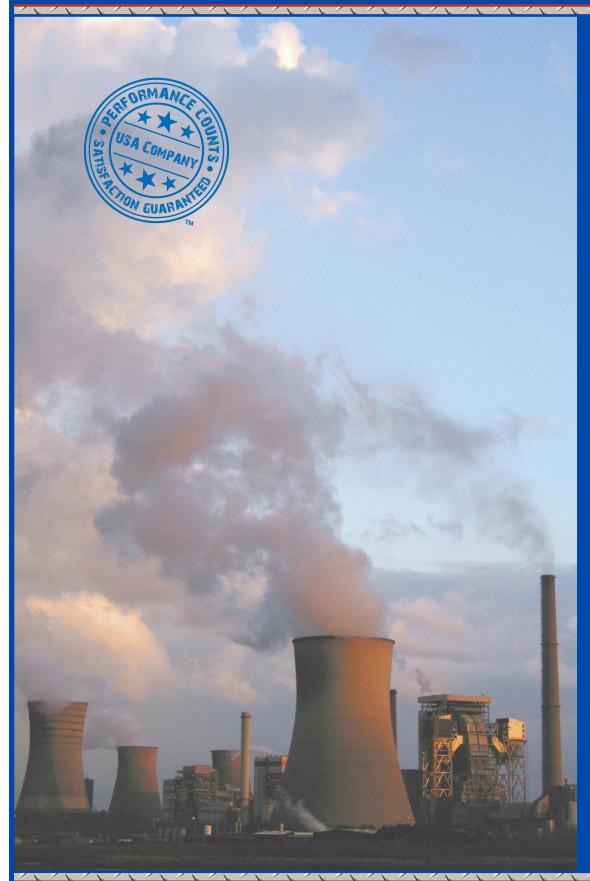
# **Weiler** Power Generation Catalog











- Grinding and Cutting Wheels
- Power Brushes
- **■** Flap Discs
- **Flap Wheels**
- Maintenance Products

# **Introduction & Safety Information**

Since 1898, Weiler Corporation has been dedicated to providing world-class service and surface conditioning solutions to countless industries in over 50 countries worldwide. Operators everywhere know they can trust the Weiler name for high quality, dependable product. Product designed to get the job done safely and efficiently.

When you demand the best, you can count on Weiler to provide performance-engineered brushes and abrasives:

- Fast-Cutting & Long-Lasting Design Increases Productivity
- Quality-Made to ANSI's Safety Standards and Specifications
- Productivity Maximum RPM Clearly Identified on Each Product
  - A Tri-lingual Safety Insert is Included in Each Box of Products

Discerning professionals worldwide choose Weiler - the trusted source for grinding, cutting, cleaning and deburring products.

#### Weiler's Satisfaction Guarantee

Weiler Corporation hereby warrants that its Power Brush, Nylox® Abrasive Filament Brush, Abrasive and Maintenance products shall be free from defects in material and workmanship under normal use and service, for a period of one year from the date of purchase. In the event the customer reasonably becomes dissatisfied with the performance of any of Weiler's products, Weiler will repair or replace the product at no cost to the customer. This repair or replacement is contingent upon prompt written notice and compliance by the customer with instructions given by Weiler regarding the return of the product for evaluation.

This warranty is expressly in lieu of all other warranties, expressed or implied, including the warranties of merchantability and fitness for a particular purpose. Correction in the manner provided hereinabove shall be the extent of Weiler's liability, and no other entity is authorized to extend that liability.

#### Safety Information



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. The operator should also refer to the safety and operating information printed in this catalog and other literature.

#### Safety Standards:

Comply with the safety standards of the American National Standards Institute:

- ÁNSI B165.1 "Sáfety Requirements Power Brushes"
- ANSI B7.1 "Safety Requirements For the Use, Care and Protection of Abrasive Wheels".

Guards: Keep all machine guards in place.



Protective Equipment: Appropriate protective clothing and equipment must be used where there is a possibility of injury that can be prevented by such clothing or equipment.

Speeds: Observe all speed restrictions indicated on brushes, abrasives, containers, labels, or printed in pertinent literature. MSFS means Maximum Safe Free Speed (RPM) - spinning free with no work applied. For reasons of safety, MSFS or Maximum RPM should not be exceeded under any circumstances.



Machine Conditions: Proper maintenance of machines and power tools is essential to keep them in safe operating condition. Special operating instructions furnished should be closely followed. Hoods and safety guards must be kept in

place at all times. Use adequate spindle diameter for the brush – do not use brush larger than the machine was designed for and have sufficient power to maintain rated spindle speeds. Provide proper ventilation and/or exhaust systems on all brush and abrasive operations (ANSI Z88.2)

Dust and Fumes: Wear respiratory protection against this hazard (see ANSI Z88.2).



Safety Goggles: Safety goggles or full face shields worn over safety glasses with side shields MUST BE WORN BY ALL OPERATORS AND OTHERS IN THE AREA OF BRUSH AND

ABRASIVE OPERATIONS. Comply with the requirements of ANSI Z87.1 "Occupational Eye and Face Protection".

Inspection and Storage: Upon receipt, inspect products for damage, rust and deterioration. Store in original containers in a clean, dry location. Do not allow distortion of brush filaments / components or foreign matter to become lodged in brush face.



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

NOTE: Before Starting Product:

Use eye protection and safety equipment. Inspect product for rust, damage, etc. If RPM marked on the power tool is higher than the RPM marked on the product, do not mount the product.

#### And Don't Forget:

Inspect and jog machine to ensure that the product is mounted properly and securely, machine guards are in place, no vibration, etc. Run machine at operating speed for at least one minute before applying work. Do not stand in front of or in line with product.

2 www.weilercorp.com

# **4-1/2" Grinder Accessories**

Tiger® Abrasive Flap Discs - Grind and Finish in One Step!

Description	Dia.	Туре	Max. RPM	Arbor Hole	Grit	Item No.
Zirconium Disc	4-1/2"	T29 - Phenolic Backing	13,000	7/8"	40 60 80	50603 50604 50605
Zirconium Disc	4-1/2"	T29 - Phenolic Backing	13,000	5/8"-11 Nut	40 60 80	50608 50609 50610



Fast-cutting action on hard-to-grind metals such as stainless, inconel and titanium.

Description	Dia.	Туре	Max. RPM	Arbor Hole	Grit	Item No.
Ceramic Disc	4-1/2"	T29 - Phenolic Backing	13,000	7/8"	40 60	50101 50102
Ceramic Disc	4-1/2"	T29 - Phenolic Backing	13,000	5/8"-11 Nut	40 60	50105 50106

#### Vortec Pro® Abrasive Cutting & Grinding Wheels - Fast, burr-free cutting and grinding of various metals.

Description	Dia.	Thickness	Max. RPM	Arbor Hole	Grit	Item No
T1 Thin Cutting Wheel	4-1/2"	1/16"	13,500	7/8"	A60T	56103
T27 Cutting Wheel	4-1/2"	.045"	13,300	7/8"	A60S	56393
T27 Cutting Wheel	4-1/2"	1/8"	13,300	7/8"	A24R	56430
T27 Cutting Wheel	4-1/2"	1/8"	13,300	5/8"-11 Nut	A24R	56429
T27 Grinding Wheel	4-1/2"	1/4"	13,300	7/8"	A24N	56457
T27 Grinding Wheel	4-1/2"	1/4"	13,300	5/8"-11 Nut	A24N	56455

#### Tiger® Abrasive Adapting Nuts

Γ		
	Description	Item No.
	Adapts Discs with 7/8" Arbor Holes to 5/8"-11 Threads	56494

# Weiler® Wire Wheels & Cup Brushes - Fast brushing action on applications such as weld cleaning & paint removal.

Description	Dia.	Wire Size	Face Width	Max. RPM	Arbor Hole	Item No
HFR* Stringer Bead Wheel	4"	.020	3/16"	13,500	5/8"-11 Nut	13381
Roughneck® Stringer Bead Wheel	4"	.020	3/16"	20,000	5/8"-11 Nut	13131
Roughneck® Stringer Bead Wheel	4-1/2"	.020	3/16"	12,500	5/8"-11 Nut	13232
HFR* Stainless Stringer Bead Wheel	4"	.020	3/16"	13,500	5/8"-11 Nut	13388
Roughneck® Stainless Stringer Bead Wheel	4"	.020	3/16"	20,000	5/8"-11 Nut	13138
Roughneck® Stainless Stringer Bead Wheel	4-1/2"	.020	3/16"	12,500	5/8"-11 Nut	13238
Polyflex® Encapsulated	4"	.020	3/16"	20,000	5/8"-11 Nut	35800
Stringer Bead Wheel						
Crimped Cup Brush	3"	.014	-	14,000	5/8"-11 Nut	13245
Crimped Cup Brush	3-1/2"	.014	-	12,000	5/8"-11 Nut	13181
Stainless Crimped Cup Brush	3-1/2"	.014	-	12,000	5/8"-11 Nut	13188
Knot Cup Brush - Single Row	2-3/4"	.020	-	14,000	5/8"-11 Nut	13286
Knot Cup Brush - Single Row	3-1/2"	.023	-	13,000	5/8"-11 Nut	13156
· · · · · ·		.014	-	9,000	5/8"-11 Nut	12736
		.020	-	9,000	5/8"-11 Nut	12746
Stainless Knot Cup Brush - Single Row	3-1/2"	.023	-	13,000	5/8"-11 Nut	13163

<sup>\*</sup>High Filament Retention (HFR) Stringer Bead Wheels are certified to meet qualification criteria per (EPRI) Electric Power Research Institute's report # 1022273.





50105



56430





13138



13245



800-835-9999

# **6" Grinder Accessories**



## Tiger® Abrasive Flap Discs - Grind and Finish in One Step!

Description	Dia.	Туре	Max. RPM	Arbor Hole	Grit	Item No.
Zirconium Disc	6"	T29 - Phenolic Backing	10,200	7/8"	40 60 80	50649 50650 50651
Zirconium Disc	6"	T29 - Phenolic Backing	10,200	5/8"-11 Nut	40 60 80	50659 50660 50661



56273

Vortec Pro® Abrasive Cutti	ng and Grinding Wheels	- Fast, burr-free cutting	and arindina of various metals.
----------------------------	------------------------	---------------------------	---------------------------------

Description	Dia.	Thickness	Max. RPM	Arbor Hole	Grit	Item No.
T1 Thin Cutting Wheel	6"	.045"	10,200	7/8"	A60T	56273
T27 Cutting Wheel	6"	3/32"	10,200	7/8"	A24N	56277
T27 Cutting Wheel	6"	3/32"	10,200	5/8"-11 Nut	A24N	56278
T27 Grinding Wheel	6"	1/4"	10,200	7/8"	A24R	56280
T27 Grinding Wheel	6"	1/4"	10,200	5/8"-11 Nut	A24R	56279



# Tiger® Abrasive Adapting Nuts

Description	Item No.
Adapts Discs with 7/8" Arbor Holes to 5/8"-11 Threads	56494





Weiler® Wire Wheels & Cup Brushes - Fast brushing action on applications such as weld cleaning & paint removal.

Description		Wire Size	Face Width	Max. RPM	Arbor Hole	Item No.
Roughneck® Root Pass Wheel	6"	.020	3/16"	12,500	5/8"-11 Nut	09400
Roughneck® Stainless Root Pass Wheel	6"	.020	3/16"	12,500	5/8"-11 Nut	09500
Filler Pass Wheel	6"	.023	1/2"	12,500	5/8"-11 Nut	08776
Stainless Filler Pass Wheel	6"	.023	1/2"	12,500	5/8"-11 Nut	08796
Knot Cup Brush - Single Row	4"	.023	-	10,200	5/8"-11 Nut	12316



# 7" Grinder Accessories

Tiger® Abrasive Flap Discs - Grind and Finish in One Step!

Description	Dia.	Туре	Max. RPM	Arbor Hole	Grit	Item No.
Zirconium Disc	7"	T29 - Phenolic Backing	8,600	7/8"	40 60 80	50623 50624 50625
Zirconium Disc	7"	T29 - Phenolic Backing	8,600	5/8"-11 Nut	40 60 80	50643 50644 50645



Fast-cutting action on hard-to-grind metals such as stainless, inconel and titanium.

Description	Dia.	Туре	Max. RPM	Arbor Hole	Grit	Item No.
Ceramic Disc	7"	T29 - Phenolic Backing	8,600	7/8"	60	50110
Columnic Disc	,	127 - I nonone backing	0,000	7,0	80	50111
Ceramic Disc	7"	T29 - Phenolic Backing	8,600	5/8"-11 Nut	60	50114
					80	50115

#### Vortec Pro® Abrasive Cutting and Grinding Wheels - Fast, burr-free cutting and grinding of various metals.

Description	Dia.	Thickness	Max. RPM	Arbor Hole	Grit	Item No.
T1 Thin Cutting Wheel	7"	.045"	8,740	7/8"	A60T	56275
T27 Thin Cutting Wheel	7"	.060"	8,500	7/8"	WA60S	56391
T27 Cutting Wheel	7"	1/8"	8,500	7/8"	A24T	56426
T27 Cutting Wheel	7"	1/8"	8,500	5/8"-11 Nut	A24T	56425
T27 Grinding Wheel	7"	1/4"	8,500	7/8"	A24R	56467
T27 Grinding Wheel	7"	1/4"	8,500	5/8"-11 Nut	A24R	56468

#### Tiger® Abrasive Adapting Nuts

Description	Item No.
Adapts Discs with 7/8" Arbor Holes to 5/8"-11 Threads	56494

#### Weiler® Wire Wheels & Cup Brushes - Fast brushing action on applications such as weld cleaning & paint removal.

Description	Dia.	Wire Size	Face Width	Max. RPM	Arbor Hole	Item No.
Roughneck® Stringer Bead Wheel	6-7/8"	.020	3/16"	9,000	5/8"-11 Nut	09000
Roughneck® Stainless Stringer Bead Wheel	6-7/8"	.020	3/16"	9,000	5/8"-11 Nut	09200
Polyflex® Encapsulated Stringer Bead Wheel	7"	.014	3/16"	9,000	5/8"-11 Nut	35216
Filler Pass Wheel	6"	.023	1/2"	12,500	5/8"-11 Nut	08776
Stainless Filler Pass Wheel	6"	.023	1/2"	12,500	5/8"-11 Nut	08796
Knot Cup Brush - Single Row	4"	.023	-	10,200	5/8"-11 Nut	12316
Knot Cup Brush - Single Row	6"	.023	-	6,600	5/8"-11 Nut	12376
Crimped Cup Brush	6"	.014	-	6,600	5/8"-11 Nut	14066



50624



50115



56425







12376



800-835-9999

# 1/4" Stem-Mounted Accessories



56068





52027



10010



10310



10028

Vortec Pro® Abrasive Cutting Wheels - For fast, burr-free cutting of various metals.

Description	Dia.	Thickness	Max. RPM	Arbor Hole	Grit	Item No.
T1 Cutting Wheel	3"	1/16"	25,000	1/4"	A36T	56065
T1 Cutting Wheel	3"	1/16"	25,000	3/8"	A36T	56068

Tiger® Abrasive Mandrels - For use with 56065 & 56068 Cutting Wheels.

Description	Arbor Size	Wheel Thickness	Item No.
Tiger® Abrasive Mounting Mandrels	1/4"	.035 to 1/4"	56489
Tiger® Abrasive Mounting Mandrels	3/8"	.035 to 1/4"	56490

## Tiger® Abrasive Flapper Wheels - High RPM rating provides aggressive cutting action and increased productivity.

Description	Dia.	Width	Max. RPM	Grit	Item No.
Tiger® Flapper Wheel	1"	1"	30,000	60 80 120	52003 52004 52005
Tiger® Flapper Wheel	2"	1"	25,000	60 80 120	52015 52016 52017
Tiger® Flapper Wheel	3"	1"	23,000	60 80 120	52027 52028 52029

## Weiler® End Brushes - High RPM ratings provide faster finishing for the lowest cost-per-piece brushed.

B	D:	W. C.	T 1 1	AA DDAA	I. M
Description	Dia.	Wire Size	Trim Length	Max. RPM	Item No.
Crimped End Brush	1"	.0104	1"	22,000	10010
Stainless Crimped End Brush	1"	.0104	1"	22,000	10022
Controlled Flare End Brush	1"	.014	1"	22,000	10310
Stainless Controlled Flare End Brush	1"	.0104	1"	22,000	10321
Knot End Brush	1-1/8"	.014	7/8"	22,000	10027
Knot End Brush	1-1/8"	.020	7/8"	22,000	10028
Stainless Knot End Brush	1-1/8"	.020	7/8"	22,000	10032



# **Non-Wire Alternative Products**

#### **Weiler® Black Nylox® Ceramic Brushes**

In nuclear plants, Foreign Material Exclusion (FME) programs may require an alternative to wire brushes in some applications. The black ceramic grain abrasive filament makes them a suitable alternative for use in many of these deburring, cleaning and surface-prep operations. Although the composition of the filaments limit the maximum operating speed of these brushes, the black ceramic grain fill material provides a level of aggression that was not previously available in nylon abrasive filament brushes.

#### **Applications**

- Cold weld cleaning (Surface temp. under 140°F/60°C)
- I.D. pipe cleaning
- Spot-facing drilled holes to remove burrs and raised edges

#### **Product Features**

- Aggressive black filament is well-suited for use on inconel, stainless steel and titanium
- Cermic filament works 400% faster than conventional filaments with silicon carbide grain

# Weiler® Narrow Face Wheels - Crimped Ceramic Nylon Abrasive Black Filament For use on-edge for weld prep and cold weld cleaning.

Dia.	Filment Dia./Grit Size	Face Width	Arbor Hole	Max. RPM	Item No.
4"	.055/80	1/2"	5/8"-11 Nut	4,800	31112
4"	.043/120	1/2"	5/8"-11 Nut	4,800	31111

#### Weiler® End Brush - Crimped Ceramic Nylon Abrasive Black Filament - 1/4" Stem - For cleaning in tight areas.

Dia.	Filment Dia./Grit Size	Trim Length	Max. RPM	Item No.
1"	.055/80	1/4"	4,800	86148

# Weiler® Conflex Brushes - Crimped Ceramic Nylon Abrasive Black Filament - 1/4" Stem For O.D. cleaning and cleaning in tight areas and the I.D. of piping.

Γ						
	Dia.	Filment Dia./Grit Size	Face Width	Trim Length	Max. RPM	Item No.
	3"	.043/120	1"	15/16"	4,800	86171
	3"	.055/80	1"	15/16"	4,800	86172

#### Weiler® Hand Scratch Brush - Crimped Ceramic Nylon Abrasive Black Filament - For general purpose cleaning.

Overall Length	Block Type	Brush Part	Grit Size	Trim Length	Item No.
10"	Wood	5"	80	3/4"	44144

#### **Weiler® Grinders by Metabo®**

Virtually indestructible, these grinders are sealed to protect the internal mechanisms from the accumulation of grinding dust particles. Grinders are well-vented for optimum air flow over the motor, ensuring a long life. Engineered by Metabo exclusively for Weiler, these grinders run at the optimum speed of 4,800 RPM to produce the best results with Weiler's black ceramic filament brushes.

#### Right Angle Grinder Features

- Double insulation
- 4,800 RPM
- Deadman switch
- Current interruption protection
- Spindle lock
- Tool-free guard adjustment
- 2-position side handle
- 12.2 Amp
- 5/8"-11 Spindle
- Spanner wrench included

#### Die Grinder Features

- Double insulation
- 4,800 RPM
- Deadman switch
- Spindle lock
- Extended spindle for working in confined areas
- Side handle included
- 8.5 Amp
- 1/4" Collet



31112



86148



86171









800-835-9999

# **Maintenance Products**







42023





44561





44266







## Weiler® Contractor Brooms - Lacquered Hardwood Blocks - Brace Included

Description	Block Size	Fill	Trim Length	Item No.
Contractor Broom - Fine (Use handle #44635)	24"	Flagged Silver Polystyrene	3"	44553
Contractor Broom - Medium (Use handle #44635)	24"	Palmyra	4"	44584
Contractor Broom - Medium (Use handle #44635)	24"	Maroon Polypropylene	3"	44587
Contractor Broom - Coarse (Use handle #44635)	24"	Stiff Blue Polypropylene	3"	44590

#### Weiler® Sweeps - Lacquered Hardwood Blocks

Description	Block Size	Fill	Trim Length	Item No.
Garage Broom (Use handle #44300 or 44561)	24"	Palmyra	4"	42023
Garage Broom (Use handle #44300 or 44561)	24"	Maroon Polypropylene	3-1/4"	42026
Street Broom (Use handle #44020 or 44561)	16"	Natural Palmyra	6-1/4"	70208

#### Weiler® Perma-Sweep™ Floor Sweeps - Synthetic Foam Blocks

Description	Block Size	Fill	Trim Length	Item No.
Perma-Sweep - Fine (Use handle #44301)	24"	Flagged Green Polystyrene	3"	42164
Perma-Sweep - Medium (Use handle #44301)	24"	Yellow Polypropylene	3"	42166
Perma-Sweep - Coarse (Use handle #44301)	24"	Maroon Polypropylene	3"	42168

#### Weiler® Handles - Quality handles constructed for long life!

Description	Length	Dia.	Tip	Item No.
Handle, Clear Laquer Finish	60"	1-1/8"	Tapered Wood	44020
Handle, Clear Laquer Finish	60"	15/16"	Threaded Metal	44300
Perma-Flex™ Handle	60"	15/16"	Threaded Plastic	44301
Fiberglass Handle	60"	1"	Tapered/Threaded	44561
Contractor Broom Handle	60"	1-1/8"	-	44635

## Weiler® Upright & Whisk Brooms -

Description	Fill Material	# of Sews	Trim Length	Overall Length	Item No.
Light Industrial Corn Broom	100% Corn	5	15"	54"	44009
General Purpose Whisk Broom	Corn & Fiber	3	10"	-	44266

## Weiler® Economy Chip & Oil Brushes -

Description	Width	Thickness	Bristle Length	Item No.
Chip & Oil Brush	1/2"	5/16"	1-1/2"	40177
Chip & Oil Brush	1"	5/16"	1-1/2"	40179
Chip & Oil Brush	1-1/2"	5/16"	1-1/2"	40180
Chip & Oil Brush	2"	5/16"	1-1/2"	40181
Chip & Oil Brush	2-1/2"	3/8"	1-1/2"	40182
Chip & Oil Brush	3"	3/8"	1-1/2"	40183
Chip & Oil Brush	4"	5/8"	1-3/4"	40184
Chip & Oil Brush	4"	3/8"	1-3/4"	40185

#### Weiler® Hand Wire Scratch Brushes -

Description	Fill Material	Number of Rows	Block Size	Trim Length	Item No.
Curved Handle Scratch Brush	.012 Steel	3 x 19	13-1/2" x 1"	1"	25150
	.012 Stainless		13-1/2" x 1"		25154
Shoe Handle Scratch Brush	.012 Steel	4 x 16	10" x 1"	1"	25100
	.012 Stainless		10" x 1"		25104
Small Hand Scratch Brush	.006 Stainless	3 x 7	7-1/2" x 1/2"	1/2"	44167
<b>Economy Small Hand Scratch</b>	.006 Stainless		7-1/2" x 1/2"		44806



