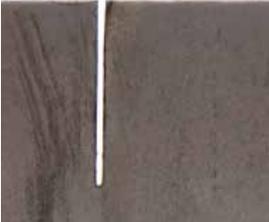
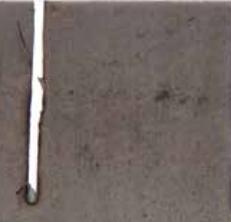




BONDED FIELD SELECTION GUIDE



PERFORMANCE	<p>SUPERIOR LIFE & CUT MAX PERFORMANCE</p> <p>TIGER CERAMIC Self-sharpening grain, cool cutting and contaminant-free. Removes material effortlessly while a hard bond keeps working longer.</p>	<p>PIPELINER Ceramic-infused wheels designed for bead and angle grinding applications on the pipeline.</p>	<p>LONG LIFE & FAST CUT HIGH PERFORMANCE</p> <p>TIGER ZIRC Self-sharpening Zirconia grain retains high cutting performance through the life of the wheel.</p>	<p>TIGER INOX A contaminant-free bond that delivers a worry-free solution for stainless steel applications.</p>	<p>TIGER ALUMINUM A unique blend of abrasive grains with Weiler's non-loading formula delivers a fast and consistent cut rate on aluminum. Contaminant-free.</p>	<p>LONG LIFE PERFORMANCE LINE</p> <p>TIGER Aluminum Oxide grains and a strong resin bond delivers a long cutting life keeping professionals on the job longer.</p>	<p>FAST CUT VALUE LINE</p> <p>WOLVERINE Weiler Wolverine cutting and grinding wheels deliver a fast cut rate and consistent performance at a good value.</p>
	<p>MATERIAL</p> <p>Tool Steel, Inconel, High Nickel Alloy, Titanium and Armored Steel</p>	<p>Pipeline</p>	<p>Carbon Steel, Structural Steel and Cast Iron</p>	<p>Stainless Steel and harder Steel grades</p>	<p>Aluminum</p>	<p>Carbon Steel, Structural Steel, Cast Iron and general purpose metal use</p>	<p>Carbon Steel, Cast Iron and general purpose metal use</p>

APPLICATION	<p>ULTRA THIN WHEEL 1MM</p>	<p>THIN WHEEL .045"</p>	<p>THIN WHEEL .060"</p>	<p>CUTTING WHEEL 3/32"</p>	<p>PIPELINE NOTCHING WHEEL 1/8"</p>	<p>COMBO WHEEL 1/8"</p>	<p>PIPELINE NOTCHING WHEEL 1/8"</p>	<p>GRINDING WHEEL 1/4"</p>
	 <p>Sheet metal, tubes, profiles and small cross-section rods</p>	 <p>Tubes, bar stock and large cross-sections</p>	 <p>Angle Iron, large cross-sections</p>	 <p>Notching</p>	 <p>Switching between cutting and grinding</p>	 <p>For tough root pass notching & facing applications on the pipeline</p>	 <p>Heavy stock removal, scale removal, weld removal, weld blending, edge beveling and torch-cut softening</p>	

CUTTING, GRINDING & COMBO WHEELS

Our high quality line up helps you easily select the best solution for your toughest metal fabrication jobs.



BONDED FIELD SELECTION GUIDE

SIZE	2"	3"	4"	4.5"	5"	6"	7"	9"	12"	14"	16"	20"	
	DIE GRINDERS 1/4" & 3/8" Arbor		GRINDERS 5/8" Arbor	ANGLE GRINDERS 7/8" Arbor or 5/8"-11 Nut					CHOP SAWS 1" Arbor				
									HIGH SPEED SAWS 1" & 20mm Arbor				
												STATIONARY SAWS 1" Arbor	

TYPE	CUTTING		GRINDING	
TYPE	Type 1 (Flat)	Type 27 (Depressed Center)	Type 27 (Depressed Center)	Type 28 (Depressed Center)
	90°	90°	0 - 45° 25 - 35° for optimal performance	0 - 30° 0 - 15° for optimal performance
	Flat profile allows for deep cuts	Added clearance when working at a constrained angle	Flat profile with depressed center allows for a wide range of grinding angles (0-45)	Designed for increased aggression at lower working angles and increased access

GRAIN	Material	Characteristics
	Ceramic Alumina (CG)	<ul style="list-style-type: none"> Self-sharpening crystals with predetermined fracture points High cut rate at moderate pressure
	Zirconia Alumina (ZA)	<ul style="list-style-type: none"> Self-sharpening crystals Holds up under extreme pressure Sharper, faster cut
	Aluminum Oxide (AO)	<ul style="list-style-type: none"> Single crystal Durable for short-term grinding
	Silicon Carbide (C)	<ul style="list-style-type: none"> Extremely hard grain Very sharp and fast cutting Friable, not as tough as other grains

MOUNTING

Mandrel required for 1/4" & 3/8" arbors on 2", 3" & 4" products

1/4" Arbor

3/8" Arbor

5/8" Arbor

7/8" Arbor

Adapting nuts required for 5/8" & 7/8" arbors

5/8" - 11 Nut

- Quick spin-on, spin-off change over
- Metal nut eliminates cross-threading or sticking to spindle due to heat build-up

GRAIN	C	AO	ZA	ZA+	CG	
DURABILITY	+					
SELF SHARPENING	+					
	+= Ceramic Infused					
GRIT	16	24	30	36	46	60
	COARSE			FINE		
GRADE	N	P	R	S	T	U
	SOFT			HARD		

