

TYPE 11 FLARING CUP WHEELS



A REVOLUTION IN FOUNDRY GRINDING

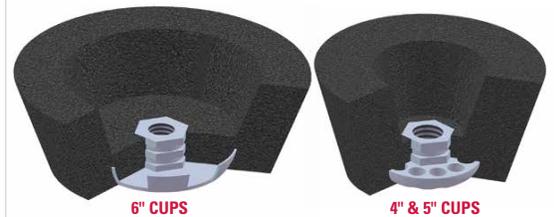
The grinding process in foundries is a tough job. For decades, abrasives technology for off-hand grinding has remained unchanged. It's time for improvement, faster grinding rates, reduced cycle times and an improved operator experience. It's time for a revolution.

Weiler's line of Tiger® type 11 flaring cup grinding wheels deliver the next evolution in technology for portable foundry grinding. From Tiger Ceramic, which provides superior grinding to Tiger SiC for castings with burnt-in sand, our line offers the performance you need to get the job done fast. Tiger Ceramic sets a new standard for performance, delivering up to **30% faster cut-rate** compared to competitive zirconia cups. This faster material removal translates to better productivity in the cleaning room and less operator fatigue.

Specifically designed with performance, safety and versatility in mind, Weiler cup rocks are:

- Precision balanced to ensure smooth, **vibration-free operation** and reduced operator fatigue.
- Unique anchored safety nut locks the cup in place to **increase safety** and prevent product breakage.
- Zinc plated 5/8"-11 nut prevents oxidation, **eliminating contamination** and allows for easy spin-on, spin-off changeover.

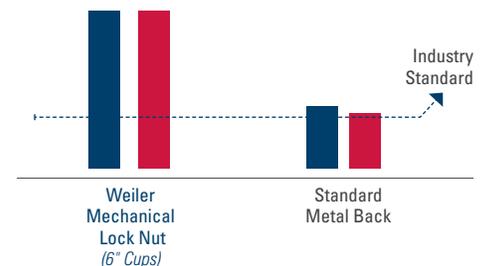
CUP APPLICATIONS: Ideal for heavy metal removal, grinding, transitioning, rough beveling and removing cracks/flaws.



ANCHORED NUT INCREASES SAFETY

Our testing shows that the Weiler anchored safety nut outperformed the industry standard metal back:

- ▶ **Up to 3X higher torque** holding strength
- ▶ **Double speed burst** testing ratings



PRODUCT SELECTION

Designed for use on medium to high power pneumatic and high frequency electric grinders.



MAX PERFORMANCE SUPERIOR LIFE & CUT



TIGER® CERAMIC
Self-sharpening ceramic alumina grains provide ultra-high metal removal rates and optimal productivity.

BEST ON

- CAST IRON DUCTILE IRON
- CAST STEEL HARD-TO-GRIND

white iron, gray iron, high nickel alloy and stainless steel

HIGH PERFORMANCE FAST CUT & LONG LIFE



TIGER ZIRC
Sharp and durable zirconia alumina grains provide fast and consistent metal removal rates throughout the life of the abrasive.

BEST ON

- CAST IRON DUCTILE IRON
- CAST STEEL

white iron, gray iron, high nickel alloy and stainless steel

PERFORMANCE LONG LIFE



TIGER SiC
Silicon carbide grains provide a consistent, controlled cut-rate on sand castings with burnt-in sand.

BEST ON

- BURNT IN SAND

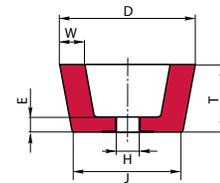
TIGER AO
Aluminum oxide grains provide an even, sharp, clean cut-rate and consistent performance.

BEST ON

- CAST IRON
- ductile iron, carbon steel and stainless steel

RIM (W) WIDTH OPTIONS

| | |
|-------------------|---|
| 1-1/2" RIM | Large grinding zone to minimize grind time |
| 1" RIM | Medium grinding zone for maximum material removal in targeted areas |
| 3/4" RIM | Ideal for targeted material removal in small, hard-to-access areas |



MAX PERFORMANCE GRINDING

| CAST IRON | | DUCTILE IRON | | CAST STEEL | | HARD-TO-GRIND | | TIGER CERAMIC / Superior Life & Cut | |
|------------------|---------------|--------------|---------|------------|--------|---------------|-----------|-------------------------------------|--|
| Diameter (D / J) | Thickness (T) | Arbor (H) | Rim (W) | Back (E) | Grade | Max. RPM | Std. Pack | Item # | |
| 6" / 4-3/4" | 2" | 5/8"-11 | 1-1/2" | 3/4" | HZA16Q | 6,000 | 5 | 68400 | |

HIGH PERFORMANCE GRINDING

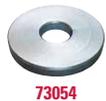
| CAST IRON | | DUCTILE IRON | | CAST STEEL | | TIGER ZIRC / Fast Cut & Long Life | | | |
|------------------|---------------|--------------|---------|------------|--------|-----------------------------------|-----------|--------|--|
| Diameter (D / J) | Thickness (T) | Arbor (H) | Rim (W) | Back (E) | Grade | Max. RPM | Std. Pack | Item # | |
| 4" / 3" | 2" | 5/8"-11 | 3/4" | 3/4" | ZA16Q | 9,070 | 5 | 68352 | |
| 5" / 3-3/4" | 2" | 5/8"-11 | 1" | 3/4" | ZA16Q | 7,260 | 5 | 68355 | |
| 6" / 4-3/4" | 2" | 5/8"-11 | 1" | 3/4" | ZA16Q | 6,000 | 5 | 68358 | |
| 6" / 4-3/4" | 2" | 5/8"-11 | 1-1/2" | 3/4" | ZAC16Q | 6,000 | 5 | 68361+ | |
| 6" / 4-3/4" | 2" | 5/8"-11 | 1-1/2" | 3/4" | ZA16R | 6,000 | 5 | 68362 | |
| 6" / 4-3/4" | 2" | 5/8"-11 | 1-1/2" | 3/4" | ZA16Q | 6,000 | 5 | 68364 | |

PERFORMANCE GRINDING

| BURNT IN SAND | | TIGER SiC / Long Life | | | | | | | |
|------------------|---------------|-----------------------|---------|----------|-------|----------|-----------|--------|--|
| Diameter (D / J) | Thickness (T) | Arbor (H) | Rim (W) | Back (E) | Grade | Max. RPM | Std. Pack | Item # | |
| 4" / 3" | 2" | 5/8"-11 | 3/4" | 3/4" | C16Q | 9,070 | 5 | 68351 | |
| 5" / 3-3/4" | 2" | 5/8"-11 | 1" | 3/4" | C16Q | 7,260 | 5 | 68354 | |
| 6" / 4-3/4" | 2" | 5/8"-11 | 1" | 3/4" | C16Q | 6,000 | 5 | 68357 | |
| 6" / 4-3/4" | 2" | 5/8"-11 | 1-1/2" | 3/4" | C16Q | 6,000 | 5 | 68069 | |

| CAST IRON | | TIGER AO / Long Life | | | | | | | |
|------------------|---------------|----------------------|---------|----------|-------|----------|-----------|--------|--|
| Diameter (D / J) | Thickness (T) | Arbor (H) | Rim (W) | Back (E) | Grade | Max. RPM | Std. Pack | Item # | |
| 4" / 3" | 2" | 5/8"-11 | 3/4" | 3/4" | A16Q | 9,070 | 5 | 68350 | |
| 5" / 3-3/4" | 2" | 5/8"-11 | 1" | 3/4" | A16Q | 7,260 | 5 | 68353 | |
| 6" / 4-3/4" | 2" | 5/8"-11 | 1" | 3/4" | A16Q | 6,000 | 5 | 68356 | |
| 6" / 4-3/4" | 2" | 5/8"-11 | 1-1/2" | 3/4" | A16Q | 6,000 | 5 | 68359 | |
| 6" / 4-3/4" | 2" | 5/8"-11 | 1-1/2" | 3/4" | AC16Q | 6,000 | 5 | 68360+ | |

+ Includes silicon carbide for burnt-in sand and hard-to-grind metals.



FLARING CUP WHEEL MOUNTING FLANGE

Fits over 5/8"-11 spindles

| Diameter | Thickness | Std. Pack | Item # |
|----------|-----------|-----------|--------|
| 2" | 1/4" | 1 | 73054 |

SAFETY WARNING: Using a flaring cup wheel without the proper flange is a violation of ANSI code.

