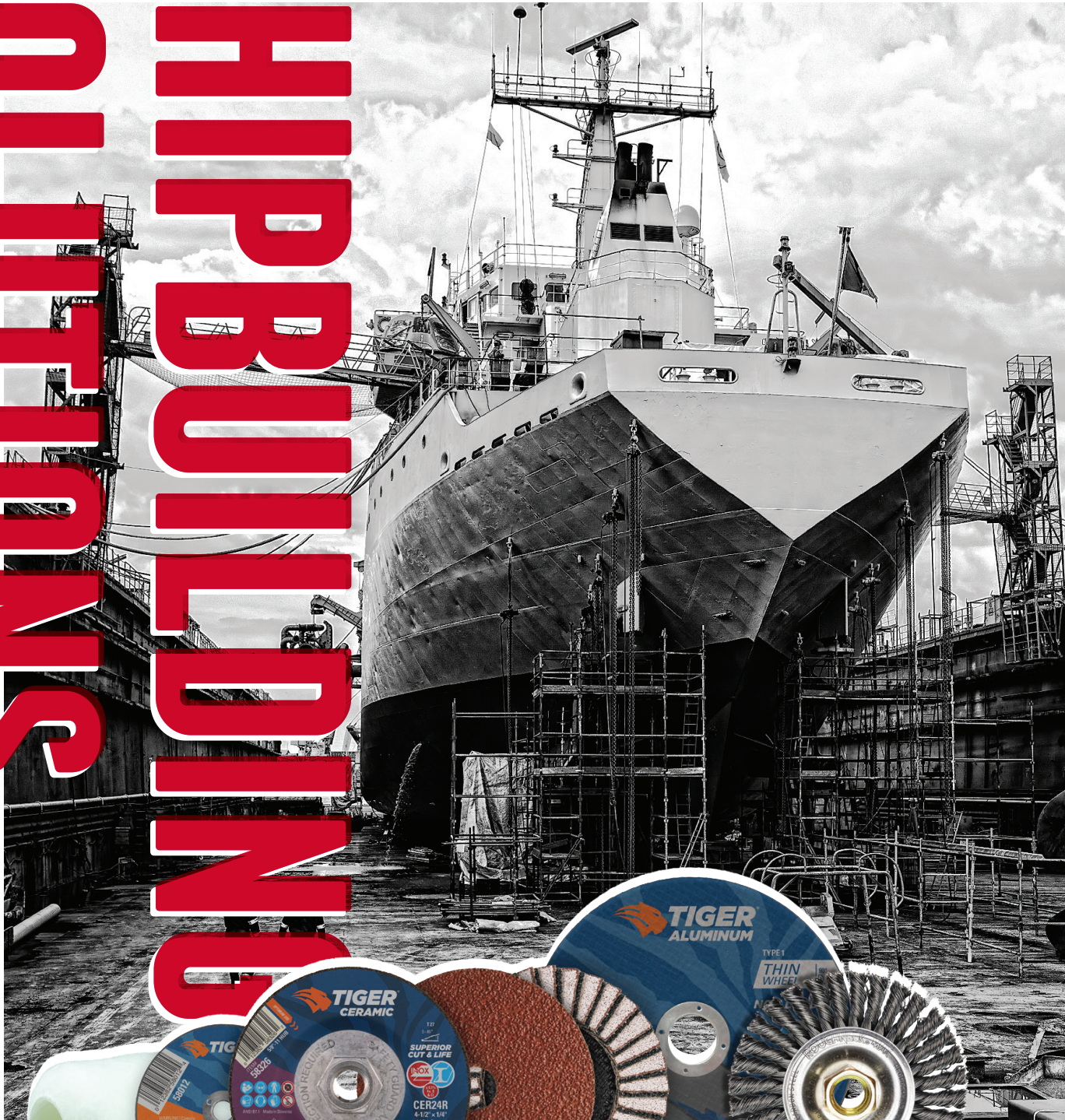


SOLUTIONS SHIPBUILDING



Maximize productivity with products designed for high performance cutting, grinding, cleaning, and coating in the shipbuilding and repair industry.

CUTTING & GRINDING

Our diverse line of bonded abrasives provide a consistent, well balanced, high quality solution. From our 1 millimeter cutting wheels that slice through metal, to our cones and plugs that hog off material in tight spaces, shipbuilders get the most demanding jobs done right and done fast.

FOR OUR FULL OFFERING VISIT:



Tiger INOX grinding wheel blending a repair weld to the correct profile on a propeller blade. Tiger INOX offers a **contaminant-free** solution when working with stainless steel.



Tiger mill scale wheels are a **high-performance solution for removing tough mill scale**, which is crucial to ensuring the proper adhesion of coatings and the integrity of critical welds.



Tiger Aluminum grinding wheel prepping plates for welding. Tiger Aluminum offers a **non-loading** solution that will not contaminate the workpiece.

CUTTING WHEELS

ADDITIONAL SIZES AVAILABLE

For a complete product offering scan the QR code above.



Brand:	Tiger Ceramic	Tiger Zirc	Tiger INOX	Tiger Aluminum	Tiger AO	Wolverine
Performance / Application:	Superior Life & Cut	Fast Cut/Long Life	Fast Cut/Long Life	Non-Loading	Long Life	Fast Cut
*Contaminant-free:	Yes		Yes	Yes		
Best On:	STEEL / METAL STAINLESS HARD-TO-CUT	STEEL / METAL includes structural steel	STAINLESS & harder grade steel	ALUMINUM	STEEL / METAL	STEEL / METAL

TYPE 1 CUT OFF WHEELS

Dia. x Thick x Arbor	Max. RPM	Std. Pack	Ceramic #	Zirc #	INOX #	Aluminum #	AO #	Wolverine #
2 x .035 x 1/4"	30,000	100	—	—	—	—	57014	56013
2 x .035 x 3/8"	30,000	100	—	—	—	—	57010	56128
2 x 1/16 x 1/4"	30,000	100	—	—	—	—	57015	56015
2 x 1/16 x 3/8"	30,000	100	—	—	—	—	57011	56129
3 x .035 x 1/4"	25,000	100	—	58012	—	—	—	56061
3 x .035 x 3/8"	25,000	100	—	58011	—	—	57001	56062
3 x 1/16 x 1/4"	25,000	100	58345	—	—	—	57066	56065
3 x 1/16 x 3/8"	25,000	100	58342	—	—	—	57060	56068
4-1/2 x 1 mm x 7/8"	13,300	50	—	58005	58130	—	—	—
4-1/2 x .045 x 7/8"	13,300	25	58300	58000	58100	58200	57020	56281
4-1/2 x 1/16 x 7/8"	13,300	25	—	—	—	—	57061	56103
5 x 1 mm x 7/8"	12,200	50	—	58006	58131	—	—	—
5 x .045 x 7/8"	12,200	25	58301	58001	58101	58201	57021	—
6 x .045 x 7/8"	10,200	25	58302	58002	58102	58202	57022	56273

TYPE 27 DEPRESSED CENTER CUTTING WHEELS

Dia. x Thick x Arbor	Max. RPM	Std. Pack	Ceramic #	Zirc #	INOX #	Aluminum #	AO #	Wolverine #
4-1/2 x .045 x 7/8"	13,300	25	58305	58020	58110	58205	57041	56393
4-1/2 x .045 x 5/8"-11	13,300	10	58306	58030	58109	58206	57040	—
5 x .045 x 7/8"	12,200	25	58307	58021	58111	—	57043	56392
5 x .045 x 5/8"-11	12,200	10	58308	58031	—	—	57042	—
6 x .045 x 7/8"	10,200	25	58309	58022	58112	58209	57045	56283
6 x .045 x 5/8"-11	10,200	10	58310	58032	58113	58210	57044	—

BOLD RED indicates 1 MM ULTRA-CUT thin cutting wheel technology. *Contaminant-free (Contains less than 0.1% Fe, S, Cl)

BLACK BOLD ITEM numbers indicate Tiger 2.0.

90°



TYPE 1 Flat profile allows for deep cuts.

90°



TYPE 27 Added clearance when working at a constrained angle.

GRINDING WHEELS

ADDITIONAL SIZES AVAILABLE

For a complete product offering scan the QR code on the previous page.



Brand:	Tiger Ceramic	Tiger Zirc	Tiger INOX	Tiger Aluminum	Tiger AO	Wolverine
Performance / Application:	Superior Life & Cut	Fast Cut/Long Life	Fast Cut/Long Life	Non-Loading	Long Life	Fast Cut
*Contaminant-free:	Yes		Yes	Yes		
Best On:	STEEL / METAL	STEEL / METAL	STAINLESS	ALUMINUM	STEEL / METAL	STEEL / METAL
	STAINLESS					
	HARD-TO-CUT	includes structural steel	& harder grade steel			

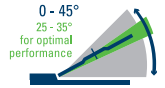
TYPE 27 DEPRESSED CENTER GRINDING WHEELS								
Dia. x Thick x Arbor	Max. RPM	Std. Pack	Ceramic #	Zirc #	INOX #	Aluminum #	AO #	Wolverine #
4 x 1/4 x 5/8"	15,300	10	58335	58069	—	—	—	56473
4-1/2 x 1/4 x 7/8"	13,300	10	58325	58071	58121	58225	57121	56464
4-1/2 x 1/4 x 5/8"-11	13,300	10	58326	58070	58120	58226	57120	56454
5 x 1/4 x 7/8"	12,200	10	58327	58073	58123	58227	57123	56466
5 x 1/4 x 5/8"-11	12,200	10	58328	58072	58122	58228	57122	56449
6 x 1/4 x 7/8"	10,200	10	58329	58079	58129	58229	57129	56280
6 x 1/4 x 5/8"-11	10,200	10	58330	58078	58128 •	58230	57128	56279
7 x 1/4 x 7/8"	8,600	10	58331	58075	58125	—	57125	56467
7 x 1/4 x 5/8"-11	8,600	10	58332	58074	58124	—	57124	56468

TYPE 27 DEPRESSED CENTER CUT & GRIND COMBO WHEELS								
Dia. x Thick x Arbor	Max. RPM	Std. Pack	Ceramic #	Zirc #	INOX #	Aluminum #	AO #	Wolverine #
4-1/2 x 1/8 x 7/8"	13,300	25	58315	58051	58115	58215	57101	56430
4-1/2 x 1/8 x 5/8"-11	13,300	10	58316	58050	58114	58216	57100	56429
5 x 1/8 x 7/8"	12,200	25	58317	58053	—	58217	57103	56428
5 x 1/8 x 5/8"-11	12,200	10	58318	58052	—	58218	57102	56427
6 x 1/8 x 7/8"	10,200	25	58319	58064	—	58219	57109	—
6 x 1/8 x 5/8"-11	10,200	10	58320	58054	—	58220	57108	—
7 x 1/8 x 7/8"	8,600	25	58321	58056	58117	58221	57105	56426
7 x 1/8 x 5/8"-11	8,600	10	58322	58055	58116	58222	57104	56425

BLACK BOLD ITEM numbers indicate Tiger 2.0. *Contaminant-free (Contains less than 0.1% Fe, S, Cl)

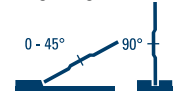
• Non-stock product, contact Customer Service for lead times.

TYPE 27



TYPE 27 COMBO

Switch between cutting and grinding.



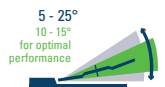
MILL SCALE GRINDING WHEELS



Brand:	Tiger Mill Scale
Performance / Application:	Fast Cut/Long Life
Best On:	STEEL / METAL heavy mill scale

TYPE 29 DEPRESSED CENTER GRINDING WHEELS			
Dia. x Thick x Arbor	Max. RPM	Std. Pack	Mill Scale #
4-1/2 x 1/8 x 5/8"-11	13,300	10	58086
5 x 1/8 x 5/8"-11	12,200	10	58087
6 x 1/8 x 5/8"-11	10,200	10	58088

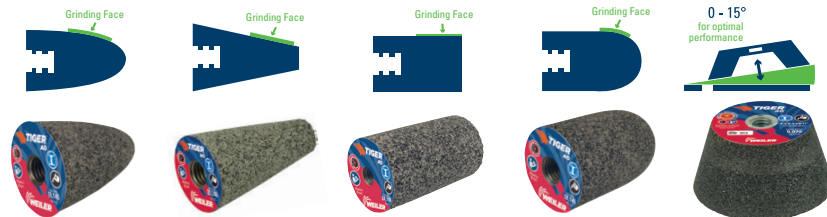
TYPE 29



CONES, PLUGS & CUPS

ADDITIONAL SIZES AVAILABLE

For a complete product offering scan the QR code on the previous page.



Brand / Type:	Tiger AO Type 16 Cone	Tiger AO Type 17 Cone	Tiger AO Type 18 Plug	Tiger AO Type 18R Plug	Tiger AO Type 11 Cup
Performance / Application:	Long Life	Long Life	Long Life	Long Life	Long Life
Best On:	STEEL / METAL	STEEL / METAL	STEEL / METAL	STEEL / METAL	STEEL / METAL

ABRASIVE CONES AND PLUGS							
Dia. x Thick x Arbor	Max. RPM	Std. Pack	Type 16 #	Type 17 #	Type 18 #	Type 18R #	Type 11 #
1-1/2 x 2-1/2 x 3/8"-24	24,190	12	—	—	68318	—	—
2 x 3 x 5/8"-11	18,145	12	68310	68317	68323	68329	—
3 x 3 x 5/8"-11	12,100	12	68314 •	—	—	68331	—
4/3 x 2 x 5/8"-11	9,070	5	—	—	—	—	68350* •
6/4-3/4 x 2 x 5/8"-11	6,000	5	—	—	—	—	68359*

*Reinforced metal back

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

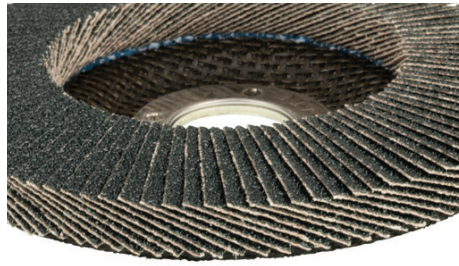
GRINDING & FINISHING

We offer a wide range of coated abrasive products tailored for ship fabricators. For example, our new Tiger 3D MAX discs are designed with precision-shaped grains to provide maximum cutting efficiency and effective material removal. Additionally, our Tiger Aluminum discs are specifically made to prevent loading when working on aluminum surfaces.

FOR OUR FULL OFFERING VISIT:



Tiger Aluminum Flap Discs and Resin Fiber Discs offer a **non-loading**, contaminant-free option on aluminum.

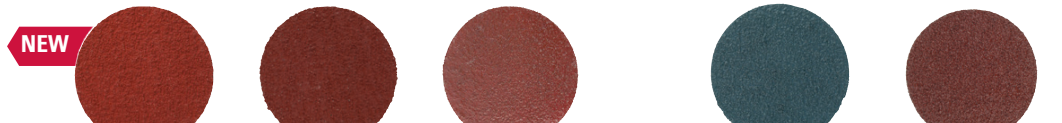


Type 29 High Density Tiger Paw Flap Discs are ideal for **edge grinding**. (Page 6)



Top coat **grinds cooler and protects parts** from heat damage and discoloration.

BLENDING DISCS



Brand:	Tiger 3D MAX	Tiger Ceramic	Tiger Aluminum		Tiger Zirc	Tiger AO
Performance / Application:	Superior Life & Cut	Fast Cut/Long Life	Fast Cut/Long Life		Fast Cut/Long Life	Long Life
*Contaminant-free:	Yes	Yes			Yes	
Best On:	<div style="background-color: red; color: white; padding: 2px;">STEEL / METAL</div> <div style="background-color: blue; color: white; padding: 2px;">STAINLESS</div> <div style="background-color: blue; color: white; padding: 2px;">HARD-TO-CUT</div>	<div style="background-color: red; color: white; padding: 2px;">STEEL / METAL</div> <div style="background-color: blue; color: white; padding: 2px;">STAINLESS</div> <div style="background-color: blue; color: white; padding: 2px;">HARD-TO-CUT</div>	<div style="background-color: gray; color: white; padding: 2px;">ALUMINUM</div> and other non-ferrous metals		<div style="background-color: red; color: white; padding: 2px;">STEEL / METAL</div> <div style="background-color: blue; color: white; padding: 2px;">STAINLESS</div> includes structural steel, and cast iron	<div style="background-color: red; color: white; padding: 2px;">STEEL / METAL</div> fiberglass, plastic, and wood

RESIN FIBER BACKING

Dia.	Grit Size	Std. Pack	Type R #	Type S #	Type R #	Type S #	Type R #	Type S #	Std. Pack	Type R #	Type S #	Type R #	Type S #
2"	36	50	60855	60850	60570	60550	59806	59869	100	60338	—	60660	60640
	60	50	60875	—	60571	60551	59807	—	100	60341	—	60663	60643
	80	50	—	—	60572	—	—	59871 •	100	60342	60382	60664	60644
	120	50	—	—	—	—	—	—	100	60344	60384	60666	60646
3"	36	25	60955	60870	60575	60555	59811	—	50	60351	60391	60670	60650
	60	25	60975	—	60576	60556	59812	59875	50	60354	—	60673	60653
	80	25	—	—	60577	—	59813	59876	50	60355	—	60674	60654
	120	—	—	—	—	—	—	—	50	60357	—	—	—

CLOTH BACKING

Dia.	Grit Size	Std. Pack	Type R #	Type S #	Type R #	Type S #	Type R #	Type S #	Std. Pack	Type R #	Type S #	Type R #	Type S #
2"	36	50	—	—	60170	60150	—	—	100	60738	60778	60118	60040
	60	50	—	—	60171	—	—	—	100	60741	60781	60121	60043
	80	50	—	—	60172	60152	—	—	100	60742	60782	60122	—
	120	—	—	—	—	—	—	—	100	60744	60784	60124	—
3"	36	25	—	—	60175	60155	—	—	50	60751	60791	60131	—
	60	25	—	—	60176	60156	—	—	50	60754	60794 •	60134	—
	80	25	—	—	—	—	—	—	50	60755	60795 •	60135	60057
	120	—	—	—	—	—	—	—	50	60757	60797	60137	60059



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

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

Do not exceed maximum RPM of back-up pad.

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

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

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

RESIN FIBER DISCS - TOP COAT

ADDITIONAL SIZES & GRITS AVAILABLE

For a complete product offering scan the QR code above.



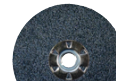
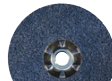
Brand:	Tiger 3D MAX	Tiger Ceramic	Tiger Aluminum
Performance / Application:	Superior Life & Cut	Fast Cut/Long Life	Fast Cut/Long Life
*Contaminant-free:	Yes	Yes	Yes
Best On:	<div style="background-color: #0056b3; color: white; padding: 2px;">STAINLESS</div> <div style="background-color: #0056b3; color: white; padding: 2px;">HARD-TO-CUT</div>	<div style="background-color: #c00000; color: white; padding: 2px;">STEEL / METAL</div> <div style="background-color: #0056b3; color: white; padding: 2px;">STAINLESS</div> <div style="background-color: #0056b3; color: white; padding: 2px;">HARD-TO-CUT</div>	<div style="background-color: #808080; color: white; padding: 2px;">ALUMINUM</div> and other non-ferrous metals

RESIN FIBER DISCS						
Dia. x Arbor	Grit Size	Std. Pack	3D MAX #	Ceramic #	Aluminum #	
4-1/2 x 7/8"	24	25	—	69850	—	
	36	25	68703	69851	60401	
	50	25	—	69852	—	
	60	25	68704	69853	60403	
4-1/2 x .5/8"-11	24	25	—	69880	—	
	36	25	68735	69881	60601	
	60	25	—	69883	60603	
5 x 7/8"	24	25	—	69857	60410	
	36	25	68709	69858	60411	
	50	25	—	69859	—	
	60	25	68710	69860	—	
5 x 5/8"-11	24	25	—	69887	—	
	36	25	68741	69888	60611 •	
	60	25	—	69890	—	
7 x 7/8"	24	25	—	69864	—	
	36	25	68726	69865	60421	
	50	25	—	69866	—	
7 x 5/8"-11	24	25	—	69867	60423	
	36	25	68754	69894	—	
	60	25	—	69895	—	

RESIN FIBER DISCS - UNCOATED

ADDITIONAL SIZES & GRITS AVAILABLE

For a complete product offering scan the QR code above.



Brand:	Tiger 3D MAX	Tiger Zirc	Wolverine Zirc	Wolverine AO
Performance / Application:	Superior Life & Cut	Fast Cut/Long Life	Fast Cut	Fast Cut
*Contaminant-free:	Yes	Yes	Yes	Yes
Best On:	<div style="background-color: #c00000; color: white; padding: 2px;">STEEL / METAL</div>	<div style="background-color: #c00000; color: white; padding: 2px;">STEEL / METAL</div> <div style="background-color: #0056b3; color: white; padding: 2px;">STAINLESS</div> includes structural steel & cast iron	<div style="background-color: #c00000; color: white; padding: 2px;">STEEL / METAL</div> <div style="background-color: #0056b3; color: white; padding: 2px;">STAINLESS</div> includes structural steel & cast iron	<div style="background-color: #c00000; color: white; padding: 2px;">STEEL / METAL</div>

RESIN FIBER DISCS						
Dia. x Arbor	Grit Size	Std. Pack	3D MAX #	Zirc #	Wolverine Zirc #	AO #
4-1/2 x 7/8"	24	25	—	59731	62002	59571
	36	25	68700	59732	62003	59573
	50	25	—	59733	62004 •	59575
	60	25	68701	59734	—	59576
4-1/2 x .5/8"-11	24	25	—	59931 •	—	—
	36	25	68730	59932	62053 •	—
	60	25	68731	—	—	—
5 x 7/8"	24	25	—	59701	62012	59501
	36	25	68706	59702	62013	59503
	50	25	—	59703	62014 •	59505 •
	60	25	68707	59704	62015 •	59506
5 x 5/8"-11	36	25	68738	—	—	61503
	60	25	68739	—	—	—
7 x 7/8"	24	25	—	59711	—	59521
	36	25	68723	59712	—	59523
	50	25	—	59713	—	—
	60	25	68724	59714	—	59526 •
7 x 5/8"-11	36	25	68750	—	—	—

Do not exceed maximum RPM of back-up pad.

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

STANDARD DENSITY FLAP DISCS

ADDITIONAL SIZES & GRITS AVAILABLE

For a complete product offering scan the QR code on the previous page.

NEW



Brand:	Tiger 3D MAX	Tiger Ceramic	Tiger X	Tiger Paw	Tiger Aluminum	Wolverine
Performance / Application:	Superior Life & Cut	Fast Cut Long Life	Fast Cut Long Life	Edge Grinding	Non-Loading	Fast Cut
*Contaminant-free:	Yes	Yes	Yes	Yes	Yes	
Best On:	STEEL / METAL	STEEL / METAL	STEEL / METAL	STEEL / METAL	ALUMINUM	STEEL / METAL
	STAINLESS	STAINLESS	STAINLESS	STAINLESS		
	HARD-TO-CUT	HARD-TO-CUT	includes structural steel & cast iron	includes structural steel & cast iron		
	ALUMINUM	ALUMINUM				

0° – 15°



FLAT (T27)

Ideal for smooth grinding, blending, and finishing on flat surfaces and slight contours.

15° – 35°



CONICAL (T29)

Disc shape maximizes surface contact for aggressive stock removal.

TYPE 27 FLAT FLAP DISCS

Dia. x Arbor	Grit Size	Max. RPM	Std. Pack	3D MAX #	Ceramic #	Tiger X #	Tiger Paw #	Aluminum #	Wolverine #
4-1/2" x 7/8"	36	13,000	10	–	–	–	51107	51252	31401
	40	13,000	10	–	–	51223	51108	–	31402
	60	13,000	10	–	–	51224	51109	51253	31403
4-1/2" x 5/8"-11	36	13,000	10	–	–	–	51112♦	51256	31407♦
	40	13,000	10	–	–	51226♦	51113♦	–	31408♦
	60	13,000	10	–	–	51227♦	51114♦	51257	31409♦
5" x 7/8"	36	12,000	10	–	–	–	–	–	–
	40	12,000	10	–	–	–	51134	–	–
	60	12,000	10	–	–	–	51135	–	–
5" x 5/8"-11	36	12,000	10	–	–	–	–	–	–
	40	12,000	10	–	–	–	51155♦	–	–
	60	12,000	10	–	–	–	51156♦	–	–
	60	12,000	10	–	–	–	51157♦	–	–

TYPE 29 CONICAL FLAP DISCS

Dia. x Arbor	Grit Size	Max. RPM	Std. Pack	3D MAX #	Ceramic #	Tiger X #	Tiger Paw #	Aluminum #	Wolverine #
4-1/2" x 7/8"	36	13,000	10	–	50100	51200	51118	51250	31343
	40	13,000	10	50160	50101	51201	51119	–	31344
	60	13,000	10	50162	50102	51202	51120	51251	31345
4-1/2" x 5/8"-11	36	13,000	10	–	50104♦	51204♦	51123♦	51254	31349♦
	40	13,000	10	50164♦	50105♦	51205♦	51124♦	–	31350♦
	60	13,000	10	50165♦	50106♦	51206♦	51125♦	51255	31351♦
5" x 7/8"	36	12,000	10	–	–	51208	–	–	31355
	40	12,000	10	–	–	51209	51129	–	31356
	60	12,000	10	–	–	51210	–	–	31357
5" x 5/8"-11	36	12,000	10	–	–	–	51153♦	–	–
	40	12,000	10	–	–	51212♦	51132♦	–	–
	60	12,000	10	–	–	51213♦	51133♦	–	–
6" x 7/8"	40	10,200	10	–	–	51237	51175	–	31447♦
	60	10,200	10	–	–	51238	51176	–	31448♦
6" x 5/8"-11	40	10,200	10	–	–	51241♦	51179♦	–	–
	60	10,200	10	–	–	51242♦	51180♦	–	31452♦♦

♦ Patent # 6,945,863 ♦ Non-stock product, contact Customer Service for lead times and minimum order quantities.

FLAP WHEELS

For a complete product offering scan the QR code on the previous page.



Brand:	Wolverine
Performance / Application:	Fast Cut
*Contaminant-free:	
Best On:	STEEL / METAL

FLAP WHEELS

Dia. x Width	Grit Size	Max. RPM	Std. Pack	Item #
2 x 1"	60	25,000	10	30723
	80	25,000	10	30724
3 x 1"	60	23,000	10	30726
	80	23,000	10	30727

MINI FLAP DISCS

For a complete product offering scan the QR code on the previous page.



Brand:	Tiger BobCat
Performance / Application:	Tight Spaces
*Contaminant-free:	Yes
Best On:	STEEL / METAL
	STAINLESS

MINI FLAP DISCS (WITH TYPE S MOUNT)

Dia. x Width	Grit Size	Max. RPM	Std. Pack	Type 29 #	Type 27 #
2"	60	30,000	10	50924+	50934+
	80	30,000	10	50925+	50935+
3"	60	20,000	10	50904+	50914+
	80	20,000	10	50905+	50915+

S mount mandrel with 1/4" stem 1 07766

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


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

HIGH DENSITY FLAP DISCS

ADDITIONAL SIZES & GRITS AVAILABLE

For a complete product offering scan the QR code on page 4.



<i>Brand:</i>	Tiger Ceramic	Tiger Big Cat	Tiger Paw	Wolverine
<i>Performance / Application:</i>	Superior Life & Cut	Fast Cut/Long Life	Edge Grinding	Fast Cut
<i>*Contaminant-free:</i>	Yes	Yes	Yes	
 <i>Best On:</i>	<div style="background-color: red; color: white; padding: 2px;">STEEL / METAL</div> <div style="background-color: blue; color: white; padding: 2px;">STAINLESS</div> <div style="background-color: cyan; color: white; padding: 2px;">HARD-TO-CUT</div> <div style="background-color: gray; color: white; padding: 2px;">ALUMINUM</div>	<div style="background-color: red; color: white; padding: 2px;">STEEL / METAL</div> <div style="background-color: blue; color: white; padding: 2px;">STAINLESS</div>	<div style="background-color: red; color: white; padding: 2px;">STEEL / METAL</div> <div style="background-color: blue; color: white; padding: 2px;">STAINLESS</div>	<div style="background-color: red; color: white; padding: 2px;">STEEL / METAL</div>

0° – 15°

FLAT (T27) HD

Smooth grinding, blending, and finishing.

15° – 35°

CONICAL (T29) HD

Aggressive stock removal, edge beveling and chamfering.

TYPE 27 FLAT HIGH DENSITY FLAP DISCS							
Dia. x Arbor	Grit Size	Max. RPM	Std. Pack	Ceramic #	Big Cat #	Tiger Paw #	Wolverine #
4-1/2 x 7/8"	36	12,000	10	–	–	51160	–
	40	12,000	10	50130	50803	51161	31387
	60	12,000	10	50131	50804	51162	31388
4-1/2 x 5/8"-11	36	12,000	10	–	–	51164♦	–
	40	12,000	10	50133♦	50808♦	51165♦	31390♦
	60	12,000	10	50134♦	50809♦	51166♦	31391♦
5 x 7/8"	40	12,000	10	–	–	–	–
	60	12,000	10	–	–	–	–
6 x 7/8"	40	10,200	10	–	–	51199	31439•
	60	10,200	10	–	–	51184	–
6 x 5/8"-11	40	10,200	10	–	–	–	31443♦
	60	10,200	10	–	–	–	31444♦

TYPE 29 CONICAL HIGH DENSITY FLAP DISCS							
Dia. x Arbor	Grit Size	Max. RPM	Std. Pack	Ceramic #	Big Cat #	Tiger Paw #	Wolverine #
4-1/2 x 7/8"	36	12,000	10	–	–	51060	–
	40	12,000	10	–	–	51061	–
	60	12,000	10	–	–	51062	–
4-1/2 x 5/8"-11	36	12,000	10	–	–	51064♦•	–
	40	12,000	10	–	–	51065♦	–
	60	12,000	10	–	–	51066♦•	–

♦ Patent # 6,945,863 • Non-stock product, contact Customer Service for lead times and minimum order quantities.

ANGLED FLAP DISCS

ADDITIONAL GRITS AVAILABLE

For a complete product offering scan the QR code on page 4.



<i>Brand:</i>	Tiger Angled Ceramic	Tiger Angled Zirc
<i>Performance / Application:</i>	Superior Life & Cut	Fast Cut/Long Life
<i>*Contaminant-free:</i>	Yes	Yes
 <i>Best On:</i>	<div style="background-color: red; color: white; padding: 2px;">STEEL / METAL</div> <div style="background-color: blue; color: white; padding: 2px;">STAINLESS</div> <div style="background-color: cyan; color: white; padding: 2px;">HARD-TO-CUT</div> <div style="background-color: gray; color: white; padding: 2px;">ALUMINUM</div>	<div style="background-color: red; color: white; padding: 2px;">STEEL / METAL</div> <div style="background-color: blue; color: white; padding: 2px;">STAINLESS</div>

0° – 35°

ANGLED

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

ANGLED FLAP DISCS						
Dia. x Arbor	Grit Size	Max. RPM	Std. Pack	Item #	Item #	Item #
4-1/2 x 7/8"	40	13,000	10	51312	51300	–
	60	13,000	10	51313	51301	–
4-1/2 x 5/8"-11	40	13,000	10	51315	51303	–
	60	13,000	10	51316	51304	–
5 x 7/8"	40	12,000	10	51318	51306	–
	60	12,000	10	51319	–	–
5 x 5/8"-11	40	12,000	10	51321	51309	–
	60	12,000	10	51322	–	–

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

WELD AND METAL CLEANING

Superior construction, the highest quality materials, state of the art manufacturing, and exacting quality deliver the most consistent performance. Our brushes and non-woven strip discs are designed to provide the best cleaning performance at the lowest total cost-of-use.

FOR OUR FULL OFFERING VISIT:



NON-WOVEN STRIP DISCS



		Brand:			Tiger Ceramic		Tiger SiC		
		Performance / Application:			Superior Cleaning & Life		Fast Cleaning & Long Life		
		*Contaminant-free:			Yes				
		Best On:			STEEL / METAL	STAINLESS	NON-FERROUS	STEEL / METAL	STAINLESS
TYPE 27	TYPE 27 DISCS	Dia.	Grit	Max. RPM	Std. Pack	Ceramic #		SiC #	
		4-1/2 x 7/8"	XC (Extra Coarse)	12,000	10	51768		51766	
		4-1/2 x 5/8"-11	XC (Extra Coarse)	12,000	10	51769		51767	
TYPE 27	TYPE 27 DISCS - R MOUNT	Dia.	Grit	Max. RPM	Std. Pack	Ceramic #		SiC #	
		2	XC (Extra Coarse)	15,000	25	51763		-	
		2	XC (Extra Coarse)	18,000	25	-		51762	
		3	XC (Extra Coarse)	12,000	15	51765		-	
		3	XC (Extra Coarse)	13,500	15	-		51764	

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

MADE IN USA
WITH GLOBAL MATERIALS

1/4" STEM MOUNTED BRUSHES

ADDITIONAL OPTIONS AVAILABLE
For a complete product offering scan the QR code above.



				Brand:		Knot End	Crimped End	Banded Crimped End	Controlled Flare*	Circular Flared	Conflex Wheel Brushes	Knot Wire Wheels			
				Performance / Application:		Aggressive Cleaning / Long Life	Light-Duty Cleaning / Flexibility	Aggressive, Controlled Cleaning	Cleaning Corners & Fillet Welds	Cleaning Slightly Contoured Surfaces	Light-Duty Cleaning / Flexibility	Heavy-Duty Cleaning / Flexibility			
Dia.	Wire Size	Max. RPM	Std. Pack	STEEL #	SS #	STEEL #	SS #	STEEL #	SS #	STEEL #	SS #	STEEL #	SS #		
1/2"	.006	25,000	10	-	-	10001	10013	-	-	-	-	-	-		
	.0104	25,000	10	-	-	10002	10014	11101	-	10301	10313	-	-		
3/4"	.014	25,000	10	10025	10029	-	-	-	-	-	-	-	-		
	.020	25,000	10	10026	10030	-	-	-	-	-	-	-	-		
	.0104	20,000	10	-	-	-	-	11103	11113	-	-	-	-		
	.0104	22,000	10	-	-	10006	10018	-	-	10305	10317	-	-		
1"	.006	22,000	10	-	-	10009	10021	-	-	-	-	-	-		
	.0104	22,000	10	-	-	10010	10022	-	-	10309	10321	-	-		
	.0104	22,000	10	-	-	-	10379	-	-	-	-	-	-		
1-1/8"	.0104	20,000	10	10212	10213	-	-	-	-	-	-	-	-		
	.014	22,000	10	10027	10031	-	-	-	-	-	-	-	-		
	.014	22,000	10	-	10392	-	-	-	-	-	-	-	-		
	.020	22,000	10	10028	10032	-	-	-	-	-	-	-	-		
2"	.0118	20,000	10	-	-	-	-	-	-	-	-	17610	17611		
3"	.008	16,000	2	-	-	-	-	-	-	10041	10050	-	-		
	.008	20,000	10	-	-	-	-	-	-	-	-	17964	17978		
	.014	20,000	10	-	-	-	-	-	-	-	-	17617	17618		
3-1/4"	.014	25,000	5	-	-	-	-	-	-	-	-	-	17681	17684	
4"	.014	20,000	5	-	-	-	-	-	-	-	-	-	-	17687	17691

BOLD BLACK ITEM numbers indicate color-coded brushes for easy identification. **NICKEL-PLATED CUP** compliant with DOD MIL STD 2041D(SH). *Patent #8,186,000 B2



Removing weld smut can be done effectively with weld cleaning brushes on long runs and fine wire stem mounted brushes in hard-to-reach areas.

Controlled flare end brushes feature a tapered design that allows for effective **cleaning of fillet welds and corners**.

Color-coding on popular stainless steel brushes makes identification easy and helps **eliminate cross-contamination** in aluminum and stainless operations.

WELD CLEANING BRUSHES

ADDITIONAL OPTIONS AVAILABLE
For a complete product offering scan the QR code on the previous page.



Brand / Type:				Roughneck Bead Wheels		Wolverine Bead Wheels		Standard Twist Wheels		Knot Bevel Brushes	
Performance / Application:				Superior Life & Cleaning		Long Life		General Cleaning / Flexibility		Fillet Weld Cleaning	
Dia. x Arbor	Wire Size	Max. RPM	Std. Pack	STEEL #	STAINLESS #	STEEL #	STAINLESS #	STEEL #	STAINLESS #	STEEL #	STAINLESS #
3 x 3/8"-24	.014	25,000	5	—	—	—	—	13201	—	—	—
4 x 5/8"-11	.014	12,500	1	—	—	—	—	—	—	13406	13416
	.014	20,000	5	—	—	—	—	13106	13113	—	—
	.020	12,500	1	—	—	—	—	—	—	13426	13436
4-1/2 x 5/8"-11	.020	20,000	5	13131	13138	36218	36219	13120	—	—	—
	.020	12,500	1	—	—	—	—	—	—	13476	13486
5 x 5/8"-11	.020	15,000	5	13232	13238	—	—	—	—	—	—
	.020	12,500	5	08756	08806	36295	36296	—	—	—	—
6 x 5/8"-11	.020	12,500	10	09400	09500	36225	—	—	—	—	—
	.016	9,000	2	—	—	—	—	—	08346	—	—
	.023	9,000	5	—	—	—	—	08106	—	—	—
7 x 5/8"-11	.020	9,000	10	09000	09200	36297	—	—	—	—	—

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

MADE IN USA
WITH GLOBAL MATERIALS

CUP BRUSHES

ADDITIONAL OPTIONS AVAILABLE
For a complete product offering scan the QR code on the previous page.



Brand:				Knot Cup Brushes		Crimped Cup Brushes	
Performance / Application:				Aggressive Cleaning / Long Life		Flexible Brushing / Light-Duty Cleaning	
Dia. x Arbor	Wire Size	Max. RPM	Std. Pack	STEEL / METAL #	STAINLESS #	STEEL / METAL #	STAINLESS #
2-3/4 x 5/8"-11	.020	14,000	1	13286	13258	—	—
3 x 5/8"-11	.014	14,000	1	—	—	13245	—
3-1/2 x 3/8"-24	.023	13,300	1	13153	13160	—	—
	.014	13,300	1	—	—	13178	—
3-1/2 x 5/8"-11	.014	9,000	1	12736	—	—	—
	.014	13,300	1	—	—	13181	13188
	.023	13,300	1	13156	13163	—	—
4 x 5/8"-11	.020	10,200	1	—	—	14036	14126
	.023	10,200	1	12316	12416	—	—
6 x 5/8"-11	.020	6,600	1	—	—	14076*	14166*
	.023	6,600	1	12376	12476	—	—

BOLD BLACK ITEM numbers indicate color-coded brushes for easy identification. * With internal nut

MADE IN USA
WITH GLOBAL MATERIALS

WIRE SCRATCH BRUSHES

ADDITIONAL OPTIONS AVAILABLE
For a complete product offering scan the QR code on page 10.



Brand / Type:		Weiler Large Curved Handle		Vortec Pro Large Curved Handle		Vortec Pro Large Shoe Handle		Weiler Small Scratch Brushes		Vortec Pro Small Scratch Brushes	
Performance / Application:		Heavy-Duty Cleaning		Cleaning		Cleaning		Heavy-Duty Cleaning		Cleaning	
Block Size:		14" x 1-1/8"		13-1/2" x 1"		10" x 1"		7-1/2" x 1/2"		7-1/2" x 1/2"	
Wire Size	Std. Pack	STEEL #	SS #	STEEL #	SS #	STEEL #	SS #	STEEL #	SS #	STEEL #	SS #
.006	36	—	—	—	—	—	—	—	44167	—	44805
.012	12	44056	44057	25150	25154	25100	25104	—	—	—	—

3 BEST PRACTICES FOR SUCCESS

ABRASIVES
RESOURCES:



In a recent article, Weiler Application Experts shared their insights for choosing the right cutting and grinding products for shipbuilding applications and tips to gain optimal results. Below are the 3 key best practices from the article. Following some basic best practices can help prolong accessory life and deliver better performance.

To read the full article and to find additional Weiler Abrasives resources for shipbuilding and repair, [scan the QR code](#).

1

Avoid using extra-long air hoses or power cables for hand-held electric or air tools on the job site, since this can cause a drop in performance and power. If using a long power cord or air hose is the only option, be aware that certain abrasive accessories work better and more efficiently than others when there is less power or air pressure. Understand the psi at a particular work station to make informed decisions.

2

While it's tempting — especially in hard-to-reach, confined spaces — don't settle for using the same accessory for every job. Operators may also turn to the same product they've always used without considering how different products can provide greater success. Matching the abrasive to the job can help improve performance, productivity, and operator safety.

3

Always follow proper techniques for safe usage of abrasive products. This includes using the tool guard and any necessary safety gear. Proper operator training can also help reduce the labor time spent on cutting and grinding since products typically deliver better performance when they are used at the intended angle, speed, pressure and orientation to the material.

PAINT & CLEAN-UP

FOR OUR FULL OFFERING VISIT:



From coating to clean-up, you need the tools to get the job done, and you count on your supplies to be ready at a moment's notice – if not before. We have you covered.

BROOMS & SWEEPS



<i>Brand:</i>	Weiler 24" Pro-Flex	Weiler 24" Floor Sweep	Vortec Pro 24" Floor Sweep	Weiler 24" Floor Sweep	Weiler 24" Garage Sweep
<i>Performance:</i>	High Performance	High Performance	Value	High Performance	Value
<i>Application:</i>	Fine Sweeping	Fine Sweeping	Medium Sweeping	Coarse Sweeping	Coarse Sweeping
<i>Fill Material:</i>	Polystyrene	Black Horsehair	Black Tampico	Black Tampico with Wire Center	Palmyra
Std. Pack	Item #	Item #	Item #	Item #	Item #
1	44600	42002	25232	42135	42023

WOOD HANDLES & BRACES



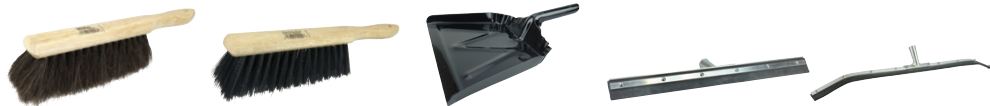
<i>Brand:</i>	Weiler 60" Tapered Wood	Weiler 60" Threaded Metal	Weiler Heavy-duty Steel Brace
<i>Use:</i>	Masonry and roof brushes, street brooms, floor and deck scrubs and squeegees	Heavy-duty metal tip provides additional strength	Increases life of the brush by providing extra support for handle and block.
Std. Pack	Item #	Item #	Item #
12	44020	44300	44290

UPRIGHT BROOMS



<i>Brand:</i>	Warehouse Broom - Heavy-Duty	Large Angle Broom
<i>Fill Material:</i>	Corn & Fiber	Flagged Plastic
Std. Pack	Item #	Item #
12	44008	44305

COUNTER DUSTERS, DUST PANS, FLOOR SQUEEGEES



<i>Brand:</i>	Weiler 8" Horsehair Duster	Vortec Pro 8" Black Polystyrene Duster	Weiler 12 x 13-1/2" Industrial Dust Pan	Weiler 24" Straight Floor Squeegee	Weiler 36" Curved Floor Squeegee
Std. Pack	Item #	Item #	Item #	Item #	Item #
12	44003	25252	71078	—	—
6	—	—	—	45507	45511

HAND BRUSHES



<i>Brand:</i>	Weiler Acid/Flux Brushes			Weiler Industrial Varnish Brushes			Weiler Bent Radiator Brushes			Vortec Pro Chip & Oil Brushes		
<i>Performance:</i>	High Performance			High Performance			High Performance			Value		
<i>Fill Material:</i>	Horsehair			Black Bristle			Black Bristle			White Bristle		
	Size	SPQ	Item #	Size	SPQ	Item #	Size	SPQ	Item #	Size	SPQ	Item #
	1/2 x 3/4"	144	44090	1 x 3/8"	36	40089	2 x 9/16"	12	95502	1 x 5/16"	36	40179
	3/8 x 3/4"	144	44089	2 x 7/16"	12	40074	—	—	—	2 x 5/16"	24	40181
	—	—	—	—	—	—	—	—	—	4 x 5/8"	12	40184

PAINT ROLLERS, FRAMES, & TRAYS



<i>Brand:</i>	Micro Perlon Roller Reach			Micro Perlon Twin Pack Cover			Paint Rollers		Roller Frames		Paint Trays	
Size	SPQ	Item #	SPQ	Item #	SPQ	Item #	SPQ	Item #	SPQ	Item #	SPQ	Item #
4"	24	49025	24	49066	12	49045	24	49018	24	49008	24	49008
9"	—	—	—	—	12	49062	12	49022	24	49010	24	49010
9" Tray liner	—	—	—	—	—	—	—	—	—	—	24	96702

CUSTOMER PROGRAMS

For those who value safety and productivity-enhancing solutions for the toughest cutting, grinding, deburring, cleaning, and finishing challenges, we provide the programs to help you gain a competitive edge.



WEILER CONSUMABLE PRODUCTIVITY PROGRAM

This program helps facilities find real cost savings. By testing and collecting hard data, we help evaluate products to select abrasives that will reduce cycle times, save dollars and guarantee better results.



WEILER SPOT SAFETY PROGRAM

We offer customers a Safety Training Program based on SPOT (Speed & Size, Pressure, Orientation, Time) to promote safe and proper product usage. Deploying our safety training program in your facility helps improve safety regardless of your application or work environment.

Talk to your local Weiler Representative or call us at 800.835.9999 to **learn more** about these programs.

