

Grind and finish in one step to save time and money.

FLAP DISC FIELD SELECTION GUIDE

CONTAMINANT-FREE
ALL PERFORMANCE LINE PRODUCTS
CONTAIN LESS THAN 0.1% IRON, SULPHUR & CHLORINE



PERFORMANCE & STYLE

	MAX PERFORMANCE	HIGH PERFORMANCE	PERFORMANCE	VALUE
ADVANTAGES	<p>TIGER CERAMIC</p> <ul style="list-style-type: none"> • TOP COAT for cool, fast grinding • Protects from heat discoloration • Prevents loading on soft alloys <p>ABRASIVE GRAIN: Ceramic Alumina CONTAMINANT FREE: Yes</p>	<p>TIGER X</p> <ul style="list-style-type: none"> • FLAT SURFACE GRINDING • Less effort required • Fast grinding & long life <p>Ceramic & Zirconia Alumina Yes</p>	<p>TIGER PAW</p> <ul style="list-style-type: none"> • SUPERIOR EDGE GRINDING • Aggressive stock removal <p>100% Zirconia Alumina Yes</p>	<p>WOLVERINE</p> <ul style="list-style-type: none"> • Fast stock removal • Consistent performance <p>Zirconia Alumina</p>
BEST ON	Stainless Steel, Aluminum, Tool Steel, Inconel, High Nickel Alloy, Titanium and Armored Steel	Carbon Steel, Stainless Steel, Structural Steel and Cast Iron		Steel, Cast Iron, General Use
CONICAL (Type 29) The angle maximizes surface contact for aggressive stock removal on flat surfaces.	(SABER TOOTH)			
FLAT (Type 27) Smooth grinding, blending and finishing on flat surfaces and slight contours.				
HIGH DENSITY (Type 27 & Type 29) Conformable to irregular surfaces. Smooth grinding, blending & finishing on flat surfaces.	(SABER TOOTH)	(BIG CAT*)		

SPECIALTY DISCS

Trimmable
(Non-Marking)

Trimmable composite backing for flexibility and versatility. Will not mark the workpiece.

Aluminum Back
(Rigid Support)

Aluminum backing plate provides rigid support needed in pipeline applications.

Aluminum
(Non-Loading)

Paired flap design for high performance grinding on aluminum. Coating is designed to eliminate loading and allows disc to maintain a high cut-rate.

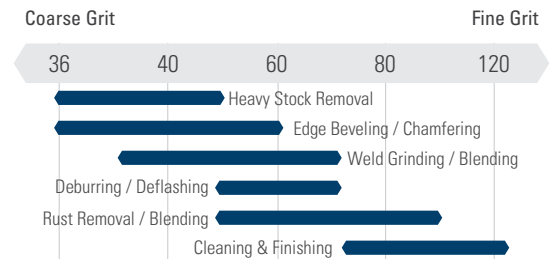
BobCat Mini Discs
(Tight Spaces)

For grinding hard-to-reach areas. Composite backing.

Angled
(Fillet Welds)

Curved flaps contour grinding perfectly for fillet weld grinding while also allowing for efficient flat surface grinding.

GRIT



KEY: PERFORMANCE LINE VALUE LINE

800.835.9999 / weilerabrasives.com



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

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DISC SIZE

	2"	3"	4"	4.5"	5"	6"	7"
TIGER CERAMIC				✓	✓		✓
TIGER CERAMIC HD				✓	✓		✓
TIGER X				✓	✓	✓	✓
TIGER BIG CAT (HD)				✓	✓		✓
TIGER ANGLED				✓	✓		
TIGER TRIMMABLE				✓	✓		
TIGER ALUMINUM BACK			✓	✓	✓		✓
TIGER ALUMINUM				✓			
TIGER MINI BOBCAT	✓	✓					
TIGER PAW			✓	✓	✓	✓	✓
TIGER PAW HD				✓	✓	✓	✓
WOLVERINE			✓	✓	✓	✓	✓
WOLVERINE HD				✓		✓	✓

BACKING

Phenolic



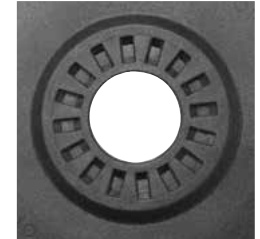
Prevents backing from scratching the workpiece.

Aluminum



Rigid support for maximum aggression; recyclable.

Composite*



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

*BobCat™ Discs are not Trimmable.

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

ARBORS & DRIVE MANDRELS

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



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



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

