

BONDED ABRASIVES

PERFORMANCE YOU EXPECT

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.

We have expanded our line of Bonded Abrasives by adding Cups, Cones & Plugs for metal fabrication. These abrasives deliver the right combination of performance and value. Aluminum oxide grains in combination with a strong bond deliver long product life and a consistent cut-rate for grinding metal. Whether you are in a fab shop, foundry, or shipyard you can count on Tiger A0 to get the job done fast and done right.

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REDUCING VIBRATION

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

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



PUSH VERSUS PULL

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

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



CUTTING ANGLE IRON OR SQUARE TUBING

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

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



ROUND BAR AND ROUND TUBE

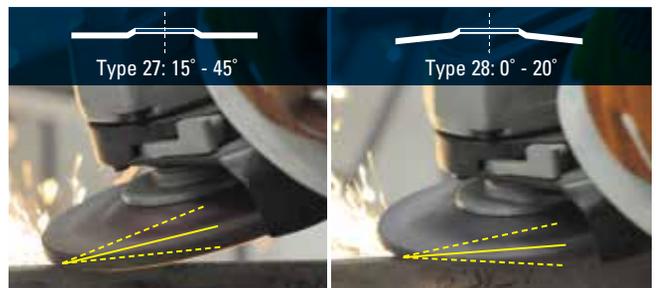
Cutting round bar stock or tubing, is easier since the countered surface provides the same contact surface regardless of angle. Applying light to moderate pressure and consistent movement will provide the most efficient cut and minimize heat build-up.



HEAT DISCOLORATION

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

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



GRINDING ANGLES

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

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

SELECTING THE RIGHT WHEEL

Weiler's 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>BEST ON PIPELINE</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: 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 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

PRODUCT FEATURES

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

Small hub
Conventional hub size



UltraCut true 1mm thickness delivers precise, consistent cuts on thin metal
Smooth outer layer reduces friction which translates to an effortless cut with less kickback

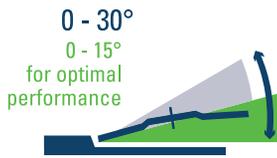
Cut back provides instant aggressive grinding on new wheels

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

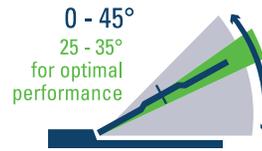
Cutting Type 1 (Flat) Type 27 (Depressed Center)



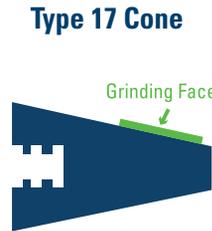
Grinding Type 28 (Depressed Center) Type 27 (Depressed Center)



Designed for increased aggression at lower working angles and increased access

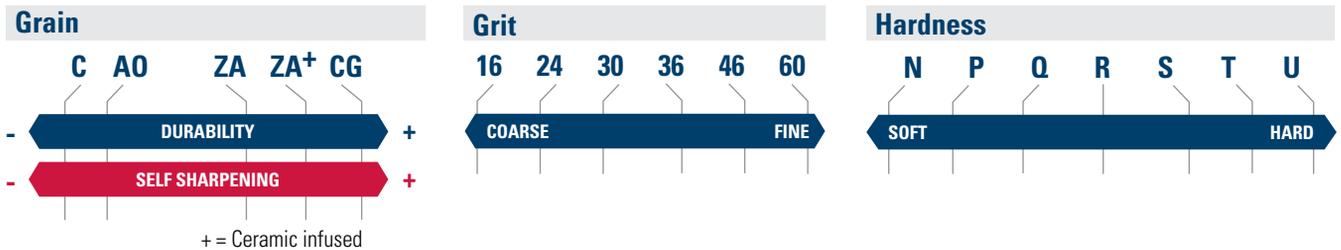


Flat profile with depressed center allows for a wide range of grinding angles (0-45)



GRAIN / GRIT / GRADE

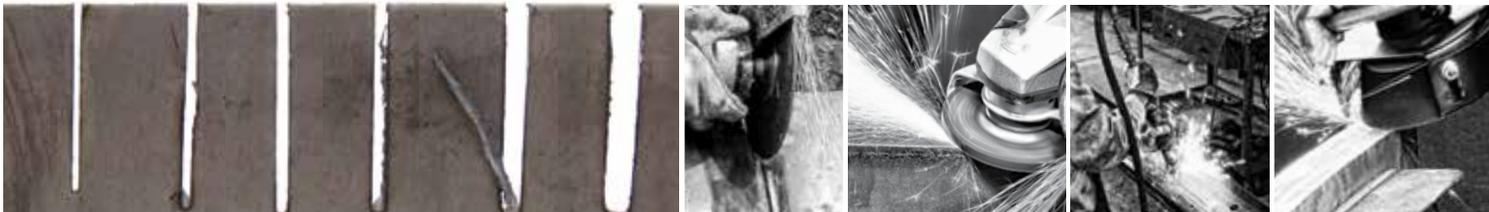
Selecting the best grain, grit and grade combination for your application can increase wheel effectiveness and user productivity. Use the charts below to help pick the right wheel for the job.



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
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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
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WHY WEILER
BONDED ABRASIVES
COATED ABRASIVES
NON-WOVEN ABRASIVES
POWER BRUSHES
NYLON BRUSHES

CUTTING WHEELS



Weiler's diverse line of cutting wheels provide a consistent, well balanced, high quality solution. 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:

- **Dual reinforcement** provides added strength for aggressive cutting.
- **Smooth outer layer** on Tiger wheels reduces friction that translates to an effortless cut and less kickback during operation.
- **Thin** cutting wheels deliver accurate, clean cuts.



Cutting a piece of bar stock with an UltraCut wheel.

TYPE 1 FOR GRINDERS



58006

58131



CASE STUDY: Learn how Tiger ZIRC reduced downtime and abrasives spend for a shipping container fabricator.



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 INOX 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 FOR GRINDERS

P MAX PERFORMANCE CUTTING

STEEL / METAL		TIGER® CERAMIC		TYPE 1		TYPE 27		TYPE 27	
STAINLESS		Superior Life & Cut		7/8" Arbor		7/8" Arbor		5/8"-11 Hub	
HARD-TO-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	8,500	25	58303	25	58311	10	58312



58300

P HIGH PERFORMANCE CUTTING

STEEL / METAL		TIGER ZIRC / Fast Cut & Long Life		TYPE 1		TYPE 27		TYPE 27	
				7/8" Arbor		7/8" Arbor		5/8"-11 Hub	
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	.045"	Z60T	13,300	25	58000	25	58020	10	58030
5"	.045"	Z60T	12,200	25	58001	25	58021	10	58031
6"	.045"	Z60T	10,200	25	58002	25	58022	10	58032
7"	.060"	Z60T	8,500	25	58003	25	58023	10	58033

STAINLESS		TIGER INOX / Contaminant-free*		TYPE 1		TYPE 27		TYPE 27	
				7/8" Arbor		7/8" Arbor		5/8"-11 Hub	
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	.045"	INOX60S	13,300	25	58100	25	58110	10	58109
5"	.045"	INOX60S	12,200	25	58101	25	58111	—	—
6"	.045"	INOX60S	10,200	25	58102	25	58112	10	58113
7"	.060"	INOX60S	8,500	25	58103	25	58107	—	—

ALUMINUM		TIGER ALUMINUM / Non-loading / Contaminant-free*		TYPE 1		TYPE 27		TYPE 27	
				7/8" Arbor		7/8" Arbor		5/8"-11 Hub	
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	.045"	ALU60S	13,300	25	58200	25	58205	10	58206
5"	.045"	ALU60S	12,200	25	58201	25	58207	10	58208
6"	.045"	ALU60S	10,200	25	58202	25	58209	10	58210
7"	.060"	ALU60S	8,500	25	58203	25	58211	10	58212



58000



58110



58206

P PERFORMANCE CUTTING

STEEL / METAL		TIGER AO / Long Life		TYPE 1		TYPE 27		TYPE 27	
				7/8" Arbor		7/8" Arbor		5/8"-11 Hub	
Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #	Std. Pack	Item #
4-1/2"	.045"	A60T	13,300	25	57020	25	57041	10	57040
	1/16"	A36T		25	57061	—	—	—	—
	3/32"	A36S		—	—	25	57081	10	57080
5"	.045"	A60T	12,200	25	57021	25	57043	10	57042
	3/32"	A36S		—	—	25	57083	10	57082
	3/32"	A36S		—	—	25	57083	10	57082
6"	.045"	A60T	10,200	25	57022	25	57045	10	57044
7"	.060"	A60T	8,500	25	57023	25	57046	10	57048
9"	1/16"	A60T	6,600	—	—	25	57047	10	57049

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



57040

V CUTTING

STEEL / METAL		WOLVERINE® AO / Fast Cutting		TYPE 1		TYPE 27	
				5/8" Arbor		5/8" Arbor	
Dia.	Thickness	Grade	Max. RPM	Pack	Item #	Pack	Item #
4"	.035"	A60T	19,000	25	56271	—	—
4"	3/32"	A24T	15,200	—	—	25	56474
5"	.035"	A60T	12,200	25	56108	—	—



56474

V CUTTING

STEEL / METAL		WOLVERINE AO / Fast Cutting		TYPE 1		TYPE 27		TYPE 27	
				7/8" Arbor		7/8" Arbor		5/8"-11 Hub	
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	8,500	25	56275	—	—	—	—
	.060"	A60S		—	—	25	56391	—	—
	3/32"	A24R		—	—	25	56383	10	56477



56103

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

WHY WEILER

BONDED ABRASIVES

COATED ABRASIVES

NON-WOVEN ABRASIVES

POWER BRUSHES

NYLON BRUSHES

PACKAGED ITEMS

MAINTENANCE

TYPE 1 CUTTING WHEELS FOR DIE GRINDERS



58348



58011



57070



56128

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	58351	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

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	57065	100	57001
	1/16"	A36T			57066		57060
	1/8"	A36T			57068		57063
4"	.035"	A60T	19,000	25	57075	25	57070
	1/16"	A36T			57076		57071
	1/8"	A36T			57077		57072

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		100	56015	100	56129
	1/8"	A36S		100	56022	100	56130
3"	.035"	A60T	25,000	100	56061	100	56062
	1/16"	A36T		100	56065	100	56068
	1/16"	A60T		—	—	100	56070
	1/8"	A36T		100	56270	100	56076
	1/8"	A36S		50	56060	—	—
	1/8"	A36S		25	56165	25	56080
4"	.035"	A60T	19,000	25	56166	25	56086
	1/16"	A36T		—	—	25	56099
	1/8"	A36T		—	—	25	56099
	1/8"	A36S		25	56167	—	—

SNAGGING WHEELS FOR DIE GRINDERS



57064



56064



57074

P PERFORMANCE SNAGGING

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 #
3"	1/4"	A24T	25,000	40	57069	40	57064
4"	1/4"	A24T	15,300	10	57078	10	57073

V VALUE SNAGGING

STEEL / METAL 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	40	56163

P PERFORMANCE SNAGGING

STEEL / METAL TIGER AO / Long Life

Dia.	Thickness	Grade	Max. RPM	TYPE 27 3/8" Arbor	
				Pack	Item #
4"	1/4"	A24T	15,300	10	57074

TYPE 1 FOR CHOP SAWS

NEW!



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	25	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"	A36P	Single Center Reinforcement For + Speed	4,400	10	57084
14"	3/32"	1"	A36P	Stud Cutting	4,400	10	57085
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.

TYPE 1

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	25	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

TYPE 1 FOR HIGH SPEED SAWS

NEW!



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

TYPE 1

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	25	57030
12"	1/8"	20 mm	A30T	Long Life Cutting	6,400	25	57031
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"	1"	A30T	Triple Reinforcement For + Support	5,500	10	57034
14"	1/8"	20 mm	A30T	Triple Reinforcement For + Support	5,500	10	57035

TYPE 1

TYPE 1 FOR STATIONARY SAWS

NEW!



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
16"	1/8"	1"	A30S	Long Life Cutting	3,850	10	57089
20"	1/8"	1"	A30S	Long Life Cutting	3,100	10	57097

TYPE 1

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

TYPE 1

STUD CUTTING

HIGH PERFORMANCE

RAIL CUTTING

TRIPLE REINFORCEMENT FOR + SUPPORT



57085

57086

58028

57034

GRINDING WHEELS 0 - 45°



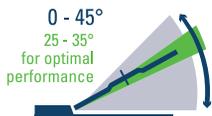
Grinding on a platform for weld preparation.

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

FEATURES:

- Tiger type 27 grinding wheels are designed with fiberglass **cut back** from the edge to provide instant aggressive grinding right out of the box.
- **Triple fiberglass reinforcement** provides added strength for aggressive stock removal.
- Type 28 grinding wheels with a concave "or saucer" shape are designed for increased aggression at **lower working angles** and increased access to the work piece.

TYPE 27 FOR GRINDERS



58326



58079



58120



58225



57120

P MAX PERFORMANCE GRINDING

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

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"	1/4"	CER24R	15,300	10	58335	—	—	—	—
4-1/2"	1/4"	CER24R	13,300	—	—	10	58325	10	58326
5"	1/4"	CER24R	12,200	—	—	10	58327	10	58328
6"	1/4"	CER24R	10,200	—	—	10	58329	10	58330
7"	1/4"	CER24R	8,500	—	—	10	58331	10	58332
9"	1/4"	CER24R	6,600	—	—	10	58333	10	58334

P HIGH PERFORMANCE GRINDING

STEEL / METAL TIGER ZIRC / Ceramic-infused
Fast Cut & 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"	1/4"	Z24T	15,300	10	58069	—	—	—	—
4-1/2"	1/4"	Z24T	13,300	—	—	10	58071	10	58070
5"	1/4"	Z24T	12,200	—	—	10	58073	10	58072
6"	1/4"	Z24T	10,200	—	—	10	58079	10	58078
7"	1/4"	Z24T	8,500	—	—	10	58075	10	58074
9"	1/4"	Z24T	6,600	—	—	10	58077	10	58076

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	8,500	—	—	10	58125	10	58124
9"	1/4"	INOX24R	6,600	—	—	10	58127	10	58126

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
7"	1/4"	ALU24R	8,500	—	—	10	58231	10	58232
9"	1/4"	ALU24R	6,600	—	—	10	58233	10	58234

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"	1/4"	A24R	15,300	10	57119	—	—	—	—
4-1/2"	1/4"	A24R	13,300	—	—	10	57121	10	57120
5"	1/4"	A24R	12,200	—	—	10	57123	10	57122
6"	1/4"	A24R	10,200	—	—	10	57129	10	57128
7"	1/4"	A24R	8,500	—	—	10	57125	10	57124
9"	1/4"	A24R	6,600	—	—	10	57127	10	57126

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

CASE STUDY: Learn how Tiger Ceramic increased productivity and reduced cost for a steel fabrication company.



WHY WEILER

BONDED ABRASIVES

COATED ABRASIVES

NON-WOVEN ABRASIVES

POWER BRUSHES

NYLON BRUSHES

PACKAGED ITEMS

MAINTENANCE

V GRINDING

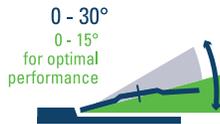
STEEL / METAL WOLVERINE® AO / Fast Cutting

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	8,500	—	—	10	56467	10	56468
9"	1/4"	A24R	6,600	—	—	10	56469	10	56470



56473

TYPE 28 FOR GRINDERS



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	8,500	10	58081	10	58080
9"	1/4"	Z24T	6,600	10	58083	10	58082



58081



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	8,500	10	57135	10	57134
9"	1/4"	A24R	6,600	10	57137	10	57136



57134



ACCESSORIES

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

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



56494

56495

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

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



56489

*Combination pack

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

COMBO WHEELS



Weld removal with Tiger combo wheel.

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

TYPE 27 FOR GRINDERS

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	8,500	25	58321	10	58322
9"	1/8"	CER30T	6,600	25	58323	10	58324

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	8,500	25	58056	10	58055
9"	1/8"	Z30T	6,600	25	58058	10	58057

STAINLESS TIGER INOX / Contaminant-free*

4-1/2"	1/8"	INOX30T	13,300	25	58115	10	58114
7"	1/8"	INOX30T	8,500	25	58117	10	58116
9"	1/8"	INOX30T	6,600	25	58119	10	58118

ALUMINUM TIGER ALUMINUM / Non-loading / Contaminant-free*

4-1/2"	1/8"	ALU30T	13,300	25	58215	10	58216
5"	1/8"	ALU30T	12,200	25	58217	10	58218
6"	1/8"	ALU30T	10,200	25	58219	10	58220
7"	1/8"	ALU30T	8,500	25	58221	10	58222

P PERFORMANCE CUT / GRIND COMBO

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	8,500	25	57105	10	57104
9"	1/8"	A30S	6,600	25	57107	10	57106

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	8,500	25	56426	10	56425
9"	1/8"	A24T	6,600	25	56424	10	56423

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



PIPELINE WHEELS

TYPE 27 FOR PIPELINE

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

NEW: 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 & BENEFITS:

Do NOT Chip

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

Reduced Chatter

Superior Cut & Life

One Wheel for



GRINDING

NOTCHING

NEW



58090

58094

P

HIGH PERFORMANCE PIPELINE GRINDING WHEELS

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

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	8,500	10	58094
9"	1/8"	Z30T	6,600	10	58095

TYPE 27
5/8"-11 Nut

TYPE 27 FOR MECHANIZED PIPE WELDING

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

FEATURES & BENEFITS:

Designed to Fit

Tiger Mech reaches the bead without widening the bevel

Optimized Performance

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

Superior Cut & Life



NOTCHING

NEW



58066

58067

P

HIGH PERFORMANCE MECH NOTCHING WHEELS

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

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

TYPE 27
5/8"-11 Nut

+ Specific size for mechanized pipe welds

**RISE'N
GRIND**



CUPS, CONES & PLUGS



Weiler Tiger AO cups, cones and plugs deliver the right combination of performance and value. Aluminum oxide grains in combination with a strong bond deliver long product life and a consistent cut-rate for grinding metal. Whether you are in a fab shop, foundry, or shipyard you can count on Tiger AO to get the job done fast and done right.



Type 11 Cup Rock for snagging and heavy stock removal.



AVAILABLE MAY 2021

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

APPLICATION:

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



68356

NEW!

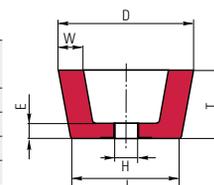
P

PERFORMANCE GRINDING

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

*Reinforced metal back



73054

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

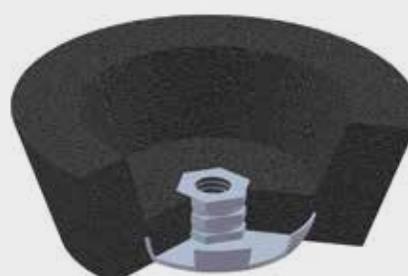
Diameter	Thickness	Std. Pack	Item #
2"	1/4"	1	73054

ANCHORED NUT INCREASES SAFETY

4" & 5"



6"



CONES AND PLUGS

FOR STRAIGHT & DIE GRINDERS



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

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
- **Zinc plated nut** prevents oxidation, eliminating contamination and allowing for easy mounting
- **Precision balanced** to ensure smooth, vibration free operation and reduced operator fatigue

APPLICATION:

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

ANCHORED NUT INCREASES SAFETY



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

AVAILABLE MAY 2021

NEW!

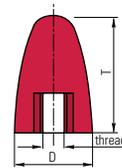
TYPE 16 CONES

P

PERFORMANCE GRINDING

TIGER AO / Long Life

Diameter (D)	Thickness (T)	Arbor (Thread)	Grade	Max. RPM	Std. Pack	Item #
1"	3"	3/8"-24 Nut	A24R	36,290	12	68300
1-1/2"	2-1/2"	3/8"-24 Nut	A24R	24,190	12	68302
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



NEW!

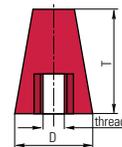
TYPE 17 CONES

P

PERFORMANCE GRINDING

TIGER AO / Long Life

Diameter (D)	Thickness (T)	Arbor (Thread)	Grade	Max. RPM	Std. Pack	Item #
1-1/2"	3"	3/8"-24 Nut	A24R	24,190	12	68315
1-3/4"	3"	5/8"-11 Nut	A24R	20,740	12	68316
2"	3"	5/8"-11 Nut	A24R	18,145	12	68317



NEW!

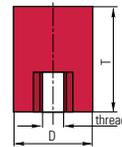
TYPE 18 PLUGS

P

PERFORMANCE GRINDING

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



NEW!

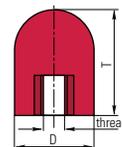
TYPE 18R PLUGS

P

PERFORMANCE GRINDING

TIGER AO / Long Life

Diameter (D)	Thickness (T)	Arbor (Thread)	Grade	Max. RPM	Std. Pack	Item #
1-1/2"	3"	3/8"-24 Nut	A24R	24,190	12	68325
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



BONDED ABRASIVES

COATED ABRASIVES

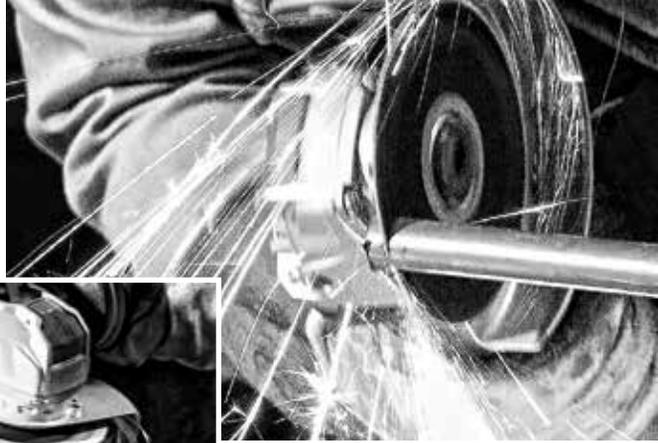
NON-WOVEN ABRASIVES

POWER BRUSHES

NYLON BRUSHES

PACKAGED ITEMS

MAINTENANCE

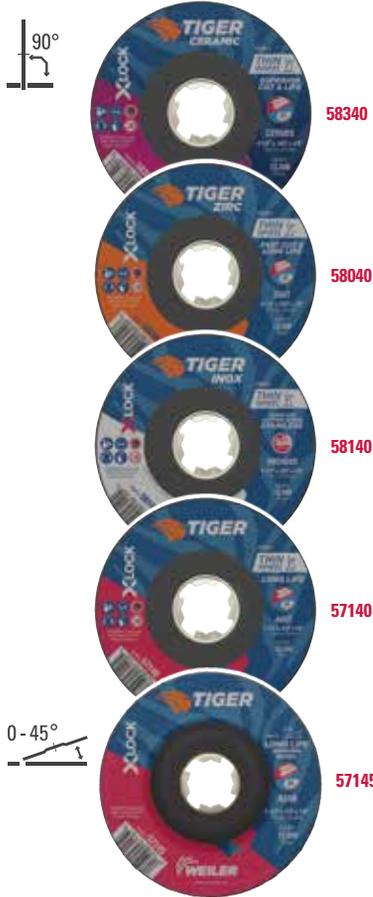


Industrial Performance in a Quick-Change X-LOCK Arbor

Weiler's line of Tiger abrasives are now available with an X-LOCK quick connection for Bosch grinders. Available in 4-1/2" sizes, this select offering of cutting wheels, grinding wheels, and flap discs deliver the performance needed in the most demanding metal fabrication applications.



XLOCK	✓
M14 / Ø 22,23	✓



MAX PERFORMANCE CUTTING

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



Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #
4-1/2"	.045"	CER60S	13,300	25	58340

HIGH PERFORMANCE CUTTING

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



Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #
4-1/2"	.045"	Z60T	13,300	25	58040

STAINLESS **TIGER INOX** / Contaminant-free*

4-1/2"	.045"	INOX60S	13,300	25	58140
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PERFORMANCE CUTTING

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



Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #
4-1/2"	.045"	A60T	13,300	25	57140

PERFORMANCE GRINDING

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



Dia.	Thickness	Grade	Max. RPM	Std. Pack	Item #
4-1/2"	1/4"	A24R	13,300	10	57145



MAX PERFORMANCE / TIGER® CERAMIC

Top coated for cool grinding / Ceramic Alumina
 Phenolic Backing / Contaminant-free*



Diameter	Grit Size	Maximum RPM	Standard Pack	Item Number
4-1/2"	40	13,000	10	50196
	60			50197

PERFORMANCE / TIGER® PAW

Aggressive stock removal for edge grinding / 100% Zirconia Alumina
 Phenolic Backing / Contaminant-free*



Diameter	Grit Size	Maximum RPM	Standard Pack	Item Number
4-1/2"	40	13,000	10	51245
	60			51246



WEILER WAS FIRST

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

Weiler recently expanded it's Flap Disc line. Weiler Tiger Aluminum discs offer a paired flap design that delivers high performance grinding on aluminum. The top flaps have a calcium stearate coating that eliminates loading and allows the disc to maintain a high cut-rate, while the alternating flaps aggressively remove material with self-sharpening zirconia aluminum grains.

Technical Information	26-29
Flap Discs	30-35
Resin Fiber Discs.....	36-39
Blending Discs.....	40
Trim-Kut® Discs.....	41
Flap Wheels.....	42-43
Shop Rolls	44

COATED ABRASIVES

SOLUTIONS SHOWCASE

STEEL PIPING

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

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



STEEL CHANNEL

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

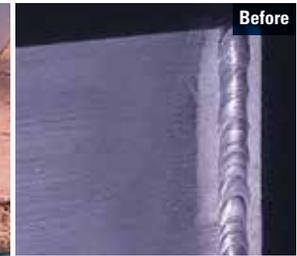
Solution: Weiler's coated abrasive flap wheels are flexible grinding products that are ideal for light stock removal applications. A 60 grit wheel can be used to remove a large burr and produce a smooth blended edge.

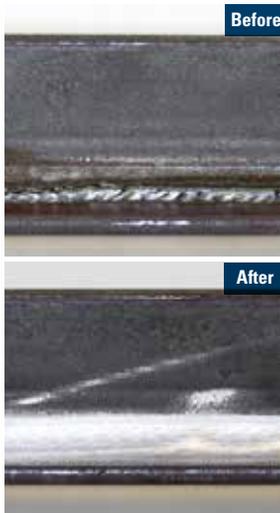


ALUMINUM FRAMES

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

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

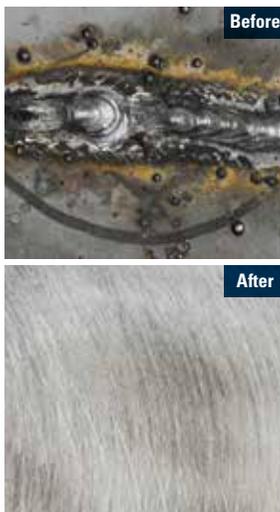




STRUCTURAL STEEL BEAM

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

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



TANK AND PRESSURE VESSEL

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

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



STEEL RACK BRACES

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

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

SELECTING THE RIGHT FLAP DISC

Weiler's abrasive flap discs grind and finish in one step, saving you time and money. There's no switching from a type 27 grinding wheel to a resin fiber disc.



P MAX PERFORMANCE



TIGER® CERAMIC

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

GRAIN TYPE

Ceramic alumina

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

STYLES



BEST ON

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

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

P HIGH PERFORMANCE



TIGER X

- **FLAT SURFACE GRINDING**
- Less effort required
- Fast grinding & long life

GRAIN TYPE

Ceramic & zirconia alumina

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

STYLES



BEST ON

STEEL / METAL **STAINLESS**

(Metal includes structural steel and cast iron)

P PERFORMANCE



TIGER PAW

- **SUPERIOR EDGE GRINDING**
- Aggressive stock removal

GRAIN TYPE

100% zirconia alumina

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

STYLES



BEST ON

STEEL / METAL **STAINLESS**

(Metal includes structural steel and cast iron)

V VALUE



WOLVERINE®

- 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)



TRIMMABLE
(Non-Marking)



ALUMINUM BACK
(Rigid Support)



ALUMINUM
(Non-Loading)



MINI
(Tight Spaces)



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.



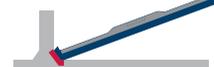
HIGH DENSITY (Type 27)
0° – 15°



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



ANGLED (Type 27 / Hybrid)
0° – 35°



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

GRIT

Coarse Grit

36

40

60

80

Fine Grit

120

HEAVY STOCK REMOVAL

EDGE BEVELING / CHAMFERING

WELD GRINDING / BLENDING

DEBURR / DEFLASH

RUST REMOVAL / BLENDING

CLEANING / FINISHING

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



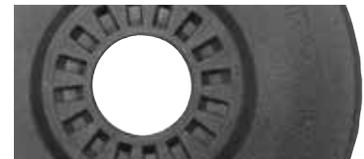
Prevents backing from scratching the workpiece.

ALUMINUM



Rigid support for maximum aggression; recyclable.

COMPOSITE*



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

*BobCat™ Discs are not Trimmable.

ARBOR

5/8" - 11 NUT

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



OPEN ARBOR

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



MOUNTING DISCS WITH OPEN ARBORS



- Adapting Nut
- Abrasive Flap Disc
- Adapting Nut
- Right Angle Grinder

MANDRELS & METAL HUB PADS

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



- Type R hub pad + mandrel
- Type S hub pad + mandrel
- Type S mandrel

STANDARD DENSITY FLAP DISCS



MADE IN
USA
WITH GLOBAL
MATERIALS

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



Grinding & blending a weld between two Steel plates.

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	5/8"-11 Hub
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #
4-1/2"	36	13,000	10	50100	50104♦
	40			50101	50105♦
	60			50102	50106♦
	80			50103	50107♦
5"	40	12,000	10	50538 •	—
	60			50539 •	—
	80			50540 •	—
7"	36	8,600	10	50108	50112♦
	40			50109	50113♦
	60			50110	50114♦
	80			50111	50115♦

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



50106

P HIGH PERFORMANCE / TIGER X

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

STEEL / METAL	STAINLESS	TYPE 29		TYPE 29		TYPE 27	
		7/8" Arbor	5/8"-11 Hub	7/8" Arbor	5/8"-11 Hub	7/8" Arbor	5/8"-11 Hub
Diameter	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #	Item #
4-1/2"	36	13,000	10	51200	51204♦	—	—
	40			51201	51205♦	51223	51226♦
	60			51202	51206♦	51224	51227♦
	80			51203	51207♦	51225	51228♦
	80			51203	51207♦	51225	51228♦
5"	36	12,000	10	51208	—	—	—
	40			51209	51212♦	—	—
	60			51210	51213♦	—	—
	80			51211	51214♦	—	—
6"	40	10,200	10	51237	51241♦	—	—
	60			51238	51242♦	—	—
	80			51239 •	51243♦ •	—	—
	80			51239 •	51243♦ •	—	—
7"	36	8,600	10	51215	51219♦	—	—
	40			51216	51220♦	51229	51232♦
	60			51217	51221♦	51230	51233♦
	80			51218	51222♦	51231	51234♦
	80			51218	51222♦	51231	51234♦



51205

P PERFORMANCE / ORIGINAL TIGER

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

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



50601

• 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)

P

PERFORMANCE / TIGER PAW™

Aggressive Stock Removal for Edge Grinding / 100% 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" Arbor	TYPE 27 7/8" Arbor	TYPE 27 5/8"-11 Hub
Dia.	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #	Item #	Item #	Item #
4"	36	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	-	51128	51153♦	-	51182	51155♦
	40			-	51129	51132♦	-	51134	51156♦
	60			-	51130	51133♦	-	51135	51157♦
	80			-	51131	51154♦	-	51183	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♦	-	51138	51142♦
	80			-	-	51148♦	-	-	51143♦



WHY WEILER
BONDED ABRASIVES
COATED ABRASIVES
NON-WOVEN ABRASIVES
POWER BRUSHES
NYLOX BRUSHES
PACKAGED ITEMS
MAINTENANCE

V

WOLVERINE®

Consistent Performance / Zirconia Alumina / Phenolic Back

STEEL / METAL				TYPE 29 5/8" Arbor	TYPE 29 7/8" Arbor	TYPE 29 5/8"-11 Hub	TYPE 27 7/8" Arbor	TYPE 27 5/8"-11 Hub
Dia.	Grit	Max. RPM	Std. Pack	Item #	Item #	Item #	Item #	Item #
4"	36	15,000	10	31337	-	-	-	-
	40			31338	-	-	-	-
	60			31339	-	-	-	-
	80			31340	-	-	-	-
	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♦	31405	-
5"	36	12,000	10	-	31355	-	-	-
	40			-	31356	-	-	-
	60			-	31357	-	-	-
	80			-	31358	-	-	-
6"	40	10,200	10	-	31447 •	31451♦ •	-	-
	60			-	31448 •	31452♦ •	-	-
	80			-	31449 •	31453♦ •	-	-
7"	36	8,600	10	-	31361	31367♦	-	31419♦
	40			-	31362	31368♦	31414	31420♦
	60			-	31363	31369♦	31415	31421♦
	80			-	31364	31370♦	-	31422♦



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



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

MADE IN USA
WITH GLOBAL MATERIALS



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



25MM WIDE FLAPS
INDUSTRY STANDARD

30MM WIDE FLAPS
BIG CAT & TIGER PAW HD

INDUSTRY-LEADING FOOTPRINT

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



50134

P MAX PERFORMANCE / TIGER® CERAMIC HD (SABER TOOTH)

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

Diameter	Grit	Max. RPM	Std. Pack	TYPE 27	
				7/8" Arbor	5/8"-11 Hub
4-1/2"	40	12,000	10	Item #	Item #
	60			50130	50133♦
	80			50131	50134♦
7"	40	8,600	10	50132	50135♦
	60			50136	50139♦
	80			50137	50140♦
				50138	50141♦



50804

P HIGH PERFORMANCE / TIGER BIG CAT® HD

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

Diameter	Grit	Max. RPM	Std. Pack	TYPE 27	
				7/8" Arbor	5/8"-11 Hub
4-1/2"	40	12,000	10	Item #	Item #
	60			50803	50808♦
	80			50804	50809♦
	120			50805	50810♦
7"	40	8,600	10	50806	–
	60			50823	50843♦
	80			50824	50844♦
	120			50825	50845♦
				–	50846♦



51165

P PERFORMANCE / TIGER PAW™ HD

Aggressive Stock Removal on Irregular Surfaces
100% Zirconia Alumina / Phenolic Back / Contaminant-free*

Diameter	Grit	Max. RPM	Std. Pack	TYPE 29		TYPE 27	
				7/8" Arbor	5/8"-11 Hub	7/8" Arbor	5/8"-11 Hub
4-1/2"	36	12,000	10	Item #	Item #	Item #	Item #
	40			51060 •	51064♦ •	51160	51164♦
	60			51061	51065♦	51161	51165♦
	80			51062 •	51066♦ •	51162	51166♦
5"	40	12,000	10	51063 •	51067♦ •	51163	51167♦
	60			–	–	51195 •	–
	80			–	–	51196 •	–
	–			–	–	51197 •	–
6"	40	10,200	10	–	–	51199 •	51187 •
	60			–	–	51184 •	51188 •
	80			–	–	51185 •	51189 •
7"	40	8,600	10	–	–	51170	51168♦
	60			–	–	51171	51169♦



31388

V WOLVERINE® HD

Consistent Performance on Irregular Surfaces / Zirconia Alumina / Phenolic Back

Diameter	Grit	Max. RPM	Std. Pack	TYPE 27	
				7/8" Arbor	5/8"-11 Hub
4-1/2"	40	12,000	10	Item #	Item #
	60			31387	31390♦
	80			31388	31391♦
6"	40	10,200	10	31389	31392♦
	60			31439 •	31443♦ •
	60			31440 •	31444♦ •
	80			31441 •	31445♦ •

• 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

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

MADE IN USA
WITH GLOBAL MATERIALS



Chamfering an aluminum extrusion preparing for weld

P HIGH PERFORMANCE / TIGER® ALUMINUM BACK

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

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

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



FOR ALUMINUM

NEW!

COMING OCTOBER 2020

Tiger Aluminum flap discs offer an innovative paired flap design that delivers high performance grinding on aluminum. The top flaps have a calcium stearate coating that eliminates loading and allows the disc to maintain a high cut-rate, while the alternating flaps aggressively remove material with self-sharpening zirconia aluminum grains.

CONICAL

P HIGH PERFORMANCE / TIGER ALUMINUM

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

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

FLAT

P HIGH PERFORMANCE / TIGER ALUMINUM

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

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



51250



51257

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)

NYLON BRUSHES

PACKAGED ITEMS

MAINTENANCE

ANGLED DISCS

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



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



51313

P MAX PERFORMANCE / TIGER® CERAMIC ANGLED

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

		STEEL / METAL		STAINLESS		HARD-TO-GRIND		ALUMINUM		7/8" Arbor		5/8"-11 Hub	
Diameter	Grit									Item #	Item #		
4-1/2"	40									51312	51315		
	60									51313	51316		
	80									51314	51317		
5"	40									51318	51321		
	60									51319	51322		
	80									51320	51323		



51303

P HIGH PERFORMANCE / TIGER ANGLED

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

		STEEL / METAL		STAINLESS		HARD-TO-GRIND		ALUMINUM		7/8" Arbor		5/8"-11 Hub	
Diameter	Grit									Item #	Item #		
4-1/2"	40									51300	51303		
	60									51301	51304		
	80									51302	51305		
5"	40									51306	51309		
	60									51307	51310		
	80									51308	51311		

TRIMMABLE DISCS

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

MADE IN USA WITH GLOBAL MATERIALS



50121

P MAX PERFORMANCE / TIGER CERAMIC TRIM (SABER TOOTH)

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

		STEEL / METAL		STAINLESS		HARD-TO-GRIND		ALUMINUM		TYPE 29 7/8" Arbor		TYPE 29 5/8"-11 Hub	
Diameter	Grit									Item #	Item #		
4-1/2"	40									50117	50121♦		
	60									50118	50122♦		
	80									50119	50123♦		



50003

P PERFORMANCE / TIGER TRIM

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

		STEEL / METAL		STAINLESS		HARD-TO-GRIND		ALUMINUM		TYPE 29 7/8" Arbor		TYPE 29 5/8"-11 Hub	
Diameter	Grit									Item #	Item #		
4-1/2"	40									50002	50006♦		
	60									50003	50007♦		
	80									50004	50008♦		
	120									50005	50009♦		
5"	40									50010	50014		
	60									50011	50015		
	80									50012	50016		

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)



MINI DISCS

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

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



S Mount



R Mount



Edge chamfering a fabricated stainless component.

P PERFORMANCE / TIGER® BOBCAT™

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

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

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

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



50923



50953

COATED ABRASIVES

NON-WOVEN ABRASIVES

POWER BRUSHES

NYLON BRUSHES

PACKAGED ITEMS

MAINTENANCE

ACCESSORIES

BOBCAT DRIVE MANDRELS & METAL HUB PADS

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

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



60508



51551



07766



56494

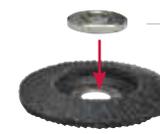
56495

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.



Adapting Nut



Abrasive Flap Disc



Adapting Nut



Right Angle Grinder

RESIN FIBER DISCS



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

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

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

SELECTING THE RIGHT DISC

CASE STUDY: Learn how Tiger Ceramic resin fiber discs last longer and reduced cost for a pressure vessel fabrication company.



P MAX PERFORMANCE



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

GRAIN TYPE
Ceramic alumina

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

BEST ON

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

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

P HIGH PERFORMANCE



TIGER ALUMINUM TOP COATING grinds cool and eliminates loading resulting in higher cut rates, long life and a superior finish

GRAIN TYPE
Aluminum oxide

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

BEST ON

ALUMINUM

(Aluminum and other non-ferrous metals)

P HIGH PERFORMANCE



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

GRAIN TYPE
Ceramic & zirconia alumina

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

BEST ON

STEEL / METAL **STAINLESS**

(Metal includes structural steel and cast iron)

V VALUE PERFORMANCE



WOLVERINE® ZIRC FAST CUT RATE and consistent performance over the life of the disc, resulting in a great value

GRAIN TYPE
Zirconia alumina

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

BEST ON

STEEL / METAL **STAINLESS**

(Metal includes structural steel and cast iron)

V VALUE PERFORMANCE



WOLVERINE AO PREMIUM GRAINS provide an even, sharp, clean cut rate and consistent performance at a great value.

GRAIN TYPE
White aluminum oxide

BEST ON

STEEL / METAL

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.



P

STEEL / METAL STAINLESS ALUMINUM HARD-TO-GRIND

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

Do not exceed maximum RPM of back-up pad.



69867



69883



69857

BONDED ABRASIVES

COATED ABRASIVES

NON-WOVEN ABRASIVES

POWER BRUSHES

ADVANCED CERAMIC GRAIN

delivers greater stock removal with a finer scratch pattern

LESS PRESSURE

for consistent material removal, reducing operator fatigue

TOP COAT

grinds cool and eliminates loading, glazing & dulling

WIDE RANGE

of grit options professionals need to get a desired finish



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

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



P

ALUMINUM

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

Do not exceed maximum RPM of back-up pad.



60420



60603

NYLON BRUSHES

PACKAGED ITEMS

MAINTENANCE

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.



P

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	59933
	60		59734	59934
	80		59735	59935
	100		59736	59936
5"	120		59737	59937
	24	25	59701	59901
	36		59702	59902
	50		59703	59903
	60		59704	59904
	80		59705	59905
100	59706		59906	
7"	120		59707	59907
	24	25	59711	59911
	36		59712	59912
	50		59713	59913
	60		59714	59914
	80		59715	59915
100	59716		59916	
	120		59717	59917

Do not exceed maximum RPM of back-up pad.

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

Self-sharpening Zirconia Alumina grain delivers a fast cut rate and consistent performance over the life of the disc, resulting in a great value.



V

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	62052
	36		62003	62053
	50		62004	62054
	60		62005	62055
	80		62006	62056
	100		62007	62057
	120		62008	62058
	5"		24	25
36		62013	62063	
50		62014	62064	
60		62015	62065	
80		62016	62066	
100		62017	62067	
120		62018	62068	
7"		24	25	
	36	62023		62073
	50	62024		62074
	60	62025		62075
	80	62026		62076
	100	62027		62077
	120	62028		62078
	9"	24		25
36		62033	62083	
50		62034	62084	
60		62035	62085	
80		62036	62086	
100		62037	62087	
120		62038	62088	

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.



V

STEEL / METAL

Diameter	Grit Size	Standard Pack	5/8" Arbor	
			Item Number	
4"	24	25	59491	
	36		59492	
	50		59493	
	60		59494	
	80		59495	
	100		59496	
	120		59497	
Diameter	Grit Size	Standard Pack	7/8" Arbor	5/8"-11 Hub
			Item Number	Item Number
4-1/2"	24	25	59571	59971
	36		59573	59973
	50		59575	59975
	60		59576	59976
	80		59577	59977
	100		59578	59978
	120		59579	59979
5"	16	25	59500	-
	24		59501	61501
	36		59503	61503
	50		59505	61505
	60		59506	61506
	80		59507	61507
	100		59508	61508
	120		59509	61509
7"	16	25	59520	-
	24		59521	61521
	36		59523	61523
	50		59525	61525
	60		59526	61526
	80		59527	61527
	100		59528	61528
	120		59529	61529
9"	24	25	59541	61541
	36		59543	61543
	50		59545	61545
	60		59546	61546
	80		59547	61547
	100		59548	61548
	120		59549	61549

Do not exceed maximum RPM of back-up pad.



59492



59973



61501



59611



59604



59603



59543

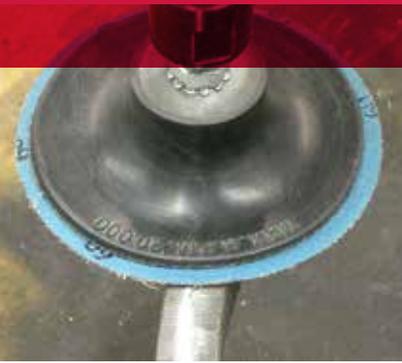
ACCESSORIES FOR RESIN FIBER DISCS

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.

WHY WEILER
 BONDED ABRASIVES
 COATED ABRASIVES
 NON-WOVEN ABRASIVES
 POWER BRUSHES
 NYLOX BRUSHES
 PACKAGED ITEMS
 MAINTENANCE

BLENDING DISCS



Blending surface imperfections prior to painting.

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



60150

P TIGER® CERAMIC ALUMINA BLENDING DISCS

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

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



60395

P TIGER BLENDING DISCS - Type S Hub Style

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

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



60131

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

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



59875

P TIGER ALUMINUM BLENDING DISCS - Aluminum Oxide

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



60508



51552

P BACK-UP PADS - 1/4" Stem

Diameter	Max. RPM	Std. Pack	Item No.	
			Type R Hub Style*	Type S Hub Style+
2"	25,000	1	51551	60508
3"	20,000	1	51552	60509

Do not exceed maximum RPM of back-up pad.

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

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

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

TRIM-KUT® DISCS

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

APPLICATIONS

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



Deburring and chamfering a section of pipe after cutting.

P TRIM-KUT® DISCS - Aluminum Oxide

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

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



COATED ABRASIVES

P TRIM-KUT DISC - Aluminum Oxide

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

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



P TRIM-KUT ADAPTERS

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

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



POWER BRUSHES

NYLON BRUSHES

PACKAGED ITEMS

MAINTENANCE

NOTE

If you are using a blending disc or TRIM-KUT Disc, ask our Application Engineering Department if Weiler's BobCat Abrasive Flap Discs can enhance your productivity. BobCats dramatically outperform blending and TRIM-KUT Discs by reducing changeovers and providing consistently high cut rates and extended life. See page 35 for more information.



Key:

P Performance line
Industrial Grade

V Value line
Professional Grade

COATED ABRASIVE FLAP WHEELS



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

Applications

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



Removing burrs from the inside diameter of a cut tube.



52010



52027



52621



53286

P 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

P 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
		80			52603
		120			52605
2"	1"	60	25,000	10	52611
		80			52613
3"	1"	60	20,000	10	52621
		80			52623

P TIGER UNMOUNTED FLAP WHEELS - Aluminum Oxide



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

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

NOTE

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

Key:

P Performance line
Industrial Grade

V Value line
Professional Grade



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	
2-1/2"	1"	40	23,000	10	30778	
3"	1"	40	23,000	10	30729	
		60			30726	
		80			30727	
		120			30728	



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



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

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



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

COATED ABRASIVE SHOP ROLLS



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

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

APPLICATIONS

- Off-hand polishing of metal surfaces
- Off-hand deburring
- General purpose machine shop use
- Cleaning stock that is being turned in a lathe

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

Roll Width	Grit Size	Standard Pack	Item Number
1"	50	1	65204
	60		65205
	80		65206
	100		65207 •
	120		65208
	150		65209 •
	180		65210 •
	240		65212 •
1-1/2"	320	1	65213
	60		65218
	80		65219
	100		65220
	120		65221
	150		65222
	180		65223
	240		65225
2"	320	1	65226
	60		65231
	80		65232
	100		65233
	120		65234
	150		65235
	180		65236
	240		65238
	320		65239

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



65204

NOTE

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

Key:

P Performance line
Industrial Grade

V Value line
Professional Grade

NON-WOVEN ABRASIVES

FINEST AT THE FINISH

Non-woven abrasive products can be used in a broad range of surface-conditioning applications from cleaning and finishing to deburring and light blending. Unlike bonded and coated abrasives, they cannot be used for applications requiring heavy stock removal such as grinding and weld blending.

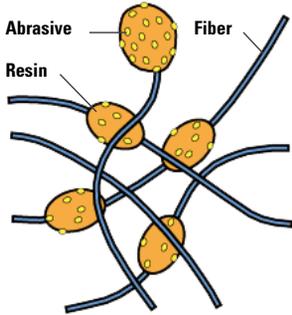
Non-Woven Abrasives Overview	46
Unitized Wheels	46
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Surface Conditioning Discs.....	48



SELECTING THE RIGHT PRODUCT

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

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



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

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

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

UNITIZED WHEELS



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



Diameter	Face Width	Arbor Hole	Grain	Grade	Max. RPM	Standard Pack	Item Number
Series 2 - Cleaning & Finishing - Hardness: Soft							
3"	1/4"	1/4"	Aluminum Oxide	Fine	12,000	10	55512
	1/4"		Silicon Carbide	Fine			55513 •
Series 6 - Deburring - Hardness: Medium/Hard							
3"	1/4"	1/4"	Aluminum Oxide	Fine	18,000		54492
Series 8 - HD Deburring & Polishing - Hardness: Hard (Heavy-Duty)							
3"	1/8"	1/4"	Aluminum Oxide	Coarse	18,000	10	55546
	1/4"			Medium			55541
	1/2"			Medium			55542

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

MANDRELS



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

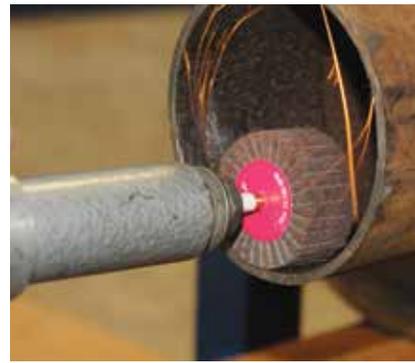
• Non-stock product, contact Customer Service for lead times and minimum order quantities.

INTERLEAF FLAP WHEELS

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

APPLICATIONS

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



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

P STEM-MOUNTED INTERLEAF FLAP WHEELS - Aluminum Oxide

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



54500



54510

COATED ABRASIVES

NON-WOVEN ABRASIVES

HAND PADS

Industrial Grade:

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

Commercial Grade:

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



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

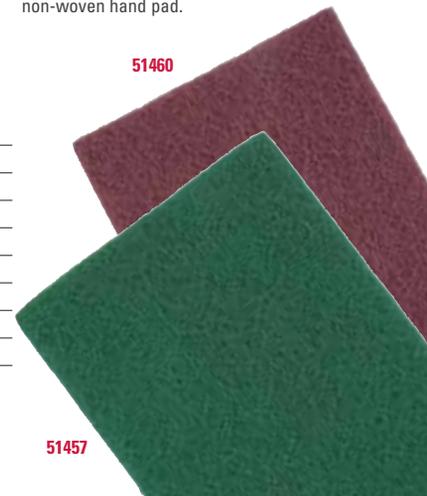
POWER BRUSHES

NYLOX BRUSHES

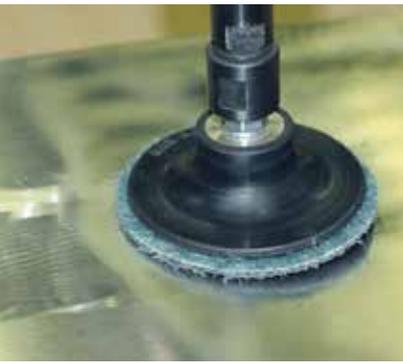
P HAND PADS - For cleaning and conditioning surfaces by hand. Unlike steel wool, hand pads are non-metallic, and do not produce "after-rust" on work surfaces. Hand pads can be used in wet applications.

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

51460



51457



SURFACE CONDITIONING DISCS

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

APPLICATIONS

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

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



P TYPE R HUB STYLE DISCS - General Purpose

Compatible with 3M Roloc™ back-up pads.



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

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



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

Do not exceed maximum RPM of back-up pad.

P HOOK & LOOP STYLE DISCS



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

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



HOOK & LOOP STYLE BACK-UP PADS

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