

# FLAP DISCS



*Get the most demanding grinding and finishing jobs  
done right and done fast.*



# 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



\*Big Cat

### 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 |
|-----------------------------------------|--|-----------------|------------------|-------------|
| <b>ANGLED</b><br>(Fillet Welds)         |  | ✓               | ✓                |             |
| <b>TRIMMABLE</b><br>(Non-Marking)       |  | ✓               | ✓                |             |
| <b>ALUMINUM BACK</b><br>(Rigid Support) |  |                 | ✓                |             |
| <b>ALUMINUM</b><br>(Non-Loading)        |  |                 | ✓                |             |
| <b>MINI</b><br>(Tight Spaces)           |  |                 |                  | ✓ (Bobcat)  |

Refer to ANSI B7.1 for storage & handling details

KEY: ✓ PERFORMANCE LINE ✓ VALUE LINE

Read and Comply with ANSI B7.1

## 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.



**HIGH DENSITY** (Type 29)  
15° – 35°



Conformable to irregular surfaces. Aggressive stock removal, edge beveling and chamfering.



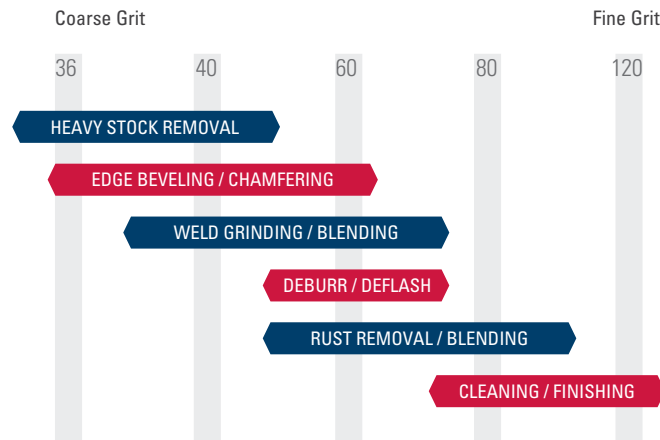
**ANGLED** (Type 27 / Hybrid)  
0° – 35°



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

## GRIT

\* for grit recommendations for aluminum see page 8.



## 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



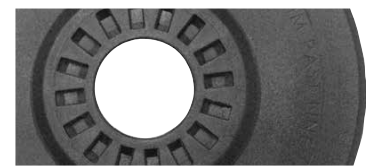
Prevents backing from scratching the workpiece.

### ALUMINUM



Rigid support for maximum aggression; recyclable.

### COMPOSITE\*



Trimable, 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



### MANDRELS & METAL HUB PADS

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





Tiger X flap disc blending a weld on a flat surface.

# STANDARD DENSITY FLAP DISCS



Weiler offers standard density flap discs in four performance tiers, including Tiger X, which is a great choice if you're looking for high performance on relatively flat surfaces, and Tiger Paw for demanding edge grinding applications.

All Tiger flap discs are contaminant free, making them safe to use on stainless steel.



50106

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

Top Coated for Cool Grinding / Ceramic Alumina / Phenolic Back

| STEEL / METAL |      | STAINLESS | HARD-TO-GROUND | ALUMINUM | TYPE 29<br>7/8" Arbor |        | TYPE 29<br>5/8"-11 Hub |        |
|---------------|------|-----------|----------------|----------|-----------------------|--------|------------------------|--------|
| Diameter      | Grit | Max. RPM  | Std. Pack      | Item #   | Item #                | Item # | Item #                 | Item # |
| 4-1/2"        | 36   | 13,000    | 10             | 50100    | 50104*                |        |                        |        |
|               | 40   |           |                | 50101    | 50105*                |        |                        |        |
|               | 60   |           |                | 50102    | 50106*                |        |                        |        |
|               | 80   |           |                | 50103    | 50107*                |        |                        |        |
| 7"            | 36   | 8,600     | 10             | —        | 50112*                |        |                        |        |
|               | 40   |           |                | 50109    | 50113*                |        |                        |        |



51205

## P HIGH PERFORMANCE / TIGER X

Fast Grinding & Long Life on Flat Surfaces / Ceramic & Zirconia Alumina / Phenolic Back

| STEEL / METAL |      | STAINLESS | TYPE 29<br>7/8" Arbor |        | TYPE 29<br>5/8"-11 Hub |        | TYPE 27<br>7/8" Arbor |        | TYPE 27<br>5/8"-11 Hub |        |
|---------------|------|-----------|-----------------------|--------|------------------------|--------|-----------------------|--------|------------------------|--------|
| Diameter      | Grit | Max. RPM  | Std. Pack             | Item # | Item #                 | Item # | 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*                | —      | —                      | —      |
| 5"            | 36   | 12,000    | 10                    | 51208  | —                      | —      | —                     | —      | —                      | —      |
|               | 40   |           |                       | 51209  | 51212*                 | —      | —                     | —      | —                      | —      |
|               | 60   |           |                       | 51210  | 51213*                 | —      | —                     | —      | —                      | —      |
|               | 80   |           |                       | —      | 51214*                 | —      | —                     | —      | —                      | —      |
| 6"            | 40   | 10,200    | 10                    | 51237  | 51241*                 | —      | —                     | —      | —                      | —      |
|               | 60   |           |                       | 51238  | 51242*                 | —      | —                     | —      | —                      | —      |
| 7"            | 36   | 8,600     | 10                    | 51215  | 51219*                 | —      | —                     | —      | —                      | —      |
|               | 40   |           |                       | 51216  | 51220*                 | 51229  | 51232*                | —      | —                      | —      |
|               | 60   |           |                       | 51217  | —                      | —      | 51233*                | —      | —                      | —      |
|               | 80   |           |                       | —      | 51222*                 | 51231  | 51234*                | —      | —                      | —      |



Industry First

# X3

Technology

grain anchoring system,  
dual flap design,  
& engineered backing.



Ceramic alumina and  
zirconia alumina grain mix

**Grinds Faster and  
Lasts Longer.**



Tiger Paw grinding the edge of a torch-cut steel plate.

## P PERFORMANCE / TIGER PAW™

Aggressive Stock Removal for Edge Grinding / 100% Zirconia Alumina / Phenolic Back

| STEEL / METAL |      | STAINLESS   |              | TYPE 29<br>5/8" Arbor | TYPE 29<br>7/8" Arbor | TYPE 29<br>5/8"-11 Hub | TYPE 27<br>5/8" Arbor | TYPE 27<br>7/8" Arbor | TYPE 27<br>5/8"-11 Hub |
|---------------|------|-------------|--------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|------------------------|
| Dia.          | Grit | Max.<br>RPM | Std.<br>Pack | Item #                | Item #                | Item #                 | Item #                | Item #                | Item #                 |
| 4"            | 40   | 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           | —                     | —                     | 51153*                 | —                     | —                     | 51155*                 |
|               | 40   |             |              | —                     | 51129                 | 51132*                 | —                     | 51134                 | 51156*                 |
|               | 60   |             |              | —                     | —                     | 51133*                 | —                     | 51135                 | 51157*                 |
|               | 80   |             |              | —                     | —                     | 51154*                 | —                     | —                     | 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*                 | —                     | —                     | 51142*                 |
|               | 80   |             |              | —                     | —                     | 51148*                 | —                     | —                     | 51143*                 |



51126

## V WOLVERINE®

Consistent Performance / Zirconia Alumina / Phenolic Back

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



31343

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 B1



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

# HIGH DENSITY FLAP DISCS

High density discs have more flaps than standard density discs, giving them a thicker profile that increases flexibility and allows the disc to conform to curves and irregular surfaces more easily. The high-density design also reduces vibration, improving operator experience. These discs last up to 40% longer than a standard density disc.



50134

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

Top Coated for Cool Grinding on Irregular Surfaces / Ceramic Alumina / Phenolic Back

STEEL / METAL STAINLESS HARD-TO-GRIND ALUMINUM

TYPE 27  
7/8" Arbor

TYPE 27  
5/8"-11 Hub

| Diameter | Grit | Max. RPM | Std. Pack | Item # | Item # |
|----------|------|----------|-----------|--------|--------|
| 4-1/2"   | 40   | 12,000   | 10        | 50130  | 50133* |
|          | 60   |          |           | 50131  | 50134* |
|          | 80   |          |           | 50132  | 50135* |
| 7"       | 40   | 8,600    | 10        | 50136  | 50139* |
|          | 60   |          |           | —      | 50140* |
|          | 80   |          |           | —      | 50141* |



50804

## P HIGH PERFORMANCE / TIGER BIG CAT® HD

Fast Grinding & Long Life on Irregular Surfaces / Zirconia Alumina / Phenolic Back

STEEL / METAL STAINLESS

TYPE 27  
7/8" Arbor

TYPE 27  
5/8"-11 Hub

| Diameter | Grit | Max. RPM | Std. Pack | Item # | Item # |
|----------|------|----------|-----------|--------|--------|
| 4-1/2"   | 40   | 12,000   | 10        | 50803  | 50808* |
|          | 60   |          |           | 50804  | 50809* |
|          | 80   |          |           | 50805  | 50810* |
|          | 120  |          |           | 50806  | —      |
| 7"       | 40   | 8,600    | 10        | 50823  | 50843* |
|          | 60   |          |           | 50824  | 50844* |
|          | 80   |          |           | 50825  | 50845* |

25MM WIDE FLAPS  
INDUSTRY STANDARD

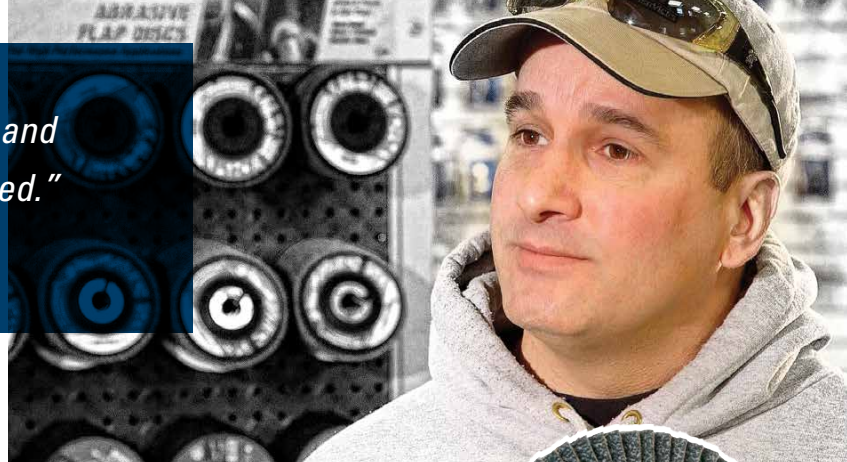
30MM WIDE FLAPS  
BIG CAT & TIGER PAW HD

## INDUSTRY-LEADING FOOTPRINT

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

*"I have been in the business for 20+ years and I find Weiler to be the best I have ever used."*

- Andy Bettelli, Pipeline Contractor, A B Welding



## P PERFORMANCE / TIGER PAW™ HD

Aggressive Stock Removal on Irregular Surfaces  
100% Zirconia Alumina / Phenolic Back

STEEL / METAL STAINLESS

| Diameter | Grit | Max. RPM | Std. Pack | TYPE 29<br>7/8" Arbor |        | TYPE 27<br>5/8"-11 Hub |        |
|----------|------|----------|-----------|-----------------------|--------|------------------------|--------|
|          |      |          |           | Item #                | Item # | Item #                 | Item # |
| 4-1/2"   | 36   | 12,000   | 10        | 51060                 | 51064* | 51160                  | 51164* |
|          | 40   |          |           | 51061                 | 51065* | 51161                  | 51165* |
|          | 60   |          |           | 51062                 | 51066* | 51162                  | 51166* |
|          | 80   |          |           | 51063                 | 51067* | 51163                  | 51167* |
| 6"       | 40   | 10,200   | 10        | —                     | —      | 51191                  | —      |
|          | 60   |          |           | —                     | —      | 51192                  | —      |
|          | 80   |          |           | —                     | —      | 51185                  | —      |
| 7"       | 40   | 8,600    | 10        | —                     | —      | 51170                  | 51168* |
|          | 60   |          |           | —                     | —      | —                      | 51169* |



51165

31388

## V WOLVERINE® HD

Consistent Performance on Irregular Surfaces / Zirconia Alumina / Phenolic Back

STEEL / METAL

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



## ACCESSORIES

### 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 right.



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 B1

# SPECIALTY FLAP DISCS



Edge chamfering a section of pipe with a Tiger Aluminum Back flap disc.

## ALUMINUM BACK

Tiger Aluminum Back flap discs are the benchmark for the pipeline industry, providing rigid support for maximum aggression. These discs are ideal for removing heavy pitting and resists rolling the bevel ends prior to welding. The aluminum backing also prevents the disc from catching on the bevel when grinding. The aluminum backing plate is 100% recyclable.



### P HIGH PERFORMANCE / TIGER® ALUMINUM BACK

Fast Grinding & Long Life / Zirconia Alumina / Backing Plate Provides Rigid Support

| STEEL / METAL |      | STAINLESS |           | TYPE 29<br>5/8" Arbor |        |        | TYPE 29<br>7/8" Arbor |        | TYPE 29<br>5/8"-11 Hub |        |
|---------------|------|-----------|-----------|-----------------------|--------|--------|-----------------------|--------|------------------------|--------|
| Diameter      | Grit | Max. RPM  | Std. Pack | Item #                | Item # | Item # | Item #                | Item # | Item #                 | Item # |
| 4"            | 36   | 15,000    | 10        | 50502                 | —      | —      | —                     | —      | —                      | —      |
|               | 40   |           |           | 50503                 | —      | —      | —                     | —      | —                      | —      |
|               | 60   |           |           | 50504                 | —      | —      | —                     | —      | —                      | —      |
|               | 80   |           |           | 50505                 | —      | —      | —                     | —      | —                      | —      |
| 4-1/2"        | 24   | 13,000    | 10        | —                     | 50511  | 50510  | —                     | —      | —                      | —      |
|               | 36   |           |           | —                     | 50512  | 50517  | —                     | —      | —                      | —      |
|               | 40   |           |           | —                     | 50513  | 50518  | —                     | —      | —                      | —      |
|               | 60   |           |           | —                     | 50514  | 50519  | —                     | —      | —                      | —      |
|               | 80   |           |           | —                     | 50515  | 50520  | —                     | —      | —                      | —      |
|               | 120  |           |           | —                     | 50516  | 50509  | —                     | —      | —                      | —      |
| 5"            | 36   | 12,000    | 10        | —                     | 50522  | —      | —                     | —      | —                      | —      |
| 7"            | 24   | 8,600     | 10        | —                     | —      | 50541  | —                     | —      | —                      | —      |
|               | 36   |           |           | —                     | —      | 50542  | —                     | —      | —                      | —      |
|               | 40   |           |           | —                     | —      | 50543  | —                     | —      | —                      | —      |
|               | 60   |           |           | —                     | —      | 50544  | —                     | —      | —                      | —      |
|               | 80   |           |           | —                     | —      | 50545  | —                     | —      | —                      | —      |



50519

## FOR ALUMINUM

Tiger Aluminum flap discs offer an innovative paired flap design that delivers high performance grinding on aluminum. The top flaps are coated to eliminate loading and allow the disc to maintain a high cut-rate, while the alternating flaps aggressively remove material with self-sharpening zirconia aluminum grains. This unique paired flap design delivers the ultimate combination of high performance grinding for aluminum at an exceptional value.

**Coarse**  
36 Grit

Ideal for chamfering,  
beveling, weld  
removal and stock  
removal

**Fine**  
60 Grit

Ideal for weld  
blending, finishing and  
cosmetic detail work

### HIGH PERFORMANCE / TIGER® ALUMINUM

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

| ALUMINUM |      |          |           | TYPE 27<br>7/8" Arbor |        | TYPE 29<br>5/8"-11 Hub |        | TYPE 29<br>7/8" Arbor |        | TYPE 29<br>5/8"-11 Hub |        |
|----------|------|----------|-----------|-----------------------|--------|------------------------|--------|-----------------------|--------|------------------------|--------|
| Diameter | Grit | Max. RPM | Std. Pack | Item #                | Item # | Item #                 | Item # | Item #                | Item # | Item #                 | Item # |
| 4-1/2"   | 36   | 13,000   | 10        | 51252                 | 51256  | 51250                  | 51254  | 51250                 | 51254  | 51250                  | 51254  |
|          | 60   |          |           | 51253                 | 51257  | 51251                  | 51255  | 51251                 | 51255  | 51251                  | 51255  |

### PAIRED FLAP DESIGN

Delivers High Performance Grinding  
on Aluminum

### SELF SHARPENING

Zirconia Alumina Grains Deliver Aggressive Grinding

### COATED FLAPS

Eliminate Loading



# ANGLED DISCS

Weiler's Tiger Angled flap discs offer a curved flap design that is ideal for grinding fillet welds, T-joints and hard-to-reach places. The flaps wrap around the edge of the backing plate, optimizing metal contact and providing exceptional feel and control.

These discs are available in ceramic for maximum performance on hard-to-grind metals and zirc for high performance on steel and stainless.



The curved flap design provides optimal contact when grinding fillet welds.

## P MAX PERFORMANCE / TIGER® CERAMIC ANGLED

Top Coated for Cool Grinding on Fillet Welds / Ceramic Alumina / Phenolic Back

| Diameter | Grit | Max. RPM | Std. Pack | 7/8" Arbor |  | 5/8"-11 Hub |  |
|----------|------|----------|-----------|------------|--|-------------|--|
|          |      |          |           | Item #     |  | Item #      |  |
| 4-1/2"   | 40   | 13,000   | 10        | 51312      |  | 51315       |  |
|          | 60   |          |           | 51313      |  | 51316       |  |
|          | 80   |          |           | 51314      |  | 51317       |  |
| 5"       | 40   | 12,000   | 10        | 51318      |  | 51321       |  |
|          | 60   |          |           | 51319      |  | 51322       |  |



51313

## P HIGH PERFORMANCE / TIGER ANGLED

Fast Grinding & Long Life on Fillet Welds / Zirconia Alumina / Phenolic Back

| Diameter | Grit | Max. RPM | Std. Pack | 7/8" Arbor |  | 5/8"-11 Hub |  |
|----------|------|----------|-----------|------------|--|-------------|--|
|          |      |          |           | Item #     |  | Item #      |  |
| 4-1/2"   | 40   | 13,000   | 10        | 51300      |  | 51303       |  |
|          | 60   |          |           | 51301      |  | 51304       |  |
|          | 80   |          |           | —          |  | 51305       |  |
| 5"       | 40   | 12,000   | 10        | 51306      |  | 51309       |  |



51303

### SMOOTH FINISH

when grinding fillet welds & T-joints

### FLEXIBILITY OF APPROACH

flap design allows you to grind from a wider range of angles

### MORE GRIT OPTIONS

gives you the finish and aggression you want

### ATTACKS METAL

removing more material in less time



**TOP COAT** (Ceramic only) grinds cooler to protect valuable parts and prevents loading on softer alloys

# SPECIALTY FLAP DISCS

## TRIMMABLE DISCS



To trim backing, run against a sharp edge until desired backing diameter is achieved.

Tiger Trimmable flap discs provide flexibility and versatility when grinding steel and stainless steel. 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.

- Composite backing that can be trimmed, exposing more abrasive material.
- Composite backing will not mark the workpiece.



50121

### P MAX PERFORMANCE / TIGER® CERAMIC TRIM (SABER TOOTH)

Top Coated for Cool Grinding / Ceramic Alumina / Trimmable Composite Back for Versatility

| 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"        | 40        | 13,000        | 10        | 50117      | 50121*      |
|               | 60        |               |           | 50118      | 50122*      |

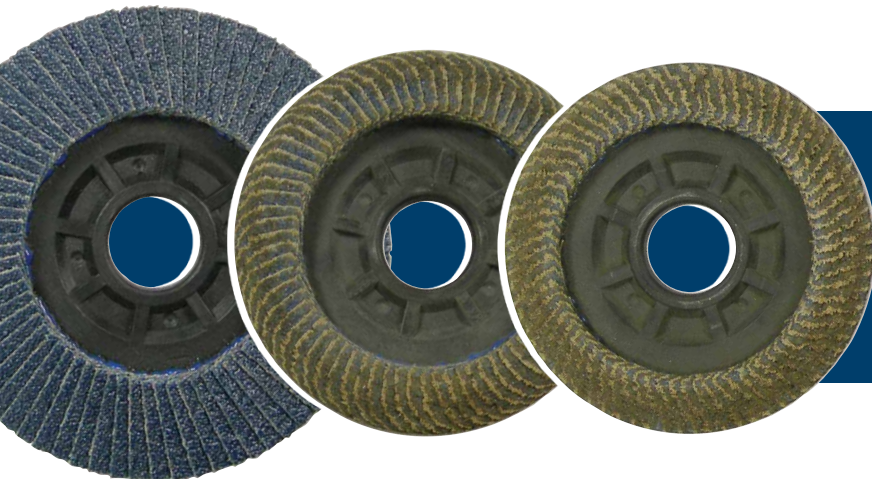


50003

### P PERFORMANCE / TIGER TRIM

Long Grinding Life / Zirconia Alumina / Trimmable Composite Back for Versatility

| Long Grinding Life / Zirconia Alumina / Trimmable Composite Back for Versatility |           |          |           | TYPE 29<br>7/8" Arbor | TYPE 29<br>5/8"-11 Hub |
|----------------------------------------------------------------------------------|-----------|----------|-----------|-----------------------|------------------------|
| STEEL / METAL                                                                    | STAINLESS |          |           |                       |                        |
| Diameter                                                                         | Grit      | Max. RPM | Std. Pack | Item #                | Item #                 |
| 4-1/2"                                                                           | 40        | 13,000   | 10        | 50002                 | 50006*                 |
|                                                                                  | 60        |          |           | 50003                 | 50007*                 |
|                                                                                  | 80        |          |           | 50004                 | 50008*                 |
|                                                                                  | 120       |          |           | —                     | 50009*                 |
| 5"                                                                               | 40        | 12,000   | 10        | 50010                 | 50014                  |



**A trimmed back dramatically extends disc life,** allowing the operator to use the entire flap while maintaining a consistent working angle

## MINI DISCS



Tiger Bobcat mini flap discs are ideal for use on air die grinders for smooth grinding and enhanced conformability in tight areas when working with steel and stainless steel. These mini discs leverage self-sharpening zirconia alumina (ZA) grains that hold up under high temperatures and extreme pressure.

Bobcat sheds cloth and exposes new grain, delivering a consistent, aggressive cut rate and removing 3 times more material over the life of the disc than a comparable blending disc.

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



S Mount



R Mount



Removing paint in tight spaces is easy with a BobCat disc.



50923



50952

## P PERFORMANCE / TIGER BOBCAT™

Grinding Hard-to-Reach Places  
Zirconia Alumina / Composite Back

| STEEL / METAL |      | STAINLESS |           |                     |        |                     |        |
|---------------|------|-----------|-----------|---------------------|--------|---------------------|--------|
| Diameter      | Grit | Max. RPM  | Std. Pack | S MOUNT*<br>TYPE 29 |        | R MOUNT+<br>TYPE 29 |        |
|               |      |           |           | Item #              | Item # | Item #              | Item # |
| 2"            | 36   | 30,000    | 10        | —                   | 50932  | 50946               | 50956  |
|               | 40   |           |           | 50923               | 50933  | 50947               | 50957  |
|               | 60   |           |           | 50924               | 50934  | 50948               | 50958  |
|               | 80   |           |           | 50925               | 50935  | 50949               | 50959  |
|               | 120  |           |           | —                   | 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  |           |           | —                   | 50916  | —                   | 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.

## 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  |
| 3" S mount hub pad + mandrel | 1         | 60509  |
| 3" R mount hub pad + mandrel | 1         | 51552  |



60509



07766

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 B1



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