferrous metals. Formulated for aggressive stock removal and fast grinding and reinforced with fiberglass webbing for stability.

APPLICATIONS

- Weld removal
- Rough grinding
- Notching



56453

P GRINDING WHEELS Depressed Center (Type 27)

High performance grain that cuts faster with long life. For general purpose, rough grinding.



Diameter	Wheel Thickness	Arbor Hole	Type	Max. RPM	Std. Pack	Item Number
						Zirconia Alumina
4-1/2"	1/4"	5/8"-11	Z24T - Metal	13,300	10	56453
		7/8"				56456



56464

V VORTEC PRO® GRINDING WHEELS Depressed Center (Type 27)

For general purpose, rough grinding.



Diameter	Wheel Thickness	Arbor Hole	Type	Max. RPM	Std. Pack	Item Number
						Aluminum Oxide
4"	1/4"	5/8"	A24R - Metal	15,200	25	56473
4-1/2"	1/4"	5/8"-11	A24R - Metal	13,300	10	56454
		7/8"				56464
4-1/2"	1/4"	5/8"-11	A24N - Metal	13,300	10	56455
		7/8"				56457
5"	1/4"	5/8"-11	A24R - Metal	12,200	10	56449
		7/8"				56466
6"	1/4"	5/8"-11"	A24R - Metal	10,200	10	56279
		7/8"				56280
7"	1/4"	5/8"-11	A24R - Metal	8,500	10	56468
		7/8"				56467
9"	1/4"	5/8"-11	A24R - Metal	6,600	10	56470



56468

V **VORTEC PRO® LARGE REINFORCED CUT-OFF WHEEL** Reinforced (Type 1)
General purpose - For stationary machines.



Diameter	Wheel Thickness	Arbor Hole	Type	Max. RPM	Std. Pack	Item Number
						Aluminum Oxide
14"	1/8"	1"	A30R - Metal	4,400	10	56230



56239

V **VORTEC PRO® LARGE REINFORCED CUT-OFF WHEELS** Reinforced (Type 1)
General purpose - For low horsepower chop saws.



Diameter	Wheel Thickness	Arbor Hole	Type	Max. RPM	Std. Pack	Item Number
						Aluminum Oxide
12"	3/32"	1"	A46T - Metal	5,100	10	56239
14"	3/32"	1"	A46T - Metal	4,400	10	56240

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

Adapts To	Min. Wheel Thickness	Standard Pack	Item Number
7/8" to 5/8"-11	1/16"	1	56494
5/8" to 3/8"-24	1/16"	1	56484

When mounting, adapters must be nested, see illustration below.



56494

56495



WHY WEILER

COATED ABRASIVES

BONDED ABRASIVES

BRUSHES

POWER BRUSHES



CLEANING BRUSHES | KNOT WIRE WHEELS | WIRE CUP BRUSHES | STEM MOUNTED END BRUSHES | CRIMPED WIRE WHEELS

SELECTING THE RIGHT BRUSH

Need to clean a surface without removing base material? Nothing beats a power-driven wire brush for cleaning hot welds. The high quality wheels, end and cup brushes from Weiler can effectively handle tube end, corrosion, scale removal, inter-pass weld cleaning, and many other jobs. The varied trim lengths, knot configurations and wire sizes in our lineup offer optimal speed and effectiveness for any job.

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.

V 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. Vortec Pro® brushes are an economical choice for the construction trades, low volume production shops and light duty industrial MRO use.

KNOT CONFIGURATIONS



Standard Twist

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



Hurricane® Twist

Provides smoother operation but sacrifices much of the cleaning action.



Cable Twist

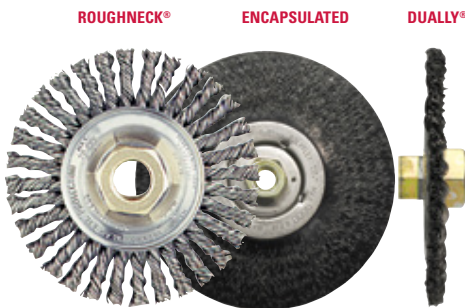
Provides very aggressive brushing action. Sharp wire tips make this knot aggressive right from the start.



Stringer Bead Twist

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

BRUSH TYPES



Page 36-38

Stringer Bead Wheels

For **root and hot pass weld cleaning**, heavy deburring, deflashing, surface prep, remove oxides and rust.



Page 39

Bevel Brushes

For aggressive-yet-flexible brushing action for **cleaning fillet welds** and into corners.



Page 40-41

Cup Brushes

For **weld prep on large surface areas**, heavy deburring, surface prep, remove oxides and rust.



Page 42-43

End Brushes

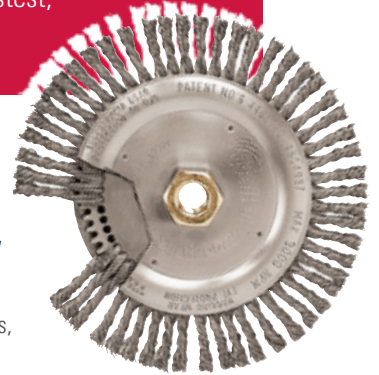
For weld cleaning **applications in recessed areas**, heavy deburring, surface prep, remove oxides and rust.

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.

WEILER ROUGHNECK®

MADE IN USA



Weiler's Roughneck brush construction virtually eliminates knot movement resulting in the most effective cleaning action, smoothest operation, and longest wheel life.

Offered in a variety of widths for efficient use in inter-pass weld cleaning operations, our entire line of Roughnecks excel at removing slag, spatter, and oxidation without damaging the filler material. They are engineered to maximize your efficiency and minimize your costs.



13131



09000



08776



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 wheels can be used for cleaning filler and cap passes as well as for other surface prep and cleaning applications.



Diameter	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Thickness at Face Plates	Max. RPM	Standard Pack	Item Number	
									Steel	Stainless
Root Pass Brushes										
4"	.020	1/2"-3/8" M10 x 1.25 M10 x 1.50 M14 x 2.0 3/8"-24 UNF 1/2"-13 UNC 5/8"-11 UNC	32	3/16"	7/8"	7/16"	20,000	5	13124	08954*
									13125 ■	13132
									13126	13133
									13127	13134
									13128	13135
									13130	13137
									13131 ■	13138 ■
4-1/2"	.020	5/8"-11 UNC M14 x 2.0 7/8"	38	3/16"	13/16"	3/8"	15,000	5	13232	13238
									13233	13239
									13234	13249
5"	.020	5/8"-11 UNC 7/8"	38	3/16"	7/8"	3/8"	12,500	5	08756	08806
									08750	-
6"	.020	5/8"-11 UNC	48	3/16"	1-1/8"	3/8"	12,500	10	08766†	-
			38		1-3/8"				08786†•	
			56		1-1/8"				09500	
6-7/8"	.020	5/8"-11 UNC	56	3/16"	1-1/8"	7/16"	9,000	10	09000 ■	09200
			76						-	09100
Filler Pass Brushes										
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		1-3/8"				08776 ■	08796•
		5/8"-11 UNC	30		1-1/4"				08916	08926•
		5/8"-11 UNC	30		1-3/8"				09386	09396•

† Light Duty • Standard Pack 5 * Standard Pack 10
 ■ Available in Display Packaging. Add "P" to end of Item Number when placing order.



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.



35216

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

▲ Stringer Bead Wheels

THE DUALLY® FROM WEILER

Featuring a unique dual-hex nut, this full line of weld cleaning brushes simplifies periodic flipping of the wheels for maximum cutting action, long life, and safer use.

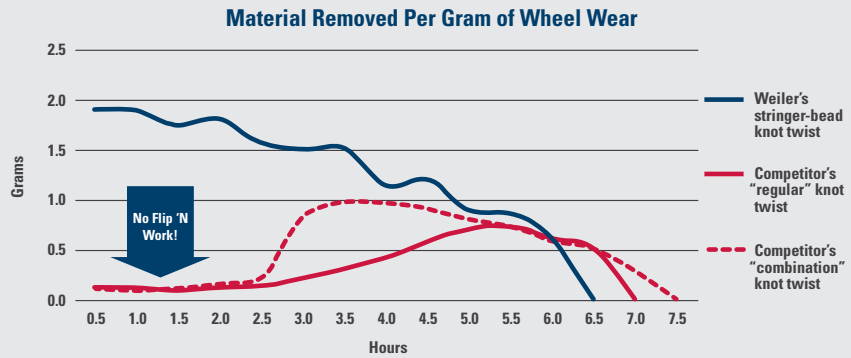


These "Flip 'N Fast" Wheels offer:

- **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.

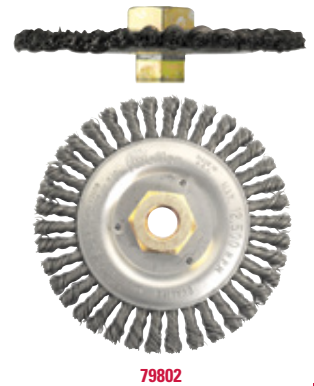
The Dually features a wire twist that produces the fastest, most effective cleaning action right out of the box!

Competing knot styles feature much less effective knot twists. As the graph shows, it is only after these brushes have been used for a long enough period of time for wire breakage to occur that they go to work.



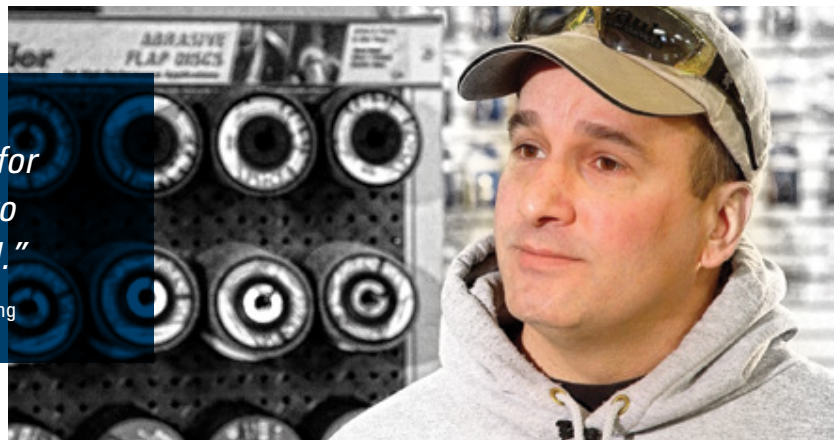
P **DUALLY STRINGER BEAD WHEELS** feature a dual-hex nut design that simplifies periodic flipping of the wheel for maximum cleaning action, long life, and safer use.

Diameter	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Thickness at Face Plates	Max. RPM	Standard Pack	Item Number	
									Steel	Stainless
Root Pass Brushes										
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



"I have been in the business for 20+ years and I find Weiler to be the best I have ever used."

- **Andy Bettelli**, Pipeline Contractor, A B Welding



WHY WEILER

COATED ABRASIVES

BONDED ABRASIVES

BRUSHES

V **VORTEC PRO® 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.



36218

Diameter	Wire Size	Wire Type	Arbor Hole	Face Width	Max. RPM	Item Number	
						Display Pack	Box Quantity
4"	.020" Coarse	Carbon	5/8"-11	Narrow	20,000	36018	36218
		Stainless	5/8"-11			-	36219
		Carbon	M10 x 1.25			36021	36221
		Carbon	M10 x 1.50			-	36222
		Carbon	M14 x 2.0			-	36223
5"	.020" Coarse	Carbon	5/8"-11	Narrow	12,500	-	36295
		Stainless				-	36296
6"	.020" Coarse	Carbon	5/8"-11	Narrow	12,500	-	36225
		Carbon				-	36307**
6-7/8"	.020" Coarse	Carbon	5/8"-11	Narrow	9,000	-	36297

**Light Duty



"I can honestly say I have never replaced one Weiler cup brush or stringer bead brush. I have never seen complaints from a customer where they say this failed or this abrasive started to fall apart."

- **Richard Albright**, Branch Manager, Haun Welding Supply

KNOT WIRE WHEELS

Weiler's 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 and Type 302 Stainless Steel wire for use in a wide variety of applications.

MADE IN USA



Cleaning a fillet weld with a bevel brush.

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

P STANDARD TWIST BEVEL BRUSHES feature a tufted knot end and a saucer shaped radial wheel to provide an aggressive-yet-flexible brushing action for cleaning fillet welds and into corners.



Diameter	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Max. RPM	Std. Pack	Item Number	
								Steel	Stainless
4"	.014	M10 x 1.25	20	3/8"	3/4"	12,500	1	13401	–
		M10 x 1.50						13402	13412
		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
	.020							13476	13486



13456

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



Dia.	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Max. AH Avail.	Thickness at Face Plates	Max. RPM	Std. Pack	Item Number	
										Steel	Stainless
4"	.020	M10 x 1.25	24	1/4"	7/8"	1/2"	7/16"	20,000	5	13261	–
		M10 x 1.50								–	13272
		5/8"-11 UNC								13266 ■	13276

■ Available in display packaging. Add "P" to end of item number when placing order.



13266

V VORTEC PRO® CABLE TWIST WHEELS provide the most aggressive brushing action for general purpose cleaning and surface preparation applications.



Diameter	Wire Size	Wire Type	Arbor Hole	Face Width	Max. RPM	Item Number	
						Display Pack	Box Quantity
4"	.020" Coarse	Carbon	M10 x 1.50	Medium	20,000	–	36257
			M10 x 1.25			–	36258
			5/8"-11			36055	36255



36255

Key:

P PERFORMANCE LINE Industrial Grade **V** VALUE LINE Professional Grade

WHY WEILER

COATED ABRASIVES

BONDED ABRASIVES

BRUSHES

WIRE CUP BRUSHES



Removing slag from a flame-cut Steel plate.

**MADE IN
USA**

Weiler's wire cup brushes are intended primarily for use on portable power tools for addressing larger surface areas more efficiently than a wheel brush. Cup brushes are designed for smooth, efficient operation on angle grinders to make quick work of large jobs.

Cup brushes 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 cup brushes are available in heat-treated Steel, Type 302 Stainless Steel, and Brass wire.

APPLICATIONS

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

P

KNOT WIRE CUP BRUSHES Single Row

Provide heavy-duty brushing action with some flexibility; ideal for demanding cleaning applications on relatively flat surfaces.



13016



13156



12276

Diameter	Wire Size	Arbor Hole	Trim Length	Max. RPM	Standard Pack	Item Number		
						Steel	Stainless	Bronze
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 ■	—	—
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	13299
3-1/2"	.023	M10 x 1.25	7/8"	13,000	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 .020	5/8"-11 UNC	1-1/4"	9,000	1	12736	—	—
						12746	—	—
4"	.014 .020 .023 .035	5/8"-11 UNC	1-1/4"	10,200	1	12306	12406	—
						—	—	12776
						12316 ■	12416	—
						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 .023	5/8"-11 UNC	1-3/8"	9,000	1	12256*	—	—
						12276 ■*	—	—
6"	.014 .023 .035	5/8"-11 UNC	1-3/8"	6,600	1	12356	12456	—
						12376 ■	12476	—
						12396	—	—
6"	.023	5/8"-11 UNC	1-3/8"	6,600	1	12816*	—	—
6"	.014 .023 .035	5/8"-11 UNC	1-5/8"	6,000	1	12846	—	—
						12856	12886	—
						12866	—	—

* With internal nut

♦ Cable Twist

■ Available in Display Packaging. Add "P" to end of Item Number when placing order.

V VORTEC PRO® KNOT WIRE CUP BRUSHES Single Row

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



Diameter	Wire Size	Wire Type	Arbor Hole	Max. RPM	Item Number	
					Display Pack	Box Quantity
2-3/4"	.020" Coarse	Carbon	5/8"-11	14,000	36038	36238
		Stainless	5/8"-11		36039	36239
		Carbon	M14 x 2.0		36043	-
3-1/2"	.020" Coarse	Carbon	5/8"-11	13,000	36066	-
4"	.025" Coarse	Carbon	5/8"-11	10,200	36044	36244
5"	.023" Coarse	Carbon	5/8"-11	7,000	36070	-
6"	.025" Coarse	Carbon	5/8"-11	6,600	36045	36245



36244

P 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.



Diameter	Wire Size	Arbor Hole	Trim Length	Max. RPM	Standard Pack	Item Number		
						Steel	Stainless	Brass
3-1/2"	.014	M10 x 1.25	7/8"	12,000	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 .014 .020	5/8"-11 UNC	1-3/8"	10,200	1	14016	-	-
						14026	-	-
						14036 ■▲	14126	-
5"	.014 .014 .020	5/8"-11 UNC	1-1/4"	8,000 9,000	1	-	-	14606
						14206 ▲	-	-
						14216	14256	-
6"	.014 .020	5/8"-11 UNC	1-1/4"	6,600	1	14066 *▲	-	-
						14076 ■*	14166*	-

* With internal nut

■ Available in display packaging. Add "P" to end of item number when placing order.

▲ Available in non-sparking Bronze wire.



14026

V VORTEC PRO CRIMPED WIRE CUP BRUSHES

Provide flexible brushing action and cost-effective performance in general purpose cleaning applications.



Diameter	Wire Size	Wire Type	Arbor Hole	Max. RPM	Item Number	
					Display Pack	Box Quantity
3-1/2"	.014" Coarse	Carbon	5/8"-11	12,000	36068	-
4"	.020" Coarse	Carbon	5/8"-11	9,000	36036	36236
5"	.020" Coarse	Carbon	5/8"-11	9,000	36061	-
6"	.020" Coarse	Carbon	5/8"-11	6,600	36037	36237



36037

P 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 UNC	10	07746

■ Available in display packaging. Add "P" to end of item number when placing order.



07771

WHY WEILER

COATED ABRASIVES

BONDED ABRASIVES

BRUSHES

STEM-MOUNTED END BRUSHES



Cleaning hard-to-reach fillet welds with a Controlled Flare End Brush.

Weiler's wire end brushes are intended primarily 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.

MADE IN USA

End brushes 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 wire.

APPLICATIONS

- Cleaning ID's, internal passages & recessed areas
- Deburring internal edges and cross-hole intersections
- Removing die flash and excess molded material
- Spot facing

P KNOT WIRE END BRUSHES

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



10026

Diameter	Wire Size	Trim Length	Max. RPM	Standard Pack	Item Number		
					Steel	Stainless	Bronze
1/2"	.006	1-1/8"	20,000	10	—	10215	—
	.0104				10208	10216	—
	.014				10217	10218	—
3/4"	.006	1-1/8"	20,000	10	—	10220	—
	.0104				10210	10211	—
	.014	7/8"	22,000	10025 ■	10029	—	
	.014			—	10387 ◆	—	
	.020			10026 ■	10030	—	
	.020			—	10388 ◆	—	
1-1/8"	.006	1"	20,000	10	10141	10142 •	—
	.0104	1-1/8"			10212	10213	—
	.0118	7/8"	22,000	10187	—	—	
	.014			10027 ■	10031	—	
	.014			—	10392 ◆	—	
	.020			10028 ■	10032	10067	
	.020			—	10393 ◆	—	

- ◆ Nickel-plated cup compliant with DOD MIL STD 2041D(SH)
- Available in display packaging. Add "P" to end of item number when placing order.
- Coated Cup

V VORTEC PRO® KNOT WIRE END BRUSHES

Features a similar hollow-end construction and provides heavy-duty brushing action, but have been engineered to provide cost-effective use for less demanding applications.



36251

Diameter	Wire Size	Wire Type	Trim Length	Max. RPM	Item Number	
					Display Pack	Box Quantity
3/4"	.014" Fine	Carbon	7/8"	22,000	—	36286
	.014" Fine	Stainless			—	36287
	.020" Coarse	Carbon			36050	36250
1"	.014" Fine	Carbon	7/8"	22,000	—	36288
	.014" Fine	Stainless			—	36289
	.020" Coarse	Carbon			36051	36251

P KNOT WIRE END BRUSHES Banded

Features 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.



11141

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

* Trim length from bands

P CRIMPED WIRE END BRUSHES

Features a solid end construction and very flexible brushing, ideal for more demanding light-duty cleaning applications in corners and hard-to-reach areas.



Diameter	Wire Size	Trim Length	Max. RPM	Standard Pack	Item Number	
					Steel	Stainless
1/2"	.006	7/8"	25,000	10	10001	10370 ◆
	.0104				10002	10371 ◆
	.014				10003	10372 ◆
	.020				10004	10373 ◆
3/4"	.006	7/8"	22,000	10	10005	10374 ◆
	.0104				10006	10375 ◆
	.014				10007	10376 ◆
	.020				10008	10377 ◆
1"	.006	1"	22,000	10	10009	10378 ◆
	.0104				10010	10379 ◆
	.014				10011	10380 ◆
	.020				10012 ■	10381 ◆
		1-1/8"				

◆ Nickel-plated Cup compliant with DOD MIL STD 2041D(SH)

■ Available in display packaging. Add "P" to end of item number when placing order.



10374

V VORTEC PRO® CRIMPED WIRE END BRUSHES

Features similar solid end construction and flexible brushing action, but they have been engineered to provide cost-effective use for less demanding applications.



Diameter	Wire Size	Wire Type	Trim Length	Max. RPM	Item Number	
					Display Pack	Box Quantity
1/2"	.0104" Medium	Carbon	7/8"	25,000	—	36282
3/4"	.006" Fine	Stainless	7/8"	22,000	—	36283
	.0104" Medium	Carbon			36047	36247
	.014" Coarse	Carbon			36046	36246
1"	.006" Fine	Carbon	7/8"	22,000	—	36284
	.006" Fine	Stainless			—	36285
	.0104" Medium	Carbon			36049	36249
	.014" Coarse	Carbon			36048	36248



36247

P CONTROLLED FLARE END BRUSHES*

Features uniquely trimmed crimped wire fill for more effective brushing action and greatly enhanced durability when cleaning corners and fillet welds.



Diameter	Wire Size	Trim Length	Max. RPM	Standard Pack	Item Number	
					Steel	Stainless
1/2"	.0104	7/8"	25,000	10	10301	10313
	.014				10302	10314
	.020				10303	10315
3/4"	.0104	7/8"	22,000	10	10305	10317
	.014				10306	—
	.020				10307	10319
1"	.0104	1"	22,000	10	10309	10321
	.014				10310	10322
	.020	1-1/8"			10311	10323

*Patent #8,186,000 B2



10310

Key:

P PERFORMANCE LINE Industrial Grade
V VALUE LINE Professional Grade

WHY WEILER

COATED ABRASIVES

BONDED ABRASIVES

BRUSHES

CRIMPED WIRE WHEELS



Removing carbon build-up from an engine.

Identifiable by their copper center, crimped wire wheels are used on a variety of portable tools and stationary machines. These radial brushes are available in heat-treated Steel, Type 302 Stainless Steel and Brass wire.

**MADE IN
USA**

APPLICATIONS

- Cleaning threads
- Cleaning and finishing ID's and recessed areas
- Paint removal and surface cleaning
- Light deburring
- Removing rust and light corrosion
- Removing carbon build-up and deposits

P SMALL DIAMETER WHEELS

Provides a flexible brushing action and consistent performance for light-duty cleaning and deburring applications requiring a small wheels.



15533

Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	Max. RPM	Std. Pack	Item Number	
							Steel	Stainless
2"	.006	1/2"	3/8"	1/2"	20,000	10	15433	–
	.0104	1/2"					15453	–
	.014	1/2"-3/8"					15473	–
3"	.006	1/2"-3/8"	5/8"	1"	20,000	10	15533	16933
	.006	5/8"		15/16"			15637	–
	.0104	1/2"		1"			15553	–
	.014	1/2"-3/8"		1"			15573	16973



07721

THREADED SHAFT DRIVE ARBOR

For mounting small diameter wheels into a collet or chuck.



Arbor Dia.	Stem Dia.	Stem Length	Length of Shaft	For Brushes w/ Max. Dia.	Max. RPM	Std. Pack	Item Number
1/2"	1/4"	7/8"	3/4"	3"	20,000	5	07721

P CONFLEX BRUSHES

Small diameter copper center wheels permanently mounted onto a 1/4" stem to provide a very flexible brushing action.



17641

Dia.	Wire Size	Face Width	Trim Length	Max. RPM	Std. Pack	Item Number		
						Steel	Stainless	Brass
2"	.006	3/8"	1/2"	20,000	10	17609	–	–
	.0118					17610	17611	–
3"	.008	1/2"	1"	20,000	10	17615 ■	–	–
	.0118					17616	–	17641
	.014					17617 ■	17618	–

■ Available in display packaging. Add "P" to end of item number when placing order.

P WIDE FACE CONFLEX BRUSHES

Small diameter copper center wheels permanently mounted onto a 1/4" stem to provide a very flexible brushing action.



17637

Dia.	Wire Size	Face Width	Trim Length	Max. RPM	Std. Pack	Item Number	
						Steel	Stainless
2"	.0118	3/4"	7/16"	20,000	10	17619	–
3"	.008	1"	15/16"	20,000	10	17621	17637
	.0118					17622	–
	.014					17623	–



HAND BRUSHES

SCRATCH BRUSHES | CHIP & OIL BRUSHES

SCRATCH BRUSHES

Weiler's extensive Scratch Brush offering includes many block and handle types and sizes. The wide variety of fill materials available assures the right brush for the right job. Common applications are cleaning dirt, rust, scale, chips and paint; plating and welding operations.



Cleaning surface rust in order to repair a weld.

P 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 Steel 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 Wire 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 Stainless 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

* V-Groove

V 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	Item 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

P SHOE 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 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 Stainless 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 Brass Wire					
11"	5"	4 x 16	1-1/4"	12	73218•

• Plastic block



44594
Top View



44053



44055



25150



44063



44065

WHY WEILER

COATED ABRASIVES

BONDED ABRASIVES

HAND BRUSHES



25100

VORTEC PRO® SHOE HANDLE SCRATCH BRUSHES

Reliable and efficient brushes at a value price.

Block 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



44069

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



25211

VORTEC PRO HEAVY-DUTY SCRATCH BRUSH WITH SCRAPER .012 Steel Wire

Reliable and efficient brushes at a value price.

Block Size	Brush Length	Number of Rows	Trim Length	Standard Pack	Item Number
11-1/2" x 1-1/2"	5"	4 x 11	1-5/8"	12	25211



44075

SMALL HAND SCRATCH BRUSHES

Ideal for cleaning and prepping surfaces.

Block Size	Block	Number of Rows	Wire Size	Trim Length	Standard Pack	Item Number
Stainless Steel Wire						
7-1/2" x 1/2"	Plastic	3 x 7	.006	1/2"	36	44075
7-1/2" x 1/2"	Wood	3 x 7	.006	1/2"	36	44167+
7-3/4" x 3/8"	Wood	3 x 7	.006	1/2"	36	44551*
8-3/4" x 1/2"	Wood	2 x 9	.006	5/8"	36	95013
Straight Brass Wire						
7-1/2" x 1/2"	Wood	3 x 7	.006	1/2"	36	44189
Crimped Brass Wire						
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 Nylon						
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/Stainless Steel						
7-1/2" x 1/2"	Plastic	3 x 7	.006/.016	1/2"	24	44732
Double-Sided Stainless Steel/White Nylon						
7-1/2" x 1/2"	Plastic	3 x 7	.006/.016	1/2"	24	44733

*Wire drawn

+ Countertop display available.

* Wire drawn



44806

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

CHIP AND OIL BRUSHES

Chip and Oil brushes are inexpensive, multi-purpose brushes for use in applications requiring disposable brushes.



Applying pipe coating to weld seams.

P CHIP AND OIL BRUSHES

High quality disposable brushes.

Width	Thickness	Bristle Length	Standard Pack	Item Number
White Bristle - Wood Handle				
1/2"	5/16"	1-1/2"	30	40065
1"	5/16"	1-1/2"	30	40066
1-1/2"	5/16"	1-1/2"	30	40067
2"	5/16"	1-1/2"	20	40068
2-1/2"	3/8"	1-1/2"	20	40069
3"	3/8"	1-1/2"	10	40070
4"	5/8"	1-5/8"	10	40071
	3/8"	2"		40076



40068



40181



40161



40029



40141

V VORTEC PRO® CHIP AND OIL BRUSHES

Reliable and efficient brushes at a value price.

Width	Thickness	Bristle Length	Standard Pack	Item Number
White Bristle - Wood Handle				
1/2"	5/16"	1-1/2"	36	40177
1"	5/16"	1-1/2"	36	40179
1-1/2"	5/16"	1-1/2"	24	40180
2"	5/16"	1-1/2"	24	40181
2-1/2"	3/8"	1-1/2"	12	40182
3"	3/8"	1-1/2"	12	40183
4"	5/8"	1-3/4"	12	40184
	3/8"			40185
Black Bristle - Plastic Handle				
1/2"	1/4"	1-5/8"	30	40160
1"	5/16"	1-5/8"	30	40161
1-1/2"	5/16"	1-5/8"	30	40162
2"	5/16"	1-5/8"	20	40163
2-1/2"	3/8"	1-3/4"	20	40164
3"	3/8"	1-3/4"	10	40165
4"	11/16"	2"	10	40166
Grey China Bristle - Plastic Handle				
1/2"	1/4"	1-1/2"	48	40026
1"	5/16"	1-1/2"	36	40027
1-1/2"	5/16"	1-1/2"	24	40028
2"	3/8"	1-1/2"	24	40029
2-1/2"	1/2"	1-1/2"	12	40030
3"	1/2"	1-1/2"	12	40031
4"	11/16"	1-1/2"	12	40032
Black Synthetic - Red Plastic Handle				
1"	5/16"	1-3/4"	36	40137
2"	3/8"	1-3/4"	24	40139
3"	1/2"	1-3/4"	12	40140
4"	11/16"	2-3/4"	12	40141

Key:

P PERFORMANCE LINE Industrial Grade **V** VALUE LINE Professional Grade

WHY WEILER

COATED ABRASIVES

BONDED ABRASIVES

HAND BRUSHES

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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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