

TYPE 27 GRINDING 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 Tiger® type 27 grinding wheels deliver the next evolution in technology for portable foundry grinding. The line is available in three performance tiers, including Tiger Ceramic which sets a new standard for maximum performance. The ceramic grain leverages an engineered ultra-fine microstructure that self-sharpens for ultra-fast grinding. This technology allows Tiger Ceramic to remove up to **40% more material** over the life of the wheel compared to competitive zirconia products. This translates to better productivity in the cleaning room and a reduction in abrasives usage.

Weiler foundry grinding wheels offer several other advantages for the most challenging foundry grinding applications, including:

- Advanced anti-chipping technology **improves safety** through the reduction of high energy debris emitted during the grinding process.
- 5/8"-11 nudded metal hub allows for **quick spin-on, spin-off changeover** and eliminates cross-threading or sticking to spindle due to heat build-up.
- Triple fiberglass reinforcement for **added strength**.
- 1/8" combination wheels offer **flexibility and efficiency** when switching between cutting and grinding applications.



ANTI-CHIPPING TECHNOLOGY

eliminates uneven edge breakage and chipping. This technology advancement:

- **Improves operator safety** by reducing flying debris during the grinding process
- **Eliminates the need to dress the wheel** to regain a workable edge
- Provides **longer wheel life** and increased consistency





MAX PERFORMANCE SUPERIOR CUT & LONG LIFE



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

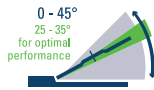


TIGER AO

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

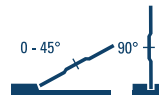
BEST ON

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



1/4" GRINDING WHEELS:

Ideal for heavy stock removal, removing cracks and surface imperfections, blending parting lines, removing flash.



1/8" COMBO WHEELS:

Ideal for light grinding applications as well as blending parting lines, removing flash, and cutting gates and risers.



68387

MAX PERFORMANCE

TIGER CERAMIC / Superior Cut & Long Life

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

Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #
TYPE 27 DEPRESSED CENTER 1/4" GRINDING WHEELS							
7"	1/4"	CER24T	8,500	10	68388	10	68389
9"	1/4"	CER24T	6,600	10	68392	10	68393
TYPE 27 DEPRESSED CENTER 1/8" CUT & GRIND COMBO WHEELS							
7"	1/8"	CER30T	8,500	25	68386	10	68387
9"	1/8"	CER30T	6,600	25	68390	10	68391



68381

HIGH PERFORMANCE

TIGER ZIRC / Fast Cut & Long Life

- CAST IRON** **DUCTILE IRON** **CAST STEEL**

Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #
TYPE 27 DEPRESSED CENTER 1/4" GRINDING WHEELS							
7"	1/4"	Z24T	8,500	10	68380	10	68381
9"	1/4"	Z24T	6,600	10	68384	10	68385
TYPE 27 DEPRESSED CENTER 1/8" CUT & GRIND COMBO WHEELS							
7"	1/8"	Z30T	8,500	25	68378	10	68379
9"	1/8"	Z30T	6,600	25	68382	10	68383



68371

PERFORMANCE

TIGER AO / Long Life

- CAST IRON**

Diameter	Thickness	Grade	Max. RPM	Std. Pack	Item #	Std. Pack	Item #
TYPE 27 DEPRESSED CENTER 1/4" GRINDING WHEELS							
7"	1/4"	A24T	8,500	10	68372	10	68373
9"	1/4"	A24T	6,600	10	68376	10	68377
TYPE 27 DEPRESSED CENTER 1/8" CUT & GRIND COMBO WHEELS							
7"	1/8"	A30T	8,500	25	68370	10	68371
9"	1/8"	A30T	6,600	25	68374	10	68375

