

METAL FABRICATION



Tenth Edition

Solutions for Cutting, Grinding, Cleaning and Finishing.

WHY WEILER



As an industry leader and global manufacturer of surface conditioning solutions, Weiler Abrasives is eager to create a collaborative partnership to overcome your toughest cleaning, grinding, cutting, de-burring, and finishing challenges.

Weiler Abrasives Group's heritage dates to 1879. Today, the tradition of excellence continues under the fourth generation of family ownership. "While the company has grown and expanded significantly since those humble beginnings, our commitment to developing long-term partnerships with customers, co-workers, and community hasn't changed." Chris Weiler, Executive Chairman, Weiler Abrasives Group.

OUR PURPOSE

To make a difference every day by Leading the Weiler Way, improving the lives of our customers, co-workers, and communities.

OUR VISION & MISSION

To be the global market leader in abrasives by being the best partner our end-users and distributors have, period.



Today Weiler Abrasives Group is a global manufacturer of surface conditioning solutions with customers in over 80 countries.

WEILER VALUE ADDED PROGRAMS

Whether you are looking to improve your surface conditioning processes, optimize your abrasives consumable spend, or train your team on the safe and proper use of abrasives and brushes Weiler Abrasives has a program to help you achieve your goals.

WCP



WEILER CONSUMABLE PRODUCTIVITY

The WCP program helps facilities find cost and time savings in their fabrication operations when they don't have the resources or process to quantify results. WCP is a proven process that effectively and efficiently measures real-world data. This program takes minimal effort to deploy in your facility because abrasives experts implement it.

Through a simple, yet effective approach the WCP program identifies improvements by evaluating your operations and how abrasives are used in your facility.

- ▶ **On-site assessment**
- ▶ **Test abrasives**
- ▶ **Quantify impact**
- ▶ **Present documented cost & time savings**

SPOT

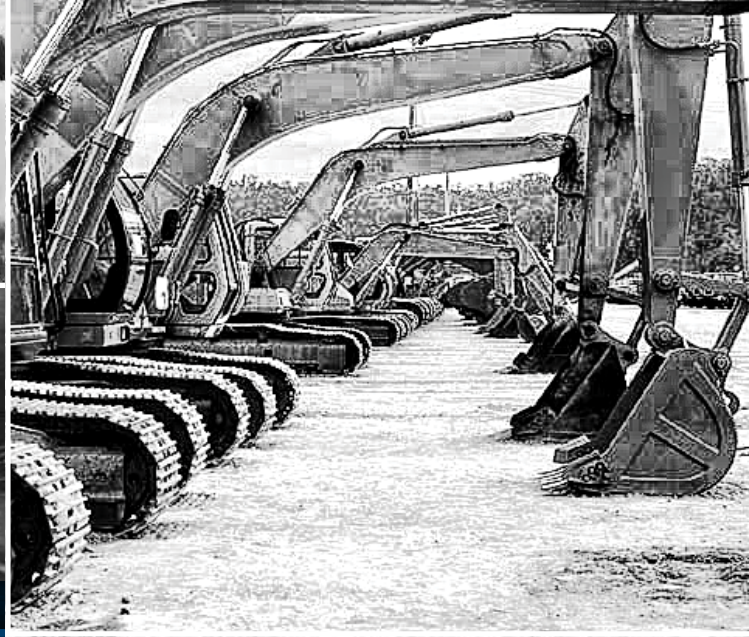


WEILER SPOT SAFETY TRAINING

The SPOT safety training program is designed to educate operators on how to use abrasives and brushes safely and effectively. The program covers information on proper usage, potential hazards, and safety tips.

By completing the SPOT Safety Training Program, participants will be able to:

- ▶ **Understand the basic principles of abrasive and brush safety**
- ▶ **Identify potential hazards before an incident occurs**
- ▶ **Implement safe work practices to avoid accidents and injuries**



Weiler Abrasives works in various Metal Fabrication industries across the globe to solve tough challenges, enabling businesses like yours to get more done, more efficiently.

General Fabrication	Power Generation
Heavy Equipment	Pressure Vessel
Manufacturing	Shipbuilding
Pipeline Construction	Transportation



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

BONDED ABRASIVES

Weiler's line of bonded abrasives deliver consistency and performance to Metal Fabrication professionals. This high quality line includes cutting, grinding and combination wheels that are available in performance tiers, offering a choice between long life, fast cut, or both.

Tiger Zirc, AO, INOX and Ceramic 2.0 wheels for right-angle grinders now offer **industry-leading cut rates along with up to 40% longer life**. A combination that reduces change-overs and gets more work done, making the people you have more efficient.

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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.

Our new **Tiger Aluminum Flap Discs** offer a paired flap design that delivers high performance grinding on aluminum. The top flaps are coated to eliminate loading and allow the disc to maintain a high cut-rate, while the alternating flaps aggressively remove material with self-sharpening zirconia aluminum grains.

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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.

Superior performance is now even easier to see. Our most popular **stainless steel brushes are now color-coded black** for easy identification, even during operation. See the items bold in black throughout this section.

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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 WPS expert visit: www.weilerabrasives.com/wps. To discuss specific requirements with a specialist call: 800-835.9999.

LEARN MORE:
WEILERABRASIVES.COM



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.



Hearing Protection



Respiratory Protection



Safety Glasses / Face Shield



Protective Clothing



Leather Gloves



Tool Guard



BONDED ABRASIVES

CUTTING WHEELS | GRINDING WHEELS | COMBO WHEELS | PIPELINE WHEELS | CUPS, CONES & PLUGS

CUT THROUGH BARRIERS BETWEEN YOU AND YOUR BEST WORK

Introducing Tiger 2.0 — An evolution in abrasives technology. It was designed to be more than just a better product. It was created to help you do your best work.

CUT THROUGH INEFFICIENCY

Tiger 2.0's unique formulation provides the same fast cutting speed, while lasting up to 40% longer. And it's industry first, patent pending optimal use line ensures you get more done with less.

CUT THROUGH SAFETY ISSUES

Tiger 2.0 delivers predictable, smooth cutting and grinding, making the work safer. And it now has a QR code so operators can access crucial safety information right where — and when — they need it.

CUT THROUGH LABOR SHORTAGES

Tiger 2.0 makes cutting and grinding easier, which means operators aren't as worn out at the end of each shift. The unique formulation also produces more consistent work from user to user, reducing training time and even re-work.

3X

*Tiger 2.0 cuts through the barriers holding you back from realizing gains while reducing costs. In some cases, users are seeing **3 times more efficiency** over their previous abrasives.*



NEW 2.0

Weiler Tiger 2.0 cutting, grinding, and combo wheels are the next evolution in abrasives.



PATENT PENDING OPTIMUM USE LINE

Using the wheel to its full life reduces change-overs, which helps users be more productive while reducing waste and abrasive spend.

NOW AVAILABLE

in AO, Zirc, Inox and Ceramic



QR code provides quick access to important safety information.

IMPROVE SAFETY



FAST SPEED + LONGER LIFE

Up to **40% longer wheel life** reduces change-overs and delivers more cuts.

ANTI-CHIPPING TECHNOLOGY

Advanced 2.0 bond formulation reduces uneven edge wear and chipping, improving user experience and extending wheel life.



Tiger 2.0

Industry Standard



WEILER WHEEL

INDUSTRY STANDARD

SELECTING THE RIGHT WHEEL

Weiler's bonded abrasive 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.



<p>P MAX PERFORMANCE SUPERIOR LIFE & CUT</p> 	<p>CUT RATE: ●●●●● LIFE: ●●●●●</p> <p>TIGER® CERAMIC Self-sharpening and cool – grinds at lower temperatures with less friction and less effort, reducing heat discoloration of the work piece.</p> <p>TIGER® PIPELINE Designed for bead and angle grinding applications on the pipeline.</p>	<p>GRAIN TYPE Ceramic alumina</p> <p>CONTAMINANT FREE CONTAIN LESS THAN 0.1% IRON, SULFUR & CHLORINE</p> <p>GRAIN TYPE Zirconia alumina + ceramic alumina infusion</p>	<p>BEST ON STEEL / METAL STAINLESS HARD-TO-GRIND</p> <p>Hard-to-Grind metals include tool steel, inconel, high nickel alloy, titanium and armored steel</p>
<p>P HIGH PERFORMANCE FAST CUT & LONG LIFE</p> 	<p>CUT RATE: ●●●●○ LIFE: ●●●●●</p> <p>TIGER ZIRC Self-sharpening grains retain a high cut rate throughout the life of the wheel for exceptional performance.</p> <p>TIGER INOX Tiger INOX wheels deliver a worry-free solution for stainless steel applications.</p> <p>TIGER ALUMINUM Weiler's non-loading formula delivers a fast and consistent cut rate on aluminum and soft alloys.</p>	<p>GRAIN TYPE Cutting/Combo: Zirconia alumina Grinding/Pipeline: Zirconia alumina + ceramic alumina infusion</p> <p>GRAIN TYPE White aluminum oxide</p> <p>INOX CONTAMINANT FREE CONTAIN LESS THAN 0.1% IRON, SULFUR & CHLORINE</p> <p>GRAIN TYPE Silicon carbide / aluminum oxide blend</p> <p>CONTAMINANT FREE CONTAIN LESS THAN 0.1% IRON, SULFUR & CHLORINE</p>	<p>BEST ON STEEL / METAL</p> <p>includes structural steel and cast iron</p> <p>BEST ON STAINLESS and harder grade steel</p> <p>BEST ON ALUMINUM</p>
<p>P PERFORMANCE LONG LIFE</p> 	<p>CUT RATE: ●●●●○ LIFE: ●●●●●</p> <p>TIGER AO Tiger wheels provide an even, sharp, clean cut and a hard bond extends wheel life.</p>	<p>GRAIN TYPE Aluminum oxide</p>	<p>BEST ON STEEL / METAL</p>
<p>V VALUE FAST CUT</p> 	<p>CUT RATE: ●●●●○ LIFE: ●●●●○</p> <p>WOLVERINE® Fast cut rate and consistent performance at a good value.</p>	<p>GRAIN TYPE Aluminum oxide</p>	<p>BEST ON STEEL / METAL</p>

Key:

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

Refer to ANSI B7.1 for storage & handling details

All products meet ANSI B7.1

MARKS ON THE LABEL

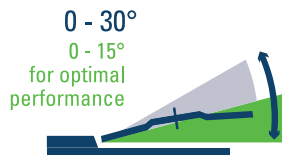


TYPE

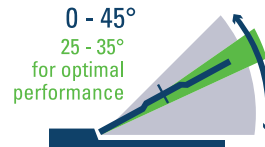
Cutting Type 1 (Flat) Type 27 (Depressed Center)



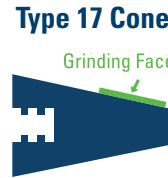
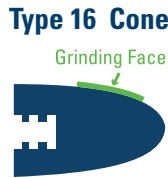
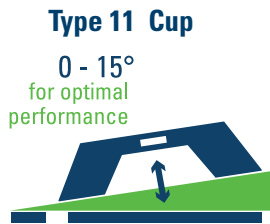
Grinding Type 28 (Depressed Center) Type 27 (Depressed Center)



Designed for increased aggression at lower working angles and increased access

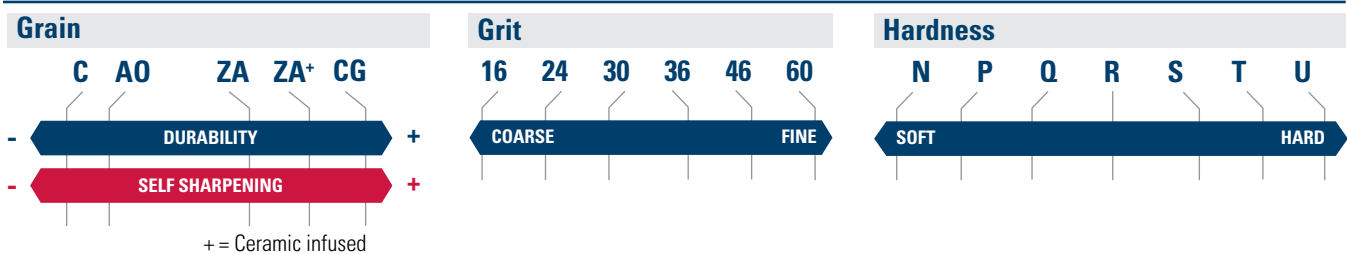


Flat profile with depressed center allows for a wide range of grinding angles (0-45)



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.



APPLICATION

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

ULTRA THIN WHEEL 1MM	THIN WHEEL .045"	THIN WHEEL .060"	CUTTING WHEEL 3/32"	PIPELINE NOTCHING WHEEL 1/8"	COMBO WHEEL 1/8"	PIPELINE NOTCHING WHEEL 1/8"	GRINDING WHEEL 1/4"	CONES & PLUGS	CUP WHEELS
Sheet metal, tubes, profiles and small cross-section rods	Tubes, bar stock and large cross-sections	Angle Iron, large cross-sections	Notching	Switching between cutting and grinding	For tough root pass notching & facing applications on the pipeline	Heavy stock, scale and weld removal, weld blending, edge beveling and torch-cut softening	I.D. cleaning, hole edge beveling, smoothing weld seams, removing gates & parting lines	Heavy metal removal, grinding, transitioning, rough beveling & removing crack & flaws	

WHY WEILER

BONDED ABRASIVES

COATED ABRASIVES

CUTTING WHEELS



Weiler's diverse line of cutting wheels provides consistent, well-balanced, high quality solutions. From our 1-millimeter 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:

- Additional fiberglass reinforcement provides **added strength** for aggressive cutting
- Smooth outer layer reduces friction for an **effortless cut and less kickback** during operation
- **2.0 Optimum Use Line** helps maximize wheel life, **improving productivity** and sustainability
- **2.0** Longer wheel life **reduces change-overs and delivers more cuts**



UltraCut wheel making precision cuts a steel tube stock.

TYPE 1 1MM CUTTING WHEELS



58006

58131

P HIGH PERFORMANCE THIN CUTTING

TYPE 1
7/8" Arbor

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

STAINLESS TIGER INNOX ULTRACUT 1MM / Contaminant-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, Cl)

CUTS
20%
FASTER
than the closest
competitor

PROPRIETARY
SOLID
CORE
TECHNOLOGY

increases wheel density,
resulting in longer life,
reduced friction and
superior stability

A TRUE
1MM
THICKNESS

delivers precise, consistent
cuts you can count on



TRUE
1 MILLIMETER

STANDARD
.045"

TYPE 1 & 27 CUTTING WHEELS



NEW 2.0 BOLD items only.

P MAX PERFORMANCE CUTTING

				TYPE 1 7/8" Arbor		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
STEEL / METAL									
STAINLESS									
HARD-TO-CUT									
TIGER CERAMIC Superior Life & Cut Contaminant-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	8,600	25	58303	25	58311	10	58312



58300

NEW 2.0 BOLD items only.

P HIGH PERFORMANCE CUTTING

				TYPE 1 7/8" Arbor		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
STEEL / METAL									
TIGER ZIRC / Fast Cut & 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	8,600	25	58003	25	58023	10	58033
STAINLESS									
TIGER INOX / Contaminant-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	8,600	25	58103	25	58107	—	—
ALUMINUM									
TIGER ALUMINUM / Non-loading / Contaminant-free*									
4-1/2"	.045"	ALU60S	13,300	25	58200	25	58205	10	58206
5"	.045"	ALU60S	12,200	25	58201	—	—	—	—
6"	.045"	ALU60S	10,200	25	58202	25	58209	10	58210
7"	.060"	ALU60S	8,600	25	58203	—	—	—	—



58000



58110



58206

NEW 2.0 BOLD items only.

P PERFORMANCE CUTTING

				TYPE 1 7/8" Arbor		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
STEEL / METAL									
TIGER AO / Long Life									
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	8,600	25	57023	25	57046	10	57048
9"	1/16"	A60T	6,600	—	—	25	57047	10	57049



57040

V CUTTING

				TYPE 1 5/8" Arbor		TYPE 27 5/8" Arbor	
STEEL / METAL							
WOLVERINE AO / Fast Cutting							
Dia.	Thickness	Grade	Max. RPM	Pack	Item #	Pack	Item #
4"	.035"	A60T	15,300	25	56271	—	—
4"	3/32"	A24T	15,200	—	—	25	56474
5"	.035"	A60T	12,200	25	56108	—	—



56474

V CUTTING

				TYPE 1 7/8" Arbor		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
STEEL / METAL									
WOLVERINE AO / Fast Cutting									
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	.045"	A60T	13,300	25	56281	—	—	—	—
	.045"	A60S		—	—	25	56393	—	—
	1/16"	A60T		25	56103	—	—	—	—
	3/32"	A24T		—	—	25	56475	10	56385
5"	.045"	A60S	12,200	—	—	25	56392	—	—
	1/16"	A36T		25	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	8,600	25	56275	—	—	—	—
	.060"	A60S		—	—	25	56391	—	—
	3/32"	A24R		—	—	25	56383	10	56477
9"	1/8"	A24T	6,600	—	—	—	—	10	56423



56103

BLACK BOLD ITEM numbers indicate Tiger 2.0. *Contaminant-free (Contains less than 0.1% Fe, S, Cl) • Non-stock product, contact Customer Service for lead times.

WHY WEILER

BONDED ABRASIVES

COATED ABRASIVES

BRUSHES

TYPE 1

SMALL DIAMETER CUTTING WHEELS



58348

P MAX PERFORMANCE CUTTING

STEEL / METAL TIGER CERAMIC
STAINLESS Superior Life & Cut
HARD-TO-CUT Contaminant-free*

Dia.	Thickness	Grade	Max. RPM	TYPE 1 1/4" Arbor		TYPE 1 3/8" Arbor	
				Pack	Item #	Pack	Item #
3"	1/16"	CER36T	25,000	100	58345	100	58342
4"	1/16"	CER36T	19,000	—	—	25	58348

P HIGH PERFORMANCE CUTTING

STEEL / METAL TIGER ZIRC / Fast Cut & Long Life

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



58011

P PERFORMANCE CUTTING

STEEL / METAL TIGER AO / Long Life

Dia.	Thickness	Grade	Max. RPM	TYPE 1 1/4" Arbor		TYPE 1 3/8" Arbor	
				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	—	100	57001
	1/16"	A36T			57066		57060
	1/8"	A36T			57068		57063
4"	.035"	A60T	19,000	25	57075	25	57070
	1/16"	A36T			—		57071
	1/8"	A36T			—		57072



57070

V VALUE CUTTING

STEEL / METAL WOLVERINE AO / Fast Cut

Dia.	Thickness	Grade	Max. RPM	TYPE 1 1/4" Arbor		TYPE 1 3/8" Arbor	
				Pack	Item #	Pack	Item #
2"	.035"	A60T	30,000	100	56013	100	56128
	1/16"	A36T			56015		56129
	1/8"	A36S			56022		56130 •
3"	.035"	A60T	25,000	100	56061	100	56062
	1/16"	A36T			56065		56068
	1/16"	A60T			—		56070
	1/8"	A36T			—		56076
	1/8"	A36S			50		56060
4"	.035"	A60T	19,000	25	56165	25	56080
	1/16"	A36T			56166 •		56086
	1/8"	A36T			—		56099



56128

TYPE 1 & 27

SMALL DIAMETER SNAGGING WHEELS



57064

P PERFORMANCE SNAGGING

STEEL / METAL TIGER AO / Long Life

Diameter	Thickness	Grade	Max. RPM	TYPE 1 3/8" Arbor		TYPE 27 3/8" Arbor	
				Std. Pack	Item #	Std. Pack	Item #
3"	1/4"	A24T	25,000	40	57064	—	—
4"	1/4"	A24T	15,300	10	57073	10	57074



56064

V VALUE SNAGGING

STEEL / METAL WOLVERINE AO / Fast Cutting

Dia.	Thickness	Grade	Max. RPM	TYPE 1 3/8" Arbor	
				Pack	Item #
2"	1/4"	A36R	30,000	40	56131
3"	1/4"	A24T	25,000	40	56064
4"	1/4"	A36T	15,300	10	56163

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

TYPE 1 FOR CHOP SAWS



P PERFORMANCE CUTTING

STEEL / METAL **TIGER AO** / Long Life

Diameter	Thickness	Arbor	Grade	Description	Max. RPM	Std. Pack	Item #
12"	3/32"	1"	A36T	Long Life Cutting	5,100	10	57090
14"	3/32"	1"	A36T	Long Life Cutting	4,400	10	57092
14"	3/32"	1"	A36R	Smooth Cutting	4,400	10	57093 ◆
14"	3/32"	1"	EA36T	Fast Cut & Long Life	4,400	10	57086
16"	3/32"	1"	A36P	Long Life Cutting	3,850	10	57087

◆ Softer bond for smoother, faster cutting.

**HIGH
PERFORMANCE**



57086

V CUTTING

STEEL / METAL **WOLVERINE AO** / Fast Cutting

Diameter	Thickness	Arbor	Grade	Description	Max. RPM	Std. Pack	Item #
12"	3/32"	1"	A46T	Fast Cutting	5,100	10	56239
14"	3/32"	1"	A46T	Fast Cutting	4,400	10	56240
14"	3/32"	1"	A46T	Single Center Reinforcement For + Speed	4,400	10	56247

TYPE 1 FOR HIGH SPEED SAWS



P HIGH PERFORMANCE CUTTING

STEEL / METAL **TIGER ZIRC** / Fast Cut & Long Life / Rail Cutting

Diameter	Thickness	Arbor	Grade	Description	Max. RPM	Std. Pack	Item #
14"	1/8"	1"	Z24U	Rail Cutting	5,500	10	58028
16"	1/8"	1"	Z24U	Rail Cutting	4,800	10	58029

**RAIL
CUTTING**



58028

P PERFORMANCE CUTTING

STEEL / METAL **TIGER AO** / Long Life

Diameter	Thickness	Arbor	Grade	Description	Max. RPM	Std. Pack	Item #
12"	1/8"	1"	A30T	Long Life Cutting	6,400	10	57030
14"	1/8"	1"	A30T	Long Life Cutting	5,500	10	57032
14"	1/8"	20 mm	A30T	Long Life Cutting	5,500	10	57094
14"	1/8"	20 mm	A30T	Triple Reinforcement For + Support	5,500	10	57035

**TRIPLE
REINFORCEMENT
FOR + SUPPORT**



57035

TYPE 1 FOR STATIONARY SAWS



P PERFORMANCE CUTTING

STEEL / METAL **TIGER AO** / Long Life

Diameter	Thickness	Arbor	Grade	Description	Max. RPM	Std. Pack	Item #
14"	1/8"	1"	A30R	Long Life Cutting	4,400	10	57091
20"	1/8"	1"	A30S	Long Life Cutting	3,100	10	57097

V CUTTING

STEEL / METAL **WOLVERINE AO** / Fast Cutting

Diameter	Thickness	Arbor	Grade	Description	Max. RPM	Std. Pack	Item #
14"	1/8"	1"	A30R	Fast Cutting	4,400	10	56230

GRINDING WHEELS 0 - 45°



Weld blending on a stainless pressure tank with a Tiger Ceramic grinding wheel.

Whether you're looking for serious stock removal, beveling, grinding, or notching, Weiler's grinding will help get the most demanding jobs done right and done fast.

FEATURES:

- Fiberglass cut back design provides **aggressive grinding right out of the box** (Tiger 27 grinding wheels only)
- Triple fiberglass reinforcement **increases user safety**
- **2.0 Optimum Use Line** helps maximize wheel life, **improving productivity** and sustainability
- **2.0** Longer wheel life **reduces change-overs and removes more material**
- **2.0** Advanced 2.0 bond formulation **reduces uneven edge wear and chipping**, improving operator experience and extending wheel life

TYPE 27 GRINDING WHEELS



Cut back provides instant aggressive grinding on new wheels

NEW 2.0 BOLD items only.

P MAX PERFORMANCE GRINDING

				TYPE 27 5/8" Arbor		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
STEEL / METAL	TIGER CERAMIC /								
STAINLESS	Superior Life & Cut								
HARD-TO-GRIND	Contaminant-free*								
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	8,600	—	—	10	58331	10	58332
9"	1/4"	CER24R	6,600	—	—	10	58333	10	58334



58326

NEW 2.0 BOLD items only.

P HIGH PERFORMANCE GRINDING

				TYPE 27 5/8" Arbor		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
STEEL / METAL	TIGER ZIRC /								
	Ceramic-infused								
Fast Cut & 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	8,600	—	—	10	58075	10	58074
9"	1/4"	Z24T	6,650	—	—	10	68384	10	68385
STAINLESS TIGER INOX / Contaminant-free*									
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	8,600	—	—	10	58125	10	58124
ALUMINUM TIGER ALUMINUM / Non-loading / Contaminant-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



58079



58120



58225

BLACK BOLD ITEM numbers indicate Tiger 2.0. *Contaminant-free (Contains less than 0.1% Fe, S, Cl) • Non-stock product, contact Customer Service for lead times.

NEW 2.0 BOLD items only.

P PERFORMANCE GRINDING

STEEL / METAL **TIGER AO** / Long Life

Dia.	Thickness	Grade	Max. RPM	TYPE 27 5/8" Arbor		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
				Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item #
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	8,600	—	—	10	57125	10	57124
9"	1/4"	A24R	6,650	—	—	10	68376	10	68377



57120

V GRINDING

STEEL / METAL **WOLVERINE AO** / Fast Cutting

Diameter	Thickness	Grade	Max. RPM	TYPE 27 5/8" Arbor		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
				Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item #
4"	1/4"	A24R	15,200	10	56473	—	—	—	—
4-1/2"	1/4"	A24R	13,300	—	—	10	56464	10	56454
4-1/2"	1/4"	A24N	13,300	—	—	10	56457	10	56455
5"	1/4"	A24R	12,200	—	—	10	56466	10	56449
6"	1/4"	A24R	10,200	—	—	10	56280	10	56279
7"	1/4"	A24R	8,600	—	—	10	56467	10	56468
9"	1/4"	A24R	6,600	—	—	10	56469	10	56470



56473

TYPE 28 GRINDING WHEELS



NEW 2.0 BOLD items only.

P HIGH PERFORMANCE GRINDING

STEEL / METAL **TIGER ZIRC** / Ceramic-infused
Fast Cut & Long Life

Diameter	Thickness	Grade	Max. RPM	TYPE 28 7/8" Arbor		TYPE 28 5/8"-11 Hub	
				Std. Pack	Item #	Std. Pack	Item #
7"	1/4"	Z24T	8,600	10	58081	10	58080
9"	1/4"	Z24T	6,600	10	58083	10	58082



58081



57134

NEW 2.0 BOLD items only.

P PERFORMANCE GRINDING

STEEL / METAL **TIGER AO** / Long Life

Diameter	Thickness	Grade	Max. RPM	TYPE 28 7/8" Arbor		TYPE 28 5/8"-11 Hub	
				Std. Pack	Item #	Std. Pack	Item #
7"	1/4"	A24R	8,600	10	57135	10	57134
9"	1/4"	A24R	6,600	10	57137	10	57136

ACCESSORIES

ADAPTING NUTS & SPANNER WRENCH For 4" - 6" Angle Grinders.

Description	Adapts To	Min. Wheel Thickness	Standard Pack	Item Number
Adapting Nuts	5/8" to 3/8"-24	.045"	1	56484
Adapting Nuts	7/8" to 5/8"-11	.045"	1	56494
Spanner Wrench	—	—	1	56495



56494

56495

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

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

*Combination pack



56489

ADAPTER for mounting Large Cutting Wheels onto a 20mm arbor.

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



04455

WHY WEILER

BONDED ABRASIVES

COATED ABRASIVES

BRUSHES

COMBO WHEELS



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

FEATURES:

- **2.0 Optimum Use Line** helps maximize wheel life, *improving productivity* and sustainability
- **2.0** Longer wheel life *reduces change-overs and removes more material*



Back gouging a steel plate with a Tiger combo wheel.

TYPE 27 CUT & GRIND COMBO WHEELS



NEW 2.0 BOLD items only.

P MAX PERFORMANCE CUT / GRIND COMBO

STEEL / METAL TIGER CERAMIC
STAINLESS Superior Life & Cut
HARD-TO-GRIND Contaminant-free*

TYPE 27
7/8" Arbor

TYPE 27
5/8"-11 Hub

Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	1/8"	CER30T	13,300	25	58315	10	58316
5"	1/8"	CER30T	12,200	25	58317	10	58318
6"	1/8"	CER30T	10,200	25	58319	10	58320
7"	1/8"	CER30T	8,600	25	58321	10	58322
9"	1/8"	CER30T	6,600	25	58323	10	58324

NEW 2.0 BOLD items only.

P HIGH PERFORMANCE CUT / GRIND COMBO

STEEL / METAL TIGER ZIRC / Fast Cut & Long Life

TYPE 27
7/8" Arbor

TYPE 27
5/8"-11 Hub

Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	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	8,600	25	58056	10	58055
9"	1/8"	Z30T	6,650	25	68382	10	68383

STAINLESS TIGER INOX / Contaminant-free*

4-1/2"	1/8"	INOX30T	13,300	25	58115	10	58114
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ALUMINUM TIGER ALUMINUM / Non-loading / Contaminant-free*

4-1/2"	1/8"	ALU30T	13,300	25	58215	10	58216
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NEW 2.0 BOLD items only.

P PERFORMANCE CUT / GRIND COMBO

STEEL / METAL TIGER AO / Long Life

TYPE 27
7/8" Arbor

TYPE 27
5/8"-11 Hub

Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	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	8,600	25	57105	10	57104
9"	1/8"	A30S	6,650	25	68374	10	68375

V CUT / GRIND COMBO

STEEL / METAL WOLVERINE AO / Fast Cutting

TYPE 27
7/8" Arbor

TYPE 27
5/8"-11 Hub

Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	1/8"	A24T	13,300	25	56430	10	56429
5"	1/8"	A24T	12,200	25	56428	10	56427
7"	1/8"	A24T	8,600	25	56426	10	56425
9"	1/8"	A24T	6,600	25	56424	10	56423



PIPELINE WHEELS

TYPE 27 FOR PIPELINE



Weiler's Pipeline 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:

- **Do Not Chip** – Operators will no longer feel the need to chip the wheel to get it to bite.
- **Reduced Chatter** – A unique bond formulation delivers reduced vibration for the entire life of the wheel for a better grinding experience.
- **Superior Life & Cut** – A blend of zirconia alumina and ceramic grains bite into the bead and dig out the wagon tracks fast while the strong bond delivers long wheel life.



One Wheel for



GRINDING



NOTCHING



58094

P HIGH PERFORMANCE PIPELINE GRINDING WHEELS

STEEL / METAL **TIGER ZIRC** / Ceramic-infused / Fast Grinding & Long Life on Pipe

TYPE 27
5/8"-11 Nut

Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #
4-1/2"	1/8"	Z30T	13,300	10	58090
6"	1/8"	Z30T	10,200	10	58092
7"	1/8"	Z30T	8,600	10	58094
9"	1/8"	Z30T	6,600	10	58095

TYPE 27 FOR MECHANIZED PIPE WELDING



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:

- **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 Life & Cut** – A blend of Zirconia Alumina and Ceramic grains bite into the bead fast while the strong bond delivers long wheel life.



NOTCHING



58066

P HIGH PERFORMANCE MECH NOTCHING WHEELS

STEEL / METAL **TIGER ZIRC** / Ceramic-infused / Notching Mechanized Pipe Welds

TYPE 27
5/8"-11 Nut

Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #
4-1/2"	3/32"+	Z30T	13,300	10	58066
7"	3/32"+	Z30T	8,600	10	58068

+ Specific size for mechanized pipe welds

CUPS, CONES & PLUGS – FOR METAL FABRICATION



Type 11 Cup Rock for snagging and heavy stock removal.

TYPE 11 FOR GRINDERS

BEST ON: Carbon steel, stainless steel, cast iron and ductile iron.

CUP FEATURES:

- **Precision balanced** to ensure smooth vibration free operation and reduced operator fatigue
- **Zinc plated nut** prevents oxidation, eliminating contamination and allowing for easy mounting
- **Unique anchored safety nut** locks the nut in place to increase safety and prevent product breakage

APPLICATIONS:

Ideal for heavy metal removal, grinding, transitioning, rough beveling and removing cracks/flaws



NEW!

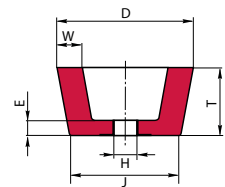
TYPE 11 FLARING CUP WHEELS

P

HIGH PERFORMANCE GRINDING

STEEL / METAL TIGER ZIRC / Fast Cut & Long Life

Diameter (D / J)	Thickness (T)	Arbor (H)	Rim (W)	Back (E)	Grade	Max. RPM	Std. Pack	Item #
4" / 3"	2"	5/8"-11	3/4"	3/4"	ZA16Q	9,070	5	68352
5" / 3-3/4"	2"	5/8"-11	1"	3/4"	ZA16Q	7,260	5	68355
6" / 4-3/4"	2"	5/8"-11	1"	3/4"	ZA16Q	6,000	5	68358
6" / 4-3/4"	2"	5/8"-11	1-1/2"	3/4"	ZAC16Q	6,000	5	68361+
6" / 4-3/4"	2"	5/8"-11	1-1/2"	3/4"	ZA16R	6,000	5	68362
6" / 4-3/4"	2"	5/8"-11	1-1/2"	3/4"	ZA16Q	6,000	5	68364



68352



68356



73054

P

PERFORMANCE GRINDING

STEEL / METAL TIGER AO / Long Life

Diameter (D / J)	Thickness (T)	Arbor (H)	Rim (W)	Back (E)	Grade	Max. RPM	Std. Pack	Item #
4" / 3"	2"	5/8"-11	3/4"	3/4"	A16Q	9,070	5	68350 •
5" / 3-3/4"	2"	5/8"-11	1"	3/4"	A16Q	7,260	5	68353
6" / 4-3/4"	2"	5/8"-11	1"	3/4"*	A16Q	6,000	5	68356
6" / 4-3/4"	2"	5/8"-11	1-1/2"	3/4"*	A16Q	6,000	5	68359

+ Includes silicon carbide for burnt-in sand and hard-to-grind metals.

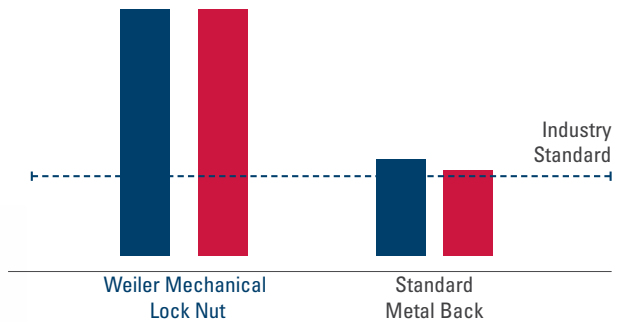
*Reinforced metal back

CUP WHEEL MOUNTING FLANGE - Fits over 5/8"-11 spindles

Diameter	Thickness	Std. Pack	Item #
2"	1/4"	1	73054 •

ANCHORED NUT INCREASES SAFETY

Our testing shows that the Weiler anchored safety nut outperformed the industry standard metal back:



- ▶ Up to 3X higher torque holding strength
- ▶ Double speed burst testing ratings

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

CONES AND PLUGS FOR STRAIGHT & DIE GRINDERS



Type 18R plug used to grind I.D. bevels and flatten surface on rail frog section.

CONE & PLUG FEATURES:

- **Open face design** provides aggressive cut-rate right out of the box
- **Anchored hexagon nut** secures the abrasive to the tool to increase safety and prevent product breakage
- **Precision balanced** to ensure smooth, vibration free operation and reduced operator fatigue

APPLICATIONS: Ideal for ID cleaning, hole edge beveling, smoothing weld seams, removing gates and parting lines and cleaning castings in hard-to-reach places

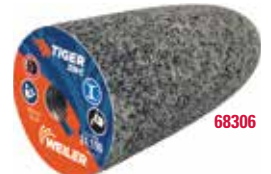
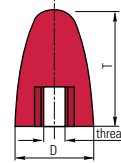
NEW!

TYPE 16 CONES HIGH PERFORMANCE GRINDING

P

STEEL / METAL TIGER ZIRC TYPE 16 CONES / Fast Cut & Long Life

Diameter (D)	Thickness (T)	Arbor (Thread)	Grade	Max. RPM	Std. Pack	Item #
1"	3"	3/8"-24 Nut	ZA20S	36,290	12	68301
1-1/2"	2-1/2"	5/8"-11 Nut	ZA20S	24,190	12	68304
1-1/2"	2"	3/8"-24 Nut	ZA20S	24,190	12	68306
1-1/2"	3"	5/8"-11 Nut	ZA20S	24,190	12	68308
2"	3"	5/8"-11 Nut	ZA20S	18,145	12	68311
2-3/4"	3-1/2"	5/8"-11 Nut	ZA20S	13,195	12	68313

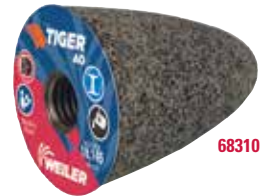


WHY WEILER

P

PERFORMANCE GRINDING **STEEL / METAL TIGER AO / Long Life**

Diameter (D)	Thickness (T)	Arbor (Thread)	Grade	Max. RPM	Std. Pack	Item #
1-1/2"	2-1/2"	5/8"-11 Nut	A24R	24,190	12	68303
1-1/2"	3"	3/8"-24 Nut	A24R	24,190	12	68305
1-1/2"	3"	5/8"-11 Nut	A24R	24,190	12	68307
2"	3"	3/8"-24 Nut	A24R	18,145	12	68309
2"	3"	5/8"-11 Nut	A24R	18,145	12	68310
2-3/4"	3"	5/8"-11 Nut	A24R	13,195	12	68312
3"	3"	5/8"-11 Nut	A24R	12,100	12	68314



BONDED ABRASIVES

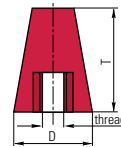
NEW!

TYPE 17 CONES HIGH PERFORMANCE GRINDING

P

STEEL / METAL TIGER ZIRC TYPE 17 CONES / Fast Cut & Long Life

Diameter (D)	Thickness (T)	Arbor (Thread)	Grade	Max. RPM	Std. Pack	Item #
2"	3"	5/8"-11 Nut	ZA20S	18,145	12	68365



P

PERFORMANCE GRINDING **STEEL / METAL TIGER AO / Long Life**

Diameter (D)	Thickness (T)	Arbor (Thread)	Grade	Max. RPM	Std. Pack	Item #
1-3/4"	3"	5/8"-11 Nut	A24R	20,740	12	68316
2"	3"	5/8"-11 Nut	A24R	18,145	12	68317

COATED ABRASIVES

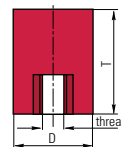
NEW!

TYPE 18 PLUGS HIGH PERFORMANCE GRINDING

P

STEEL / METAL TIGER ZIRC TYPE 18 PLUGS / Fast Cut & Long Life

Diameter (D)	Thickness (T)	Arbor (Thread)	Grade	Max. RPM	Std. Pack	Item #
1-1/2"	2-1/2"	5/8"-11 Nut	ZA20S	24,190	12	68320
1-1/2"	3"	5/8"-11 Nut	ZA20S	24,190	12	68322
2"	3"	5/8"-11 Nut	ZA20S	18,145	12	68324



P

PERFORMANCE GRINDING **STEEL / METAL TIGER AO / Long Life**

Diameter (D)	Thickness (T)	Arbor (Thread)	Grade	Max. RPM	Std. Pack	Item #
1-1/2"	2-1/2"	3/8"-24 Nut	A24R	24,190	12	68318
1-1/2"	2-1/2"	5/8"-11 Nut	A24R	24,190	12	68319
1-1/2"	3"	5/8"-11 Nut	A24R	24,190	12	68321
2"	3"	5/8"-11 Nut	A24R	18,145	12	68323

BRUSHES

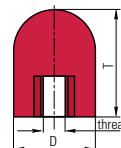
NEW!

TYPE 18R PLUGS HIGH PERFORMANCE GRINDING

P

STEEL / METAL TIGER ZIRC TYPE 18R PLUGS / Fast Cut & Long Life

Diameter (D)	Thickness (T)	Arbor (Thread)	Grade	Max. RPM	Std. Pack	Item #
1-1/2"	3"	3/8"-24 Nut	ZA20S	24,190	12	68326
1-1/2"	3"	5/8"-11 Nut	ZA20S	24,190	12	68328
2"	3"	5/8"-11 Nut	ZA20S	18,145	12	68330

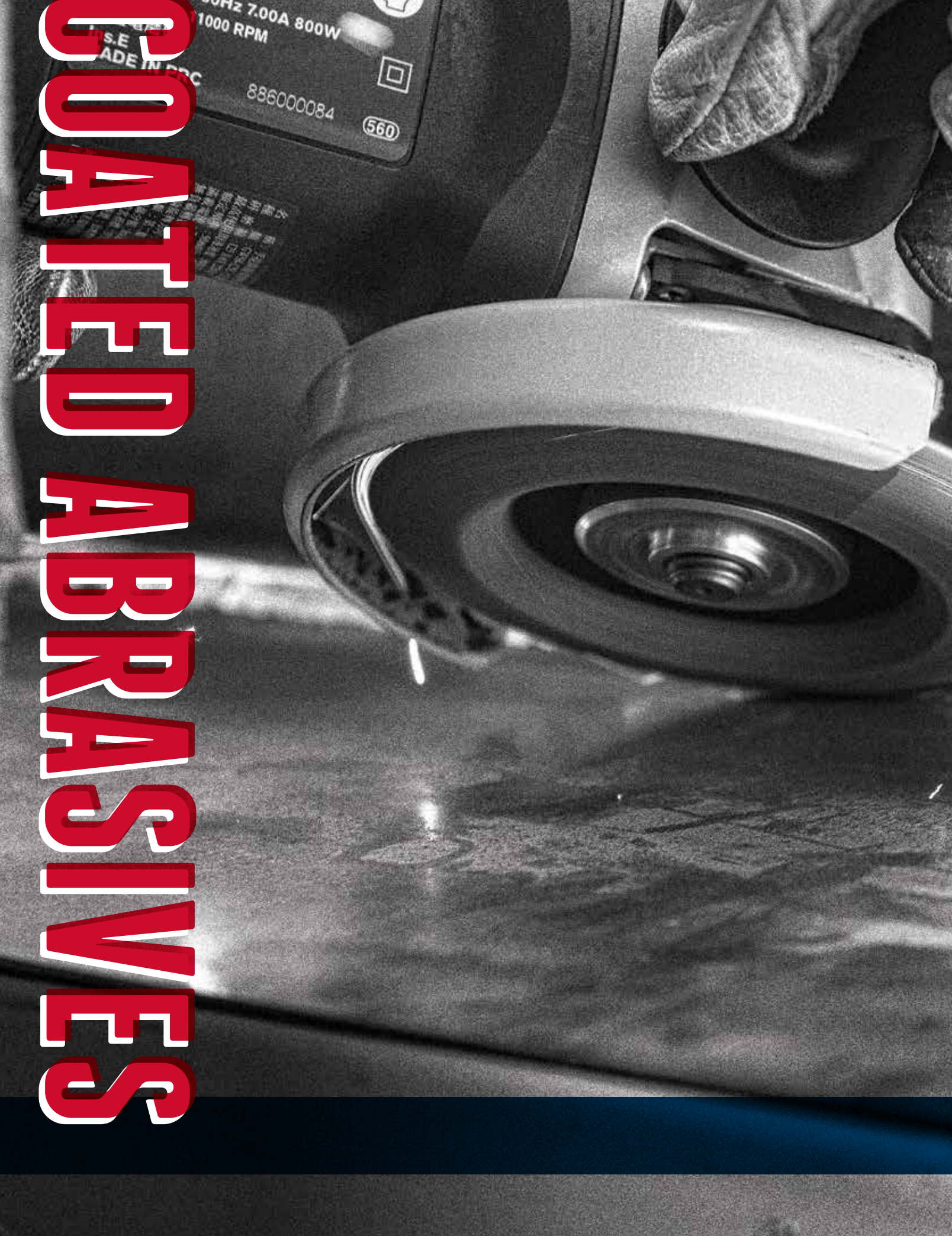


P

PERFORMANCE GRINDING **STEEL / METAL TIGER AO / Long Life**

Diameter (D)	Thickness (T)	Arbor (Thread)	Grade	Max. RPM	Std. Pack	Item #
1-1/2"	3"	5/8"-11 Nut	A24R	24,190	12	68327
2"	3"	5/8"-11 Nut	A24R	18,145	12	68329
3"	3"	5/8"-11 Nut	A24R	12,100	12	68331

COATED ABRASIVES





WHEELS | BRUSHES | OPENED BPA





BRUSHES

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

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 <ul style="list-style-type: none"> • 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 alloy, titanium and armored steel)
P HIGH PERFORMANCE	TIGER X <ul style="list-style-type: none"> • 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)
P PERFORMANCE	TIGER PAW™ <ul style="list-style-type: none"> • 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)
V VALUE	WOLVERINE® <ul style="list-style-type: none"> • Fast stock removal • Consistent performance 	GRAIN TYPE Zirconia alumina	STYLES   	BEST ON STEEL / METAL

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

SPECIALTY FLAP DISCS

			
	MAX PERFORMANCE	HIGH PERFORMANCE	PERFORMANCE
ANGLED (Fillet Welds)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TRIMMABLE (Non-Marking)		<input checked="" type="checkbox"/>	<input type="checkbox"/>
ALUMINUM BACK (Rigid Support)		<input checked="" type="checkbox"/>	<input type="checkbox"/>
ALUMINUM (Non-Loading)		<input checked="" type="checkbox"/>	<input type="checkbox"/>
MINI (Tight Spaces)		<input type="checkbox"/>	<input checked="" type="checkbox"/> (Bobcat)

Refer to ANSI B7.1 for storage & handling details

KEY: PERFORMANCE LINE VALUE LINE

All products meet ANSI B7.1

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° – 15°

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



HIGH DENSITY (Type 29)
15° – 35°

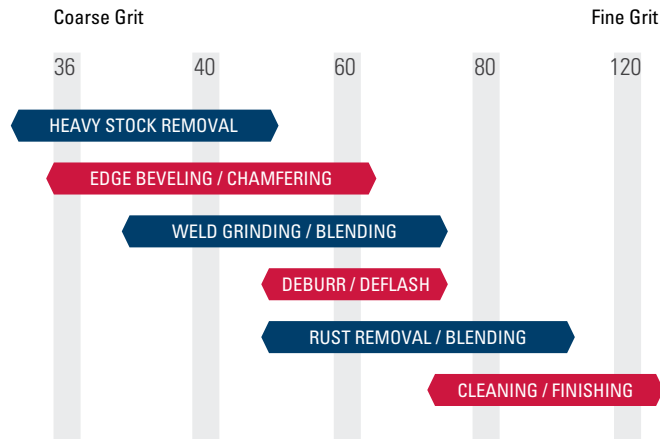
Conformable to irregular surfaces. Angled flaps maximize surface contact for aggressive stock removal.



ANGLED (Type 27 / Hybrid)
0° – 35°

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

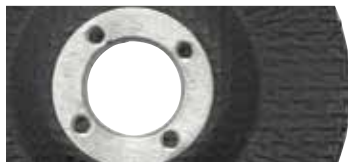


ALUMINUM OXIDE (AO)

- 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*



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

*BobCat™ Discs are not Trimnable.

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 offers standard density flap discs in four performance tiers, including Tiger X, which is a great choice if you're looking for high performance on relatively flat surfaces, and Tiger Paw for demanding edge grinding applications.

All Tiger flap discs are contaminant free, making them safe to use on stainless steel.



Tiger X flap disc blending a weld on a flat surface.



50106

P MAX PERFORMANCE / TIGER CERAMIC (SABER TOOTH)

Top Coated for Cool Grinding / Ceramic Alumina / Phenolic Back / Contaminant-free*

STEEL / METAL		STAINLESS		HARD-TO-GRIND		ALUMINUM		TYPE 29 7/8" Arbor		TYPE 29 5/8"-11 Hub	
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #	Item #	Item #	Item #	Item #	Item #
4-1/2"	36	13,000	10	51200	51204	51204	51204	50100	50104	50104	50104
	40			51201	51205	51205	51205	50101	50105	50105	50105
	60			51202	51206	51206	51206	50102	50106	50106	50106
	80			51203	51207	51207	51207	50103	50107	50107	50107
7"	36	8,600	10	51208	51212	51212	51212	50109	50112	50112	50112
	40			51209	51213	51213	51213	50109	50113	50113	50113

P HIGH PERFORMANCE / TIGER X

Fast Grinding & Long Life on Flat Surfaces / Ceramic & Zirconia Alumina / Phenolic Back / Contaminant-free*

STEEL / METAL		STAINLESS		TYPE 29 7/8" Arbor		TYPE 29 5/8"-11 Hub		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #	Item #	Item #	Item #	Item #	Item #
4-1/2"	36	13,000	10	51200	51204	51204	51204	51223	51226	51226	51226
	40			51201	51205	51205	51205	51224	51227	51227	51227
	60			51202	51206	51206	51206	51225	51228	51228	51228
	80			51203	51207	51207	51207	51225	51228	51228	51228
5"	36	12,000	10	51208	51212	51212	51212	51229	51232	51232	51232
	40			51209	51213	51213	51213	51229	51233	51233	51233
	60			51210	51214	51214	51214	51231	51234	51234	51234
	80			51211	51215	51215	51215	51231	51234	51234	51234
6"	40	10,200	10	51237	51241	51241	51241	51231	51234	51234	
	60			51238	51242	51242	51242	51231	51234	51234	
7"	36	8,600	10	51215	51219	51219	51219	51231	51234	51234	
	40			51216	51220	51220	51220	51231	51234	51234	
	60			51217	51221	51221	51221	51231	51234	51234	
	80			51218	51222	51222	51222	51231	51234	51234	



51205

P PERFORMANCE / ORIGINAL TIGER

High cut rate & long life / Zirconia Alumina / Phenolic Back / Contaminant-free*

STEEL / METAL		STAINLESS		TYPE 29 5/8" Arbor		TYPE 29 7/8" Arbor		TYPE 29 5/8"-11 Hub		TYPE 27 5/8"-11 Hub	
Dia.	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #	Item #	Item #	Item #	Item #	Item #
4"	36	15,000	10	50592	50601	50601	50601	50694	50706	50706	50699
	40			50593	50602	50602	50602	50707	50707	50707	
	60			50594	50603	50603	50603	50708	50708	50708	
	80			50595	50604	50604	50604	50709	50709	50709	
4-1/2"	24	13,000	10	50601	50606	50606	50606	50706	50706	50699	
	120			50606	50606	50606	50706	50706	50699		
5"	40	12,000	10	50607	50607	50607	50607	50713	50713	50713	
	60			50608	50608	50608	50608	50714	50714	50714	
	80			50609	50609	50609	50609	50715	50715	50715	
6"	40	10,200	10	50649	50659	50659	50659	50716	50716	50716	
	60			50650	50660	50660	50660	50717	50717	50717	
	80			50651	50661	50661	50661	50718	50718	50718	



50601



Tiger Paw grinding the edge of a torch-cut steel plate.

P PERFORMANCE / TIGER PAW™

Aggressive Stock Removal for Edge Grinding / 100% Zirconia Alumina / Phenolic Back / Contaminant-free*

STEEL / METAL	STAINLESS	Max. RPM	Std. Pack	TYPE 29	TYPE 29	TYPE 29	TYPE 27	TYPE 27	TYPE 27
				5/8" Arbor	7/8" Arbor	5/8"-11 Hub	5/8" Arbor	7/8" Arbor	5/8"-11 Hub
Dia.	Grit			Item #	Item #	Item #	Item #	Item #	Item #
4"	40	15,000	10	51104	—	—	51101	—	—
	60			51105	—	—	51102	—	—
4-1/2"	36	13,000	10	—	51118	51123♦	—	51107	51112♦
	40			—	51119	51124♦	—	51108	51113♦
	60			—	51120	51125♦	—	51109	51114♦
	80			—	51121	51126♦	—	51110	51115♦
5"	36	12,000	10	—	—	51153♦	—	—	51155♦
	40			—	51129	51132♦	—	51134	51156♦
	60			—	—	51133♦	—	51135	51157♦
	80			—	—	51154♦	—	—	51158♦
6"	40	10,200	10	—	51175	51179♦	—	—	—
	60			—	51176	51180♦	—	—	—
	80			—	51177♦	51181♦	—	—	—
	—			—	—	—	—	—	—
7"	36	8,600	10	—	—	51149♦	—	—	51139♦
	40			—	51145	51146♦	—	51137	51140♦
	60			—	51150	51147♦	—	—	51142♦
	80			—	—	51148♦	—	—	51143♦



WHY WEILER

BONDED ABRASIVES

COATED ABRASIVES

BRUSHES

V WOLVERINE®

Consistent Performance / Zirconia Alumina / Phenolic Back

STEEL / METAL	STAINLESS	Max. RPM	Std. Pack	TYPE 29	TYPE 29	TYPE 29	TYPE 27	TYPE 27
				5/8" Arbor	7/8" Arbor	5/8"-11 Hub	7/8" Arbor	5/8"-11 Hub
Dia.	Grit			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	—	—	—
6"	40	10,200	10	—	31447	—	—	—
	60			—	31448	31452♦	—	—
	80			—	—	31453♦	—	—
7"	36	8,600	10	—	31361	31367♦	—	31419♦
	40			—	31362	31368♦	—	31420♦
	60			—	31363	31369♦	31415	31421♦
	80			—	31364	31370♦	—	31422♦



51126

51140

31338

31343

Key:

P PERFORMANCE LINE Industrial Grade

V VALUE LINE Professional Grade

♦ Non-stock product, contact Customer Service for lead times and minimum order quantities.
♦ Patent # 6,945,863 *Contaminant-free (Contains less than 0.1% Fe, S, Cl)

HIGH DENSITY FLAP DISCS



Blending and finishing a weld with a Big Cat flap disc.

High density discs have more flaps than standard density discs, giving them a thicker profile that increases flexibility and allows the disc to conform to curves and irregular surfaces more easily. The high-density design also reduces vibration, improving operator experience. These discs last up to 40% longer than a standard density disc.



INDUSTRY-LEADING FOOTPRINT

30mm flaps on Big Cat and Tiger Paw Type 27 Style flap discs increases surface area grinding



P MAX PERFORMANCE / TIGER CERAMIC HD (SABER TOOTH)

Top Coated for Cool Grinding on Irregular Surfaces / Ceramic Alumina / Phenolic Back / Contaminant-free*

		STEEL / METAL		STAINLESS		HARD-TO-GRIND		ALUMINUM		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub		
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #	Item #	Item #	Item #	Item #	Item #	Item #	Item #	
4-1/2"	40	12,000	10	50130	50133♦	50131	50134♦	50132	50135♦					
	60													
	80													
7"	40	8,600	10	50136	50139♦	-	50140♦	-	50141♦					
	60													
	80													



50134

P HIGH PERFORMANCE / TIGER BIG CAT HD

Fast Grinding & Long Life on Irregular Surfaces / Zirconia Alumina / Phenolic Back / Contaminant-free*

		STEEL / METAL		STAINLESS		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub		
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #	Item #	Item #	Item #	
4-1/2"	40	12,000	10	50803	50808♦	50804	50809♦	50805	50810♦	
	60			50806	-					
	80									
	120									
7"	40	8,600	10	50823	50843♦	50824	50844♦	50825	50845♦	
	60									
	80									



50804

P PERFORMANCE / TIGER PAW™ HD

Aggressive Stock Removal on Irregular Surfaces

100% Zirconia Alumina / Phenolic Back / Contaminant-free*

		STEEL / METAL		STAINLESS		TYPE 29 7/8" Arbor		TYPE 29 5/8"-11 Hub		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #	Item #	Item #	Item #	Item #	Item #	Item #	Item #
4-1/2"	36	12,000	10	51060	51064♦	51060	51160	51061	51161	51062	51162	51063♦	51163
	40			51065♦	51165♦								
	60			51066♦	51166♦								
	80			51067♦	51167♦								
6"	40	10,200	10	-	-	51191	-	51192	-	51185	-	-	
	60												
	80												
7"	40	8,600	10	-	-	51170	51168♦	-	51169♦				
	60												



51165

V WOLVERINE HD

Consistent Performance on Irregular Surfaces / Zirconia Alumina / Phenolic Back

		STEEL / METAL		TYPE 27 7/8" Arbor		TYPE 27 5/8"-11 Hub	
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #	Item #
4-1/2"	40	12,000	10	31387	31390♦	31388	31391♦
	60			31389	31392♦		
	80						
6"	40	10,200	10	31439♦	31443♦	-	31444♦
	60			31441	31445♦		
	80						



31388

♦ Non-stock product, contact Customer Service for lead times and minimum order quantities.

♦ Patent # 6,945,863

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

SPECIALTY FLAP DISCS

ALUMINUM BACK

Tiger Aluminum Back flap discs are the benchmark for the pipeline industry, providing rigid support for maximum aggression. These discs are ideal for removing heavy pitting and resists rolling the bevel ends prior to welding. The aluminum backing also prevents the disc from catching on the bevel when grinding. The aluminum backing plate is 100% recyclable.



Edge chamfering a section of pipe with a Tiger Aluminum Back flap disc.

P HIGH PERFORMANCE / TIGER® ALUMINUM BACK

Fast Grinding & Long Life / Zirconia Alumina / Backing Plate Provides Rigid Support / Contaminant-free*

STEEL / METAL	STAINLESS	Max. RPM	Std. Pack	TYPE 29	TYPE 29	TYPE 29
				5/8" Arbor	7/8" Arbor	5/8"-11 Hub
Diameter	Grit			Item #	Item #	Item #
4"	36	15,000	10	50502	—	—
	40			50503	—	—
	60			50504	—	—
	80			50505	—	—
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	—
7"	24	8,600	10	—	—	50541
	36			—	—	50542
	40			—	—	50543
	60			—	—	50544
	80			—	—	50545



FOR ALUMINUM

Tiger Aluminum flap discs offer an innovative paired flap design that delivers high performance grinding on aluminum. The top flaps are coated to eliminate loading and allow the disc to maintain a high cut-rate, while the alternating flaps aggressively remove material with self-sharpening zirconia aluminum grains. This unique paired flap design delivers the ultimate combination of high performance grinding for aluminum at an exceptional value.



P HIGH PERFORMANCE / TIGER® ALUMINUM

Non-Loading / Contaminant-free / Zirconia Alumina / Phenolic Back

ALUMINUM	Diameter	Grit	Max. RPM	Std. Pack	TYPE 27	TYPE 27	TYPE 29	TYPE 29
					7/8" Arbor	5/8"-11 Hub	7/8" Arbor	5/8"-11 Hub
					Item #	Item #	Item #	Item #
4-1/2"	36	13,000	10	51252	51256	51250	51254	
	60			51253	51257	51251	51255	

Key:

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

ANGLED DISCS

Weiler's Tiger Angled flap discs offer a curved flap design that is ideal for grinding fillet welds, T-joints and hard-to-reach places. The flaps wrap around the edge of the backing plate, optimizing metal contact and providing exceptional feel and control.

These discs are available in ceramic for maximum performance on hard-to-grind metals and zirc for high performance on steel and stainless.



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

P MAX PERFORMANCE / TIGER CERAMIC ANGLED

Top Coated for Cool Grinding on Fillet Welds / Ceramic Alumina / Phenolic Back / Contaminant-free*

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

51313

P HIGH PERFORMANCE / TIGER ANGLED

Fast Grinding & Long Life on Fillet Welds / Zirconia Alumina / Phenolic Back / Contaminant-free*

Diameter	Grit	Max. RPM	Std. Pack	7/8" Arbor		5/8"-11 Hub	
				Item #	Item #	Item #	Item #
4-1/2"	40	13,000	10	51300	51303	51301	51304
	60					51305	
	80						
5"	40	12,000	10	51306	51309		

51303

TRIMMABLE DISCS

Tiger Trimmable flap discs provide flexibility and versatility when grinding steel and stainless steel. 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.

- Composite backing that can be trimmed, exposing more abrasive material.
- Composite backing will not mark the workpiece.

P MAX PERFORMANCE / TIGER CERAMIC TRIM (SABER TOOTH)

Top Coated for Cool Grinding / Ceramic Alumina / Trimmable Composite Back for Versatility / Contaminant-free*

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

50121

P PERFORMANCE / TIGER TRIM

Long Grinding Life / Zirconia Alumina / Trimmable Composite Back for Versatility / Contaminant-free*

Diameter	Grit	Max. RPM	Std. Pack	TYPE 29 7/8" Arbor		TYPE 29 5/8"-11 Hub	
				Item #	Item #	Item #	Item #
4-1/2"	40	13,000	10	50002	50006♦	50003	50007♦
	60			50004	50008♦		
	80						
	120						
5"	40	12,000	10	50010	50014		

50003

Key:

P PERFORMANCE LINE
Industrial Grade

V VALUE LINE
Professional Grade

♦ Patent # 6,945,863

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

MINI DISCS

Tiger Bobcat mini flap discs are ideal for use on air die grinders for smooth grinding and enhanced conformability in tight areas when working with steel and stainless steel. These mini discs leverage self-sharpening zirconia alumina (ZA) grains that hold up under high temperatures and extreme pressure.

Bobcat sheds cloth and exposes new grain, delivering a consistent, aggressive cut rate and removing 3 times more material over the life of the disc than a comparable blending disc.

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



Removing paint in tight spaces is easy with a BobCat disc.

P PERFORMANCE / TIGER BOBCAT™

Grinding Hard-to-Reach Places / Zirconia Alumina / Composite Back / **Contaminant-free***

STEEL / METAL		STAINLESS		S MOUNT* TYPE 29		R MOUNT+ TYPE 29	
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #	Item #
2"	36	30,000	10	—	50932	50946	50956
	40			50923	50933	50947	50957
	60			50924	50934	50948	50958
	80			50925	50935	50949	50959
	120			—	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			—	50916	—	50965

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

+ Back-up pad required. Also compatible with 3M Roloc™ 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
3" S mount hub pad + mandrel	1	60509
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, adapters must be nested, see illustration at left.



WHY WEILER

BONDED ABRASIVES

COATED 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.



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

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

Diameter	Width	Grit Size	Max. RPM	Standard Pack	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
		120			52029



52010



52027



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.

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



52621

Key:



PERFORMANCE LINE
Industrial Grade



VALUE LINE
Professional Grade

• Non-stock product, contact Customer Service for lead times and minimum order quantities.



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



V WOLVERINE 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
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
3"	1"	40	23,000	10	30729
		60			30726
		80			30727
		120			30728



30712



30720



30724



30735

V WOLVERINE 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

DRIVE ARBOR - For 1/4"-20 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.

RESIN FIBER DISCS



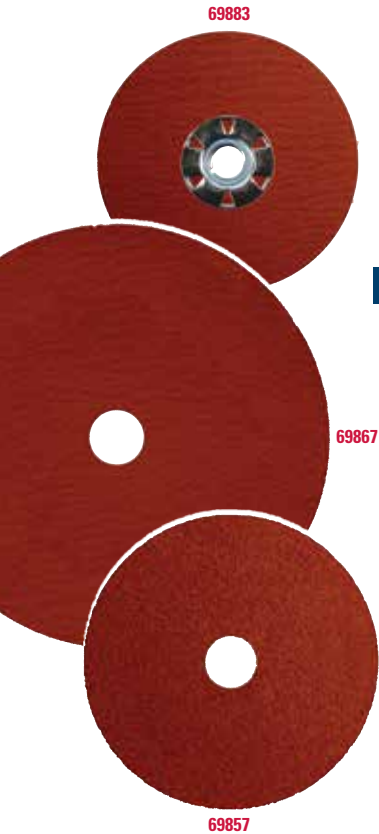
Smoothing the edges of roller coaster track with a resin fiber disc.

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.

APPLICATIONS

- Heavy Stock Removal
- Edge Chamfering
- Weld Blending
- Grinding
- Surface Preparation & Finishing



P

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.

Diameter	Grit Size	Standard Pack	Application	
			STEEL / METAL	STAINLESS ALUMINUM HARD-TO-GRIND
			7/8" Arbor	5/8"-11 Hub
			Item Number	Item Number
4-1/2"	24	25	69850	69880
	36		69851	69881
	50		69852	-
	60		69853	69883
	80		69854	-
5"	24	25	69857	69887
	36		69858	69888
	50		69859	-
	60		69860	69890
7"	24	25	69864	69894
	36		69865	69895
	50		69866	-
	60		69867	-
	80		69868	69898
9"	24	25	69871	-

Do not exceed maximum RPM of back-up pad.

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



P 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

Diameter	Grit Size	Standard Pack	7/8" Arbor	5/8"-11 Hub
			Item Number	Item Number
4-1/2"	36	25	60401	60601
	60		60403	60603
	80		60404	-
5"	24	25	60410	-
	36		60411	60611 •
	80		60414	-
7"	36	25	60421	-
	60		60423	-

Do not exceed maximum RPM of back-up pad.



60603

WHY WEILER

P TIGER® ZIRC RESIN FIBER DISCS Zirconia Alumina / Ceramic Infused for Faster, Longer Grinding
A unique blend of self-sharpening 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

Diameter	Grit Size	Standard Pack	7/8" Arbor	5/8"-11 Hub
			Item Number	Item Number
4-1/2"	24	25	59731	59931 •
	36		59732	59932
	50		59733	-
	60		59734	-
	80		59735	-
	120		59737 •	-
5"	24	25	59701	-
	36		59702	-
	50		59703	-
	60		59704	-
	80		59705	-
	120		59707 •	-
7"	24	25	59711	-
	36		59712	-
	50		59713	-
	60		59714	-
	60		59714	-

Do not exceed maximum RPM of back-up pad.

59932



59702

BONDED ABRASIVES

COATED ABRASIVES

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.



59601



59604



59603

BRUSHES

• Non-stock product, contact Customer Service for lead times and minimum order quantities.



62053



62013

WOLVERINE® ZIRC RESIN FIBER DISCS Zirconia Alumina / Fast Grinding on Metal

Self-sharpening 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**

Diameter	Grit Size	Standard Pack	7/8" Arbor		5/8"-11 Hub
			Item Number		Item Number
4-1/2"	24	25	62002		—
	36		62003		62053 •
	50		62004 •		—
5"	24	25	62012		—
	36		62013		—
	50		62014 •		—
	60		62015 •		—

Do not exceed maximum RPM of back-up pad.

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

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

STEEL / METAL



59492



61503

Diameter	Grit Size	Standard Pack	5/8" Arbor		
			Item Number		
4"	24	25	59491		
	36		59492		
	50		59493		
	60		59494		
	80		59495		
	120		59497 •		
Diameter	Grit Size	Standard Pack	7/8" Arbor		5/8"-11 Hub
			Item Number		Item Number
4-1/2"	24	25	59571		—
	36		59573		—
	50		59575		—
	60		59576		—
	80		59577		—
	120		59579 •		—
5"	24	25	59501		—
	36		59503		61503
	50		59505 •		—
	60		59506		—
	80		59507		—
	7"		16	25	59520
24	59521		—		
36	59523		—		
60	59526 •		—		
80	59527 •		—		
100	59528 •		—		
9"	24	25	59541		—
	80		59547		—

Do not exceed maximum RPM of back-up pad.

BLENDING DISCS

NEW! These improved quick-change discs deliver faster material removal and longer product life. Improved grain retention extends product life up to 50% on resin fiber backing, reducing changeovers and abrasive consumption. Available in ceramic, zirconia alumina, and aluminum oxide grain options, they provide the performance needed for increased productivity when grinding and blending in hard-to-reach areas.



Blending disc smoothing weld seams.

NEW! P CERAMIC ALUMINA / Contaminant-free*

For heavy weld grinding and working with hard-to-grind metals like stainless steel and aluminum.

Diameter	Grit Size	Standard Pack	Resin Fiber Backing		Cloth Backing	
			Type R Item #	Type S Item #	Type R Item #	Type S Item #
2"	36	50	60570	60550	60170	60150
	60		60571	60551	60171	-
	80		60572	-	60172	60152
3"	36	25	60575	60555	60175	60155
	60		60576	60556	60176	60156 •
	80		60577	-	-	-

Ceramic Type R Resin Fiber Backing Color Coding: ○ 36 Grit - White ● 60 Grit - Orange ● 80 Grit - Yellow



WHY WEILER

NEW! P ZIRCONIA ALUMINA / Contaminant-free*

For weld grinding and blending on tool steel, structural steel, and cast iron.

Diameter	Grit Size	Standard Pack	Resin Fiber Backing		Cloth Backing	
			Type R Item #	Type S Item #	Type R Item #	Type S Item #
2"	36	100	60338	-	60738	60778
	60		60341	-	60741	60781
	80		60342	60382	60742	60782
	120		60344	60384	60744	60784
	3"		36	60351	60391	60751
3"	60	60354	-	60754	60794 •	
	80	60355	-	60755	60795 •	
	120	60357	-	60757	60797	



BONDED ABRASIVES

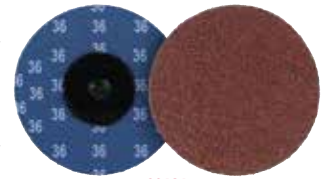
NEW! P ALUMINUM OXIDE

For light grinding and blending metal, fiberglass, plastic, and wood.

Diameter	Grit Size	Standard Pack	Resin Fiber Backing		Cloth Backing	
			Type R Item #	Type S Item #	Type R Item #	Type S Item #
2"	36	100	60660	60640	60118	60040
	60		60663	60643	60121	60043
	80		60664	60644	60122	-
	120		60666	60646	60124	-
	3"		36	60670	60650	60131
3"	60	60673	60653	60134	-	
	80	60674	60654	60135	60057	
	120	60676	60656	60137	60059	

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

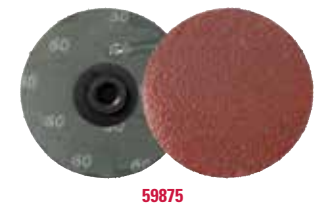
• Non-stock product, contact Customer Service for lead times and minimum order quantities.



COATED ABRASIVES

P TIGER ALUMINUM BLENDING DISCS - Aluminum Oxide

Diameter	Grit Size	Standard Pack	Resin Fiber Backing	
			Type R Item # *	Type S Item # +
2"	36	50	59806	59869
	60		59807	-
	80		-	59871 •
3"	36	25	59811	-
	60		59812	59875
	80		59813	59876



BRUSHES

BLENDING DISC BACK-UP PADS - 1/4" Stem

Diameter	Max. RPM	Standard Pack	Type R Item # *	Type S Item # +
2"	25,000	1	51551	60508
3"	20,000	1	51552	60509

Do not exceed maximum RPM of back-up pad.

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

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

• Non-stock product, contact Customer Service for lead times and minimum order quantities.



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.

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.

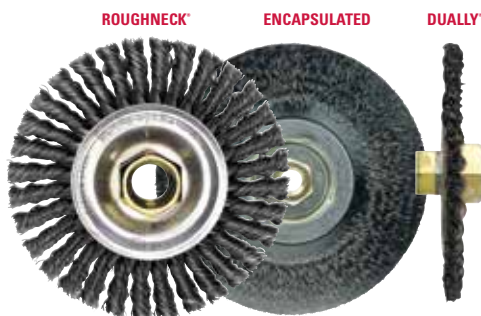


Cable Twist
Provides very aggressive brushing action. Sharp wire tips make this knot aggressive right from the start.



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

BRUSH TYPES



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



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



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



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

THE BEST STRINGER BEAD BRUSHES

Weiler Stringer Bead brushes last longer and clean faster because they are made with the highest quality material and are engineered to optimize performance. Here's why:

BAR NONE

Weiler brush



Competitor brush

Stringer Bead Wheel Brushes tested for 30 minutes at 6,000 RPM against a piece of steel diamond plate using 12 lbs. of pressure.

SUPERIOR MATERIALS:

Weiler uses wire that is **harder, stronger, and more resistant to fatigue**. We utilize high tensile steel wire that is heat-treated to the most exacting standards for superior fatigue resistance and aggressive brushing. Every lot of wire is inspected and tested to ensure consistency and quality.

SUPERIOR DESIGN:

Brushes that are engineered to maximize performance in the field. Our sprocket design eliminates knot movement without pinching and weakening the wire, providing exceptional balance which eliminates brush vibration during operation. In addition, welded side plates further strengthen the construction which translates to more aggressive cleaning and longer brush life.

SUPERIOR CONSTRUCTION:

Sharp wire tips mean faster cleaning action. Trimmed wire ends ensure the wire tips are sharp and ready to work right out of the box. Also the greater knot twist delivers a more aggressive brush and increases brush life.

Refer to ANSI B165.1 for storage & handling details

WHY WEILER

BONDED ABRASIVES

COATED ABRASIVES

BRUSHES

WELD CLEANING BRUSHES

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



UP TO
2X
THE LIFE

ROUGHNECK MAX

MADE IN
USA
WITH GLOBAL
MATERIALS

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

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

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.

Diameter	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Thickness at Face Plates	Max. RPM	Std. Pack	Item Number	
									Steel	Stainless
4"	.020	5/8"-11 UNC	32	3/16"	7/8"	7/16"	20,000	5	13131 ■	13138 ■

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

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



13138

ROUGHNECK

MADE IN
USA
WITH GLOBAL
MATERIALS

P **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	Std. Pack	Item Number	
									Steel	Stainless
Root Pass Brushes										
4"	.020	1/2"-3/8" M10 x 1.25 M14 x 2.0 3/8"-24 UNF 1/2"-13 UNC	32	3/16"	7/8"	7/16"	20,000	5	13124 13125 13127 13128 13130	08954* 13132 13134 • 13135 —
4-1/2"	.020	5/8"-11 UNC 7/8"	38	3/16"	13/16"	3/8"	15,000	5	13232 13234	13238 13249
5"	.020	5/8"-11 UNC 7/8"	38	3/16"	7/8"	3/8"	12,500	5	08756 08750	08806 —
6"	.020	5/8"-11 UNC	48 38 56	3/16"	1-1/8" 1-3/8" 1-1/8"	3/8" 3/8" 7/16"	12,500	10	08766† — 09400 ■	— 08786†• 09500
7"	.020	5/8"-11 UNC	56 76	3/16"	1-1/8"	7/16"	9,000	10	09000 ■ 09100	09200 —
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" 5/8"-11 UNC 5/8"-11 UNC 5/8"-11 UNC	24 24 30 30	1/2" 1/2" 1/2" 5/16"	1-3/8" 1-3/8" 1-1/4" 1-3/8"	9/16" 9/16" 5/8" 1/2"	12,500	10	08775 08776 08916 —	— 08796• 08926• 09396•

• Non-stock product, contact Customer Service for lead times and minimum order quantities.

† Light Duty • Standard Pack 5 * Standard Pack 10

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



13124



09000

08776

THE DUALLY®

MADE IN
USA
WITH GLOBAL
MATERIALS

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

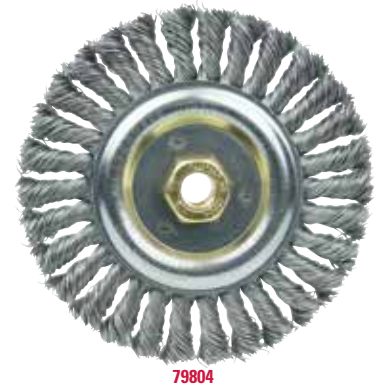
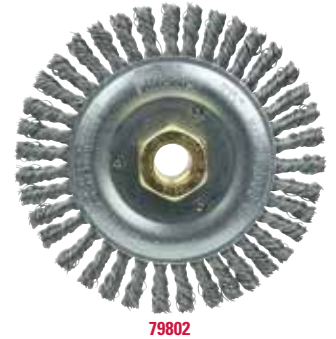


Removing weld slag before the next weld pass.



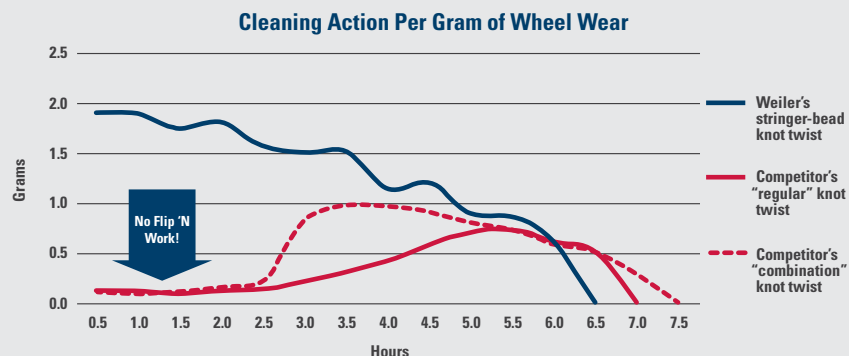
P **DUALLY® STRINGER BEAD WHEELS** feature a dual-hex nut design that simplifies periodic flipping of the wheel for maximum cleaning action, long life, and safer use.

Diameter	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Thickness at Face Plates	Max. RPM	Std. 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	—
6"	.020	5/8"-11 UNC	56	3/16"	1-1/8"	7/16"	12,500	5	79805	—
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	—
6"	.023	5/8"-11 UNC	30	1/2"	1-1/4"	5/8"	12,500	5	79804	—



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.



WHY WEILER

BONDED ABRASIVES

COATED ABRASIVES

BRUSHES



35800



35216

P 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.



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*	
7"	.020	5/8"-11 UNC	56	3/16"	1-1/8"	7/16"	9,000	10	35600	▲
	.014		—						3/8"	5

*Crimped Wire ▲ Stringer Bead Wheels

WOLVERINE®

MADE IN USA
WITH GLOBAL MATERIALS

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.



36219

V 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.

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

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



36225



36297

V 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 cleaning applications.

Dia.	Wire Size	Arbor Hole	No. of Knots	Face Width	Trim Length	Max. RPM	Standard Pack	Item Number	
								Steel	Stainless
5"	.020	5/8"-11 UNC	38	3/16"	7/8"	12,500	5	36295	36296
6"	.020	5/8"-11 UNC	48	1/4"	1-1/4"	12,500	10	36225	—
			38	3/16"	1-3/8"			36307†	—
7"	.020	5/8"-11 UNC	56	3/16"	1-1/8"	9,000	10	36297	—

† Light Duty

Key:

P PERFORMANCE LINE
Industrial Grade

V VALUE LINE
Professional Grade

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
WITH GLOBAL
MATERIALS



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	5/8"-11 UNC	20	3/8"	3/4"	12,500	1	13406	13416
4"	.020	5/8"-11 UNC	20	3/8"	3/4"	12,500	1	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	5/8"-11 UNC	24	1/4"	7/8"	1/2"	7/16"	20,000	5	13266 ■	13276

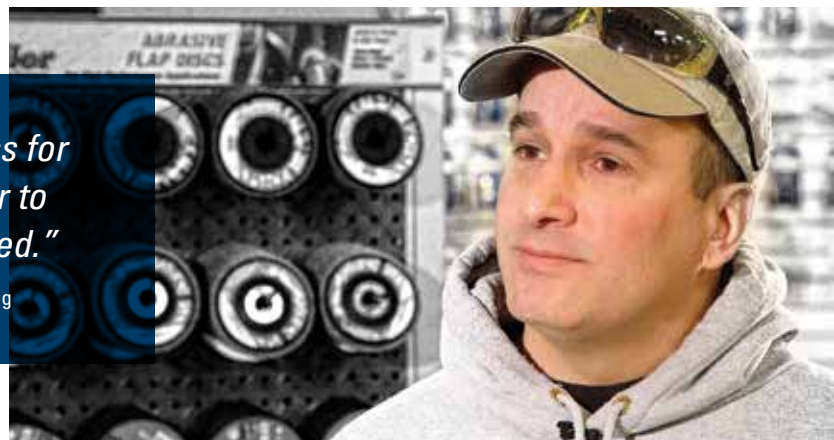
■ Available in Display Pack. Add "P" to end of Item Number when placing order.



13266

"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

BONDED ABRASIVES

COATED ABRASIVES

BRUSHES

WIRE CUP BRUSHES



Knot wire cup brush removing heat discoloration.

MADE IN USA
WITH GLOBAL MATERIALS

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

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"



13021



13258



12316



12276



12376



P KNOT WIRE CUP BRUSHES Single Row

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

Diameter	Wire Size	Arbor Hole	Trim Length	Max. RPM	Standard Pack	Item Number		
						Steel	Stainless	Bronze
2-3/4"	.014	M10 x 1.25	1"	14,000	1	13015	–	–
		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	–	–
		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"	13,300	1	13150	–	–
		M14 x 2.0				13152	–	–
		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"	7,000	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*	–	–
						12856	12886	–
6"	.014 .035	5/8"-11 UNC	1-5/8"	6,000	1	12846	–	–
						12866	–	–

* With internal nut

♦ Cable Twist

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

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

V WOLVERINE® KNOT WIRE CUP BRUSHES Single Row

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

Diameter	Wire Size	Arbor Hole	Trim Length	Max. RPM	Standard Pack	Item Number	
						Steel	Stainless
2-3/4"	.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	—



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 3/8"-24 UNF 5/8"-11 UNC	7/8"	13,300	1	—	13182	—
						13178	—	—
						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 Pack. Add "P" to end of Item Number when placing order.

▲ Available in non-sparking Bronze wire.



V 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
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



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 UNF	10	07746

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



STEM-MOUNTED END BRUSHES

MADE IN
USA
WITH GLOBAL
MATERIALS

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.

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
- Removing die flash and excess molded material
- Deburring internal edges and cross-hole intersections
- Spot facing



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



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.



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	7/8"	25,000		10210	10211	—
	.014				10025 ■	10029	—
	.020				10026 ■	10030	—
1-1/8"	.006				1"	20,000	10
1-1/8"	.0104	1-1/8"	22,000		10212	10213	—
	.0118	—			—	—	
	.014	7/8"			10217	—	—
	.020	10027 ■			10031	—	
		10028 ■			10032	10067	

■ Available in Display Pack. Add "P" to end of Item # when placing order.
• Coated Cup * Globally sourced product

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

V WOLVERINE® KNOT WIRE END BRUSHES

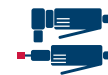
Features a similar hollow-end construction and provides heavy-duty brushing action, but have been engineered to provide cost-effective use for less demanding applications.



Diameter	Wire Size	Trim Length	Max. RPM	Standard Pack	Item Number
					Steel
3/4"	.014	7/8"	22,000	10	36286
	.020				36250
1"	.014	7/8"	22,000	10	36288
	.020				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.



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	10013
	.0104				10002	10014
	.014				10003	10015
	.020				10004	10016
3/4"	.006	7/8"	22,000	10	10005	10017
	.0104				10006	10018
	.014				10007	10019
	.020				10008	10020
1"	.006	1"	22,000	10	10009	10021
	.0104				10010	10022
	.014				10011	10023
	.020				10012	10024
		1-1/8"				

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

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



WHY WELER

V WOLVERINE® 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	Trim Length	Max. RPM	Standard Pack	Item Number	
					Steel	Stainless
1/2"	.0104	7/8"	25,000	10	36282	-
3/4"	.006	7/8"	22,000	10	-	36283
	.0104				36247	-
	.014				36246	-
1"	.006	7/8"	22,000	10	36284	36285
	.0104				36249	-
	.014				36248	-



BONDED ABRASIVES

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				10311	10323

*Patent #8,186,000 B2



COATED ABRASIVES

BRUSHES

Key:

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

CRIMPED WIRE WHEELS

MADE IN
USA
WITH GLOBAL
MATERIALS

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.

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



Removing carbon build-up from an engine.



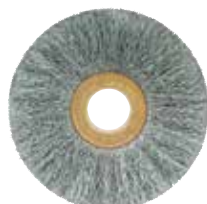
P SMALL DIAMETER WHEELS

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

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	—
	.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	



15473



15533



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



17610



17641

P CONFLEX BRUSHES

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

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 Pack. 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.

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	—



17637



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



WHY WEILER

BONDED ABRASIVES

COATED 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



SMALL HAND SCRATCH BRUSHES

Ideal for cleaning and prepping surfaces.



44075



44551



44189



95151



99383



44732

*Wire drawn

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

+ Countertop display available.

* Wire drawn



VORTEC PRO SMALL HAND SCRATCH BRUSHES

Reliable and efficient brushes at a value price.



44806

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.

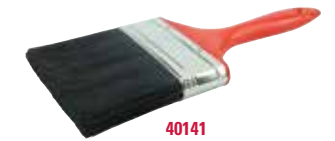


Applying pipe coating to weld seams.

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
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



WHY WEILER

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