

# RESIN FIBER DISC SELECTION GUIDE FOR METAL FABRICATION



## MAX PERFORMANCE SUPERIOR CUT & LIFE

3D Percision-Shaped Ceramic Alumina  
**CONTAMINANT FREE\***

**TOP COATED**

Grinds cool, minimizes heat discoloration

**UNCOATED**

discs provide maximum cut rate on steel

**STAINLESS** **HARD-TO-GRIND**

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

**STEEL / METAL**

(Metal include structural steel and cast iron)



## VALUE PERFORMANCE FAST CUT

Zirconia Alumina  
**CONTAMINANT FREE\***

Aluminum Oxide

**NON-LOADING**

Pretreated to eliminate loading right out of the box

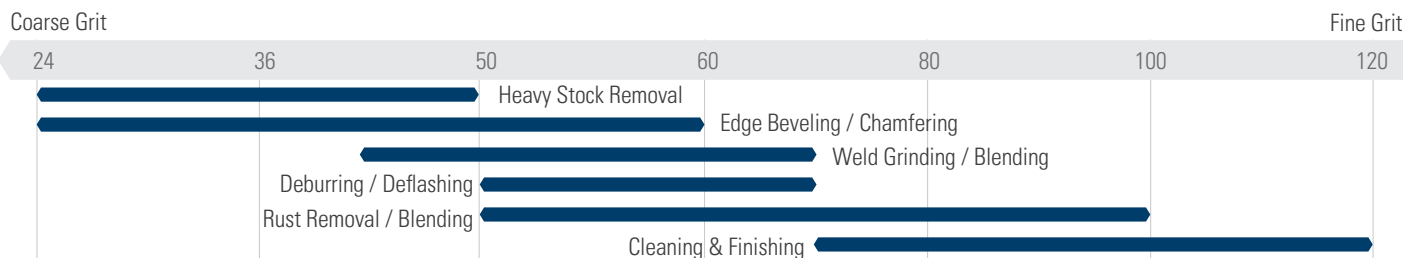
**STEEL / METAL** **STAINLESS**

(Metal includes structural steel and cast iron)

**STEEL / METAL**

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

APPLICATION



# RESIN FIBER DISC SELECTION GUIDE

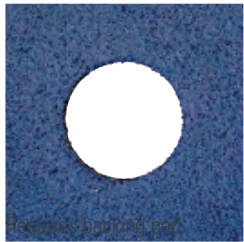
## DISC SIZE

	4"	4.5"	5"	7"	9"
<b>TIGER 3D MAX</b>		✓	✓	✓	
<b>TIGER CERAMIC</b>		✓	✓	✓	✓
<b>TIGER ALUMINUM</b>		✓	✓	✓	
<b>TIGER ZIRC</b>		✓	✓	✓	
<b>WOLVERINE ZIRC</b>		✓	✓	✓	
<b>WOLVERINE AO</b>	✓	✓	✓	✓	✓

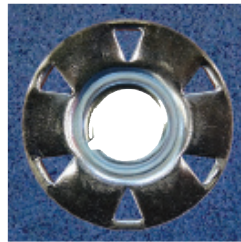
KEY: ✓ PERFORMANCE LINE ✓ VALUE LINE

## HUB & ARBOR

### 5/8" & 7/8" Arbor



### 5/8"-11 Hub



Quick change hub option reduces down time and eliminates interference from adapter rings

## BACKING PADS

Select the right flexibility of your backing pad to optimize grinding performance:



### Soft Flex

Provides increased flexibility and conformity for curved and irregular parts.

### Medium Flex

Provides wide, even contact patch on consistent surfaces at angles between 7 and 15 degrees.

### Hard / Stiff Flex

Provides maximum aggression at lower grinding angles on flat, even surfaces.

## GRAIN



### 3D MAX CERAMIC GRAIN

- Precision-shaped ceramic abrasive grain
- Self-sharpening micro fracturing crystals expose sharp edges
- Maximum cut-rate for the life of the grain



### ZIRCONIA ALUMINA (ZA)

- Self-sharpening crystals
- Holds up under high temperatures and extreme pressure
- Sharp, fast cutting, long lasting grain



### CERAMIC ALUMINA (CA)

- Self-sharpening micro fracturing crystals expose sharp edges
- Maintains a high cut-rate for the life of the grain
- Long cutting life under moderate to high pressure

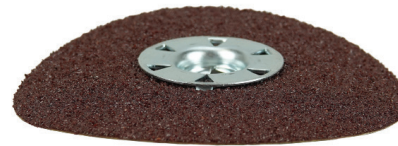


### ALUMINUM OXIDE (AO)

- Single crystal that dulls during use
- Good initial cut rate
- Hard, durable grain

## STORAGE & SAFETY

**Storage & Handling:** Discs should be stored in a flat, dry location with an ambient temperature that is as consistent as possible. Ideally 40 - 50% humidity and 60 - 80 degrees F.



### Positive Curl

- Resin Fiber Disc bending TOWARD the backup pad.
- Should NOT exceed 1/4" for safe use.
- Caused from excessive dryness.

### Negative Curl

- Outer edges curling AWAY from the backup pad.
- Discs with negative curl should NOT be installed or used.
- Prolonged exposure to moisture/humidity will create this condition.
- Move discs to a less humid environment to eliminate negative curl.

**Maximum RPM:** Do not exceed maximum RPM of back-up pad.

