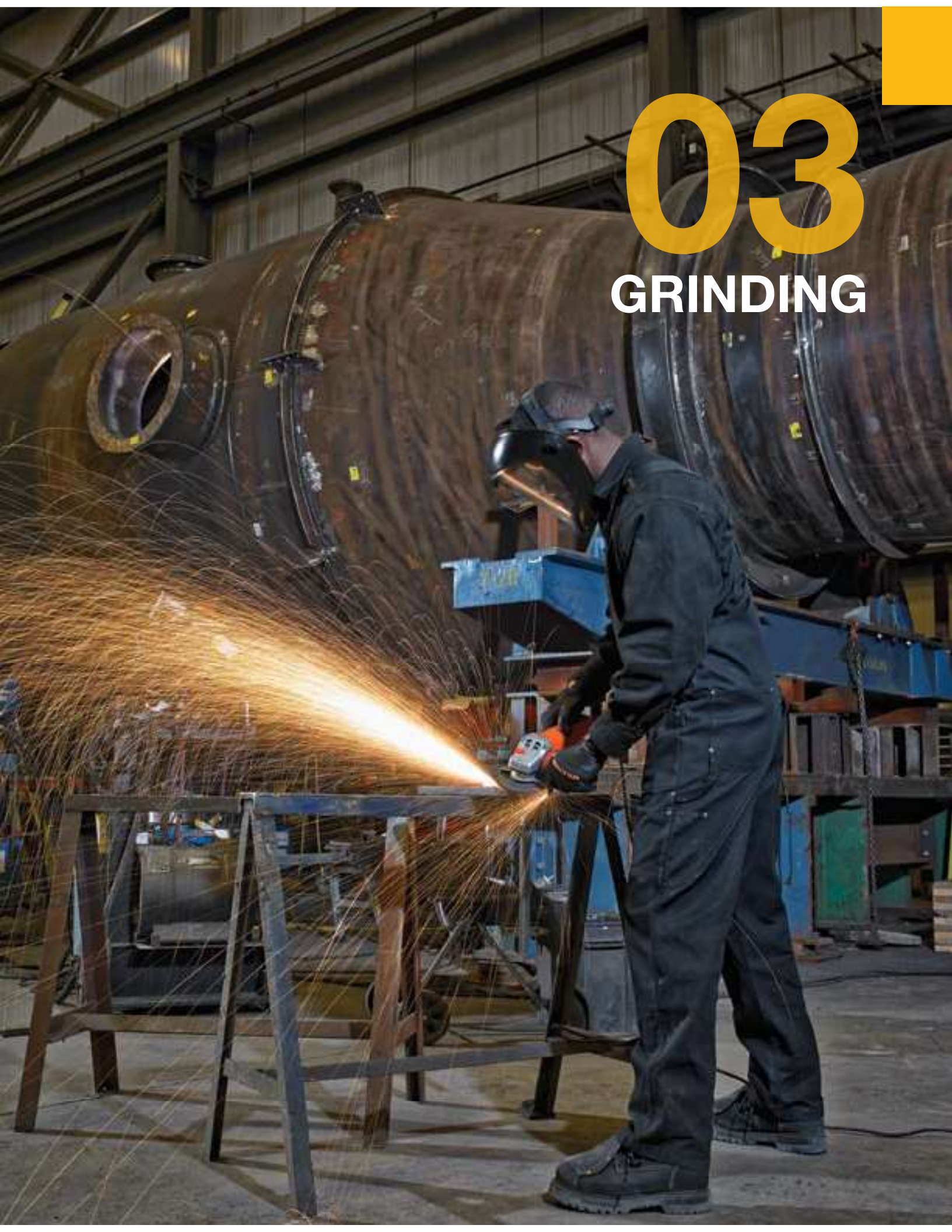


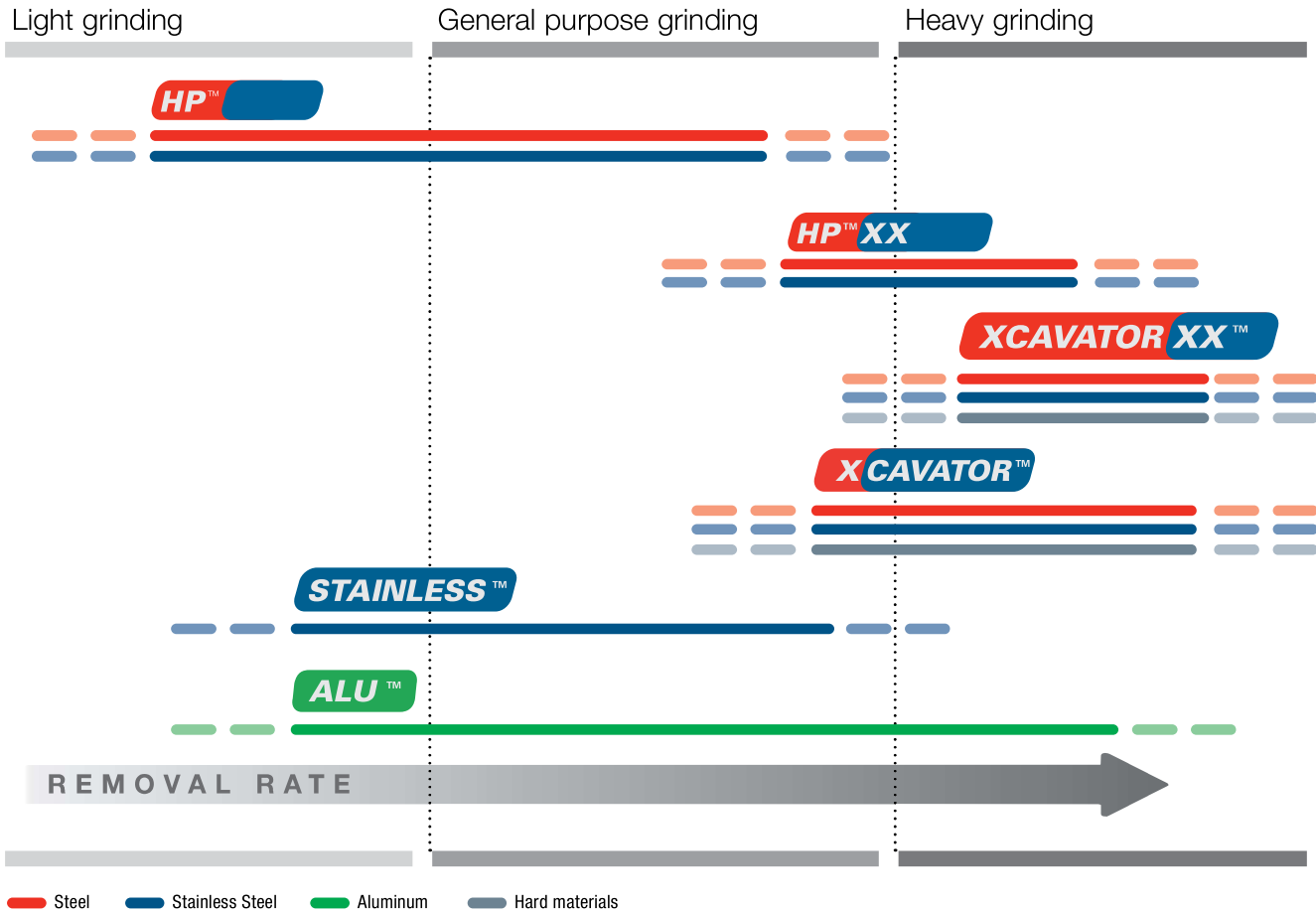
03

GRINDING



GRINDING PRODUCTS AT A GLANCE

RECOMMENDED BY TYPE OF USAGE



EXCLUSIVE TO WALTER

CONVENIENT AND SAFE!

SPIN-ON quick-change mounting

- Ultra resistant built-in threaded arbor for quick and easy disc changes while ensuring operator safety
- All the safety and comfort of using a wheel with a 5/8"-11 metal hub at just a fraction of the price



XCAVATOR XX™

Ultra-fast removal, stress-free

Walter's all-new Xcavator™ XX delivers premium performance so operators can remove more material faster in a comfortable grinding experience. Its unique ceramic grain blend delivers ultra-fast removal rates while reducing operator stress. Its durability and long life contribute to fewer wheel changeovers. The all-powerful Xcavator™ XX is the most productive wheel for heavy-duty grinding on steel and stainless steel. Work better. Work less.

NEW



1/8" TYPE 1



Fe-S-CI
<0.1%



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/8" | 7/8" | 08-X 452 | CA-24 | 13,300 | 10 | 40 |
| 5" | 1/8" | 7/8" | 08-X 502 | CA-24 | 12,250 | 10 | 40 |
| 6" | 1/8" | 7/8" | 08-X 602 | CA-24 | 10,200 | 10 | 40 |
| 7" | 1/8" | 7/8" | 08-X 702 | CA-24 | 8,600 | 10 | 40 |
| 9" | 1/8" | 7/8" | 08-X 902 | CA-24 | 6,650 | 10 | 40 |

ULTRA-FAST
REMOVAL RATE
ON THE TOUGHEST
METALS

1/4" TYPE 27S



Fe-S-CI
<0.1%



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/4" | 7/8" | 08-X 450 | CA-24 | 13,300 | 10 | 40 |
| 5" | 1/4" | 7/8" | 08-X 500 | CA-24 | 12,250 | 10 | 40 |
| 6" | 1/4" | 7/8" | 08-X 600 | CA-24 | 10,200 | 10 | 40 |
| 7" | 1/4" | 7/8" | 08-X 700 | CA-24 | 8,600 | 10 | 40 |
| 9" | 1/4" | 7/8" | 08-X 900 | CA-24 | 6,650 | 10 | 40 |

- ▶ *Ultra-fast removal rate*
- ▶ *Comfortable grinding experience that maximizes productivity*
- ▶ *Advanced design prevents edge flaking for better balance and safety*
- ▶ *Ferrous-free formulation (will not contaminate stainless steel)*









XCAVATOR™







High removal rate on steel, stainless steel and hard metals

Xcavator™ has been redesigned to incorporate the latest innovation in Type 27 depressed center grinding wheels. The new Comfort Max™ Technology in the hub of the wheel helps to minimize vibration, providing the operator with more comfortable, ergonomic work conditions without sacrificing productivity. Xcavator™ delivers premium performance, high removal rate in steel and stainless steel and can confront some of the industry's toughest metals, such as tungsten carbide and quenched and tempered steel. Eliminate bottlenecks in your production process and reduce the amount of time spent grinding with the new and improved Xcavator™ with Comfort Max™ Technology, exclusive to Walter Surface Technologies.



1/4" TYPE 27      

| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/4" | 3/8" | 08-P 460 | ZA-16 | 13,300 | 25 | 100 |
| 5" | 1/4" | 3/8" | 08-P 510 | ZA-16 | 12,200 | 25 | 100 |
| 6" | 1/4" | 3/8" | 08-P 600 | ZA-16 | 10,200 | 25 | 100 |
| 7" | 1/4" | 3/8" | 08-P 700 | ZA-16 | 8,600 | 25 | 50 |
| 9" | 1/4" | 3/8" | 08-P 900 | ZA-16 | 6,600 | 25 | 50 |

1/4" TYPE 27S  **SPIN-ON**     

| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|---------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/4" | 5/8"-11 | 08-P 450 | ZA-16 | 13,300 | 20 | 80 |
| 5" | 1/4" | 5/8"-11 | 08-P 500 | ZA-16 | 12,200 | 20 | 80 |

Always use with flange 30-B 057.

GUARANTEES

HIGH REMOVAL IN THE INDUSTRY'S TOUGHEST METALS

- ▷ *Comfort Max™ Technology provides a smoother, more comfortable grinding experience without sacrificing productivity*
- ▷ *Patented multi-layer technology*
- ▷ *Advanced design prevents edge flaking for better balance and added safety*
- ▷ *Optimal power transfer from operator to working surface*
- ▷ *Fe-Free formulation (guaranteed not to contaminate stainless steel)*



Video available at [The Walter Network](http://TheWalterNetwork.com)
www.youtube.com/user/TheWalterNetwork

NEW FORMULA!



HP™

High performance and exceptional comfort for everyday grinding

The new and improved HP™ has set new industry benchmarks in general purpose grinding on steel and stainless steel. With an abrasive grain formula engineered for greater hardness and wear resistance, HP™ wheels remove metal faster and with less effort to provide one of the best overall values in grinding.

SMOOTH GRINDING WITH AN AGGRESSIVE, CONTROLLED BITE

- ▶ High performance wheel that grinds off metal swiftly
- ▶ Smooth grinding with an aggressive, controlled bite
- ▶ Long wheel life



1/4" TYPE 27S **SPIN-ON**

| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|---------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/4" | 5/8"-11 | 08-B 450 | A-24 | 13,300 | 20 | 80 |
| 5" | 1/4" | 5/8"-11 | 08-B 500 | A-24 | 12,200 | 20 | 80 |
| 6" | 1/4" | 5/8"-11 | 08-B 630 | A-24 | 10,200 | 20 | 80 |

Always use 1/4" wheels with flange 30-B 057.

1/4" TYPE 28S **SPIN-ON**

| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|---------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/4" | 5/8"-11 | 08-B 451 | A-24 | 13,300 | 20 | 80 |
| 5" | 1/4" | 5/8"-11 | 08-B 501 | A-24 | 12,200 | 20 | 80 |

Always use 1/4" wheels with flange 30-B 057.

1/4" TYPE 27 **Steel**

| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 3" | 1/4" | 3/8" | 08-B 310 | A-24 | 20,000 | 25 | 100 |
| 4" | 1/4" | 3/8" | 08-B 410 | A-24 | 15,300 | 25 | 100 |
| 4" | 1/4" | 5/8" | 08-B 400 | A-24 | 15,300 | 25 | 100 |
| 4 1/2" | 1/4" | 7/8" | 08-B 460 | A-24 | 13,300 | 25 | 100 |
| 5" | 1/4" | 7/8" | 08-B 510 | A-24 | 12,200 | 25 | 100 |
| 6" | 1/4" | 7/8" | 08-B 600 | A-24 | 10,200 | 25 | 100 |
| 7" | 1/4" | 7/8" | 08-B 710 | A-24 | 8,600 | 25 | 50 |
| 9" | 1/4" | 7/8" | 08-B 910 | A-24 | 6,600 | 25 | 50 |

1/4" TYPE 28 **Steel Stainless**

| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|------|--------|-------|-----------|-------|----------|-----------|-----------|
| 7" | 1/4" | 7/8" | 08-B 701 | A-24 | 8,600 | 25 | 50 |
| 9" | 1/4" | 7/8" | 08-B 901 | A-24 | 6,600 | 25 | 50 |

GET DOUBLE THE LIFE OF YOUR HP WHEELS WHEN COMBINED WITH THE MINI PLUS!
See page 172.



HP COMBO™

High performance cutting and grinding; all in one wheel

These 1/8" wheels set new standards for performance in combined depressed center wheels (for portable angle grinders). They are specially reinforced to withstand the stress in off-hand cutting operations. Whether cutting, grooving, notching or light grinding, these wheels are guaranteed to give you the longest wheel life, fastest material removal and maximum safety.

1/8" TYPE 27S SPIN-ON



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|---------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/8" | 5/8"-11 | 08-B 452 | A-30 | 13,300 | 25 | 200 |
| 5" | 1/8" | 5/8"-11 | 08-B 502 | A-30 | 12,200 | 25 | 200 |
| 6" | 1/8" | 5/8"-11 | 08-B 630 | A-24 | 10,200 | 25 | 100 |

Always use 1/8" wheels with flange 30-B 057.

1/8" TYPE 27



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 3" | 1/8" | 3/8" | 08-B 312 | A-24 | 20,000 | 25 | 200 |
| 4" | 1/8" | 3/8" | 08-B 412 | A-24 | 15,300 | 25 | 200 |
| 4" | 1/8" | 5/8" | 08-B 402 | A-24 | 15,300 | 25 | 200 |
| 4 1/2" | 1/8" | 7/8" | 08-B 462 | A-30 | 13,300 | 25 | 200 |
| 5" | 1/8" | 7/8" | 08-B 512 | A-30 | 12,200 | 25 | 200 |
| 6" | 1/8" | 7/8" | 08-B 602 | A-30 | 10,200 | 25 | 100 |
| 7" | 1/8" | 7/8" | 08-B 712 | A-30 | 8,600 | 25 | 100 |
| 9" | 1/8" | 7/8" | 08-B 912 | A-30 | 6,600 | 25 | 100 |

NEW FORMULA!



IDEAL FOR BOTH CUTTING AND GRINDING WORK

- ▷ Hold its cutting edge longer to provide more cuts per wheel
- ▷ Designed for maximum operator safety



 YouTube

Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork



HP XX™

Premium grinding at the lowest overall cost

HP XX™ incorporates the latest advances in abrasive grain, bonding and manufacturing technology to substantially lower your total grinding costs. With the longest life in our grinding wheel lineup and extremely aggressive material removal, HP XX™ will allow you to achieve the lowest overall cost of grinding on steel.

- ▷ Our longest lasting grinding wheel
- ▷ Improved bonding technology and state-of-the-art manufacturing ensure a working life that is unsurpassed



Additional benefits of Spin-On

- ▷ Built-in threaded arbor ensures minimum vibration for maximum operator comfort
- ▷ No need for a pin key

1/8" TYPE 27



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/8" | 7/8" | 08-H 452 | A-24 | 13,300 | 25 | 200 |
| 5" | 1/8" | 7/8" | 08-H 502 | A-24 | 12,200 | 25 | 200 |
| 6" | 1/8" | 7/8" | 08-H 602 | A-24 | 10,200 | 25 | 200 |
| 7" | 1/8" | 7/8" | 08-H 702 | A-24 | 8,600 | 25 | 100 |
| 9" | 1/8" | 7/8" | 08-H 902 | A-24 | 6,600 | 25 | 100 |

1/4" TYPE 27S



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|---------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/4" | 5/8"-11 | 08-K 450 | A-20 | 13,300 | 20 | 80 |
| 5" | 1/4" | 5/8"-11 | 08-K 500 | A-20 | 12,200 | 20 | 80 |

Always use with flange 30-B 057 listed on page 159.

1/4" TYPE 27



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/4" | 7/8" | 08-H 450 | A-24 | 13,300 | 25 | 100 |
| 5" | 1/4" | 7/8" | 08-H 500 | A-24 | 12,200 | 25 | 100 |
| 6" | 1/4" | 7/8" | 08-H 600 | A-24 | 10,200 | 25 | 100 |
| 7" | 1/4" | 7/8" | 08-H 700 | A-24 | 8,600 | 25 | 50 |
| 9" | 1/4" | 7/8" | 08-H 900 | A-24 | 6,600 | 25 | 50 |

1/4" TYPE 28



| Dia. | Thick. | Arbor | Order No. | Grade | Max RPM | Std. Pkg. | Std. Ctn |
|------|--------|-------|-----------|----------|---------|-----------|----------|
| 7" | 1/4" | 7/8" | 08-K 701 | A-24-HPS | 8,600 | 25 | 50 |
| 9" | 1/4" | 7/8" | 08-K 901 | A-24-HPS | 6,600 | 25 | 50 |



GET DOUBLE THE LIFE OF YOUR HP XX WHEELS WHEN COMBINED WITH THE PRO 5 GRINDER!

See page 173

All 7" x 1/8", 7" x 1/4", 9" x 1/8" and 9" x 1/4" depressed center wheels are available with threaded hubs 5/8"-11 mounted.

Order numbers for mounted wheels are 5-numbers higher.

For example:

08-B 712 + 5 = 08-B 717 = 7" x 1/8" x 5/8"-11 A-30-COMBO cutting/grinding wheel.

Std. Pkg.: 10.



1/8" cutting and light grinding:

- ▷ High performance cutting and intermittent light grinding
- ▷ Maintain a superior cutting edge



1/4" grinding:

- ▷ Fast and easy changeover of wheel for minimum downtime
- ▷ High performance and superior control in the most demanding grinding applications





**WILL NOT
CONTAMINATE
STAINLESS STEEL**

- ▷ Fast and cool stock removal
- ▷ High performance and superior control in the most demanding grinding applications





STAINLESS™

Superior performance on stainless steel

When you need a wheel that is guaranteed not to contaminate stainless steel, this is the wheel for the job. These wheels do not contain any iron, sulfur or chlorine and are designed to hug the workpiece for controlled grinding and a smooth, high quality finish.





1/8" TYPE 27S  **SPIN-ON**   **Fe-S-Cl <0.1%** 

| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|---------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/8" | 5/8"-11 | 08-F 452 | A-30 | 13,300 | 25 | 100 |
| 5" | 1/8" | 5/8"-11 | 08-F 502 | A-30 | 12,200 | 25 | 100 |



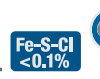

1/8" TYPE 27    **Fe-S-Cl <0.1%** 

| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/8" | 7/8" | 08-F 462 | A-30 | 13,300 | 25 | 200 |
| 5" | 1/8" | 7/8" | 08-F 512 | A-30 | 12,200 | 25 | 200 |
| 6" | 1/8" | 7/8" | 08-F 602 | A-30 | 10,200 | 25 | 100 |
| 7" | 1/8" | 7/8" | 08-F 702 | A-30 | 8,600 | 25 | 100 |
| 9" | 1/8" | 7/8" | 08-F 902 | A-30 | 6,600 | 25 | 100 |



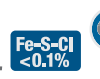

Always use 1/8" wheels with flange 30-B 057.

1/4" TYPE 27S  **SPIN-ON**   **Fe-S-Cl <0.1%** 

| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|---------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/4" | 5/8"-11 | 08-F 450 | A-30 | 13,300 | 20 | 80 |
| 5" | 1/4" | 5/8"-11 | 08-F 500 | A-30 | 12,200 | 20 | 80 |

1/4" TYPE 27    **Fe-S-Cl <0.1%** 

| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/4" | 7/8" | 08-F 460 | A-30 | 13,300 | 25 | 100 |
| 5" | 1/4" | 7/8" | 08-F 510 | A-30 | 12,200 | 25 | 100 |
| 6" | 1/4" | 7/8" | 08-F 600 | A-30 | 10,200 | 25 | 100 |
| 7" | 1/4" | 7/8" | 08-F 700 | A-30 | 8,600 | 25 | 50 |
| 9" | 1/4" | 7/8" | 08-F 900 | A-30 | 6,600 | 25 | 50 |

1/4" TYPE 28S  **SPIN-ON**   **Fe-S-Cl <0.1%** 

| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|---------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/4" | 5/8"-11 | 08-F 451 | A-30 | 13,300 | 10 | 80 |
| 5" | 1/4" | 5/8"-11 | 08-F 501 | A-30 | 12,200 | 10 | 80 |

Always use 1/4" wheels with flange 30-B 057.



NO CLOGGING IN ANY TYPE OF ALUMINUM

1/8" cutting and light grinding:

- ▷ Formulated for cutting but may also be used for intermittent light grinding
- ▷ Fast and free cutting

1/4" grinding:

- ▷ Fast removal rate and long wheel life
- ▷ Free of waxes and lubricants

ALU™

For use on aluminum and other soft metals

These wheels will not clog or glaze when working with aluminum or other non-ferrous metals. They are free of waxes and lubricants, so there is no need to clean the surface before welding or applying a surface coating, eliminating a time-consuming step in surface preparation.

1/8" TYPE 27



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/8" | 7/8" | 08-L 452 | A-24 | 13,300 | 25 | 200 |
| 5" | 1/8" | 7/8" | 08-L 502 | A-24 | 12,200 | 25 | 200 |
| 6" | 1/8" | 7/8" | 08-L 602 | A-24 | 10,200 | 25 | 100 |
| 7" | 1/8" | 7/8" | 08-L 702 | A-24 | 8,600 | 25 | 100 |
| 9" | 1/8" | 7/8" | 08-L 902 | A-24 | 6,600 | 25 | 100 |

1/4" TYPE 27



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/4" | 7/8" | 08-L 450 | A-24 | 13,300 | 25 | 100 |
| 5" | 1/4" | 7/8" | 08-L 500 | A-24 | 12,200 | 25 | 100 |
| 6" | 1/4" | 7/8" | 08-L 600 | A-24 | 10,200 | 25 | 100 |
| 7" | 1/4" | 7/8" | 08-L 700 | A-24 | 8,600 | 25 | 50 |
| 9" | 1/4" | 7/8" | 08-L 900 | A-24 | 6,600 | 25 | 50 |



- ▷ Fast and free cutting
- ▷ Formulated for cutting but may also be used for intermittent light grinding
- ▷ Excellent control in demanding applications
- ▷ Extra hard silicon carbide grain for fast material removal and long wheel life
- ▷ Superior performance in hard facing and cast iron

CONCRETE™

High performance grinding and cutting

These wheels have multiple high strength reinforcements and durable bond for extra safety in tough grinding and cutting applications. They are designed for fast material removal and smooth grinding and cutting of concrete, masonry, stone and other similar building materials.

1/8" TYPE 27



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/8" | 7/8" | 08-D 452 | C-24 | 13,300 | 25 | 200 |
| 5" | 1/8" | 7/8" | 08-D 502 | C-24 | 12,200 | 25 | 200 |
| 7" | 1/8" | 7/8" | 08-D 702 | C-24 | 8,600 | 25 | 100 |

1/4" TYPE 27



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/4" | 7/8" | 08-E 450 | C-24 | 13,300 | 25 | 100 |
| 5" | 1/4" | 7/8" | 08-E 500 | C-24 | 12,200 | 25 | 100 |
| 7" | 1/4" | 7/8" | 08-E 700 | C-24 | 8,600 | 25 | 50 |



- ▷ Thin for fast and free cutting and grooving
- ▷ Can also be used for cutting sheet metal

- ▷ Ideal for use with low power angle grinders
- ▷ Grind joint welds with ease
- ▷ Can be used for intermittent light grinding, facing and bevelling work

- ▷ Formulated for light grinding, cutting and notching



PIPEFITTER™

Designed for premium performance in pipeline construction

These wheels are specially formulated and reinforced for grinding the root pass and joint welds between passes in pipeline construction and pipe fabrication. They do not contain iron, sulfur or chlorine (Fe, S, Cl) and are guaranteed not to contaminate stainless steel.

3/32" TYPE 27



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 3/32" | 7/8" | 08-N 453 | A-36 | 13,300 | 25 | 200 |
| 5" | 3/32" | 7/8" | 08-N 503 | A-36 | 12,200 | 25 | 200 |
| 6" | 3/32" | 7/8" | 08-N 603 | A-36 | 10,200 | 25 | 100 |
| 7" | 3/32" | 7/8" | 08-N 703 | A-36 | 8,600 | 25 | 100 |

1/8" TYPE 27



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/8" | 7/8" | 08-N 452 | A-36 | 13,300 | 25 | 200 |
| 5" | 1/8" | 7/8" | 08-N 502 | A-36 | 12,200 | 25 | 200 |
| 6" | 1/8" | 7/8" | 08-N 602 | A-24 | 10,200 | 25 | 100 |
| 7" | 1/8" | 7/8" | 08-N 702 | A-24 | 8,600 | 25 | 100 |

5/32" TYPE 27



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 5/32" | 7/8" | 08-N 454 | A-36 | 13,300 | 25 | 200 |
| 5" | 5/32" | 7/8" | 08-N 504 | A-36 | 12,200 | 25 | 200 |
| 6" | 5/32" | 7/8" | 08-N 604 | A-20 | 10,200 | 25 | 100 |
| 7" | 5/32" | 7/8" | 08-N 704 | A-20 | 8,600 | 25 | 100 |
| 9" | 5/32" | 7/8" | 08-N 904 | A-20 | 6,600 | 25 | 100 |

TYPE 27S SPIN-ON



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|------|--------|---------|-----------|-------|----------|-----------|-----------|
| 5" | 3/32" | 5/8"-11 | 08-N 533 | A-36 | 12,200 | 25 | 200 |
| 6" | 3/32" | 5/8"-11 | 08-N 633 | A-36 | 10,200 | 25 | 100 |
| 6" | 5/32" | 5/8"-11 | 08-N 634 | A-20 | 10,200 | 25 | 100 |

Always use with flange 30-B 057.

HP CUP WHEELS

Walter HP Cup Wheels are designed for rough grinding or snagging work. Each wheel has a deeply anchored wrap-around steel hub for maximum safety and long life. A $\frac{5}{8}$ "-11 threaded arbor for SPIN-ON mounting reduces downtime for wheel changes and helps you finish your toughest grinding jobs faster.

TYPE 11



| Dia. | Arbor | Grit | Order No. | Max. RPM | Std. Pkg. | Std. Ctn. |
|------|--------------------|------|-----------|----------|-----------|-----------|
| 4" | $\frac{5}{8}$ "-11 | A-16 | 12-A 004 | 9,100 | 1 | 10 |
| 5" | $\frac{5}{8}$ "-11 | A-16 | 12-A 005 | 7,260 | 1 | 10 |
| 6" | $\frac{5}{8}$ "-11 | A-16 | 12-A 006 | 6,050 | 1 | 10 |



TYPE 11



| Dia. | Arbor | Grit | Order No. | Max. RPM | Std. Pkg. | Std. Ctn. |
|------|--------------------|------|-----------|----------|-----------|-----------|
| 4" | $\frac{5}{8}$ "-11 | C-16 | 12-B 004 | 9,100 | 1 | 10 |
| 5" | $\frac{5}{8}$ "-11 | C-16 | 12-B 005 | 7,260 | 1 | 10 |
| 6" | $\frac{5}{8}$ "-11 | C-16 | 12-B 006 | 6,050 | 1 | 10 |

- ▷ For heavy-duty grinding
- ▷ Excellent wheel life
- ▷ Engineered for maximum operator safety

PLUGS AND CONES

Very popular in foundries, steel mills and fabricating shops for heavy stock removal in hard to reach areas. Each abrasive has an internal threaded arbor for direct mounting.



| Shape | Dia. | Lenght | Arbor | Grit | Order No. | Max. RPM | Std. Pkg. | Std. Ctn. |
|-------|------|--------|--------|--------------------|---------------|----------|-----------|-----------|
| ■ | 16 | 1 1/2" | 2 1/2" | $\frac{3}{8}$ "-24 | ZA16 12-C 101 | 24,200 | 1 | 10 |
| | 16 | 1 1/2" | 3" | $\frac{5}{8}$ "-11 | ZA16 12-C 111 | 24,200 | 1 | 10 |
| | 16 | 2" | 3" | $\frac{5}{8}$ "-11 | ZA16 12-C 121 | 18,100 | 1 | 10 |
| ■ | 17 | 1 1/2" | 3" | $\frac{5}{8}$ "-11 | ZA16 12-C 401 | 24,200 | 1 | 10 |
| | 17 | 2" | 4" | $\frac{5}{8}$ "-11 | ZA16 12-C 421 | 18,100 | 1 | 10 |
| ■ | 18 | 1" | 2" | $\frac{3}{8}$ "-24 | ZA16 12-C 301 | 36,200 | 1 | 10 |
| | 18 | 1 1/2" | 3" | $\frac{5}{8}$ "-11 | ZA16 12-C 311 | 24,200 | 1 | 10 |
| | 18 | 2" | 3" | $\frac{5}{8}$ "-11 | ZA16 12-C 321 | 18,100 | 1 | 10 |
| ■ | 18R | 1 1/2" | 3" | $\frac{5}{8}$ "-11 | ZA16 12-C 201 | 24,200 | 1 | 10 |
| | 18R | 2" | 3" | $\frac{5}{8}$ "-11 | ZA16 12-C 211 | 18,100 | 1 | 10 |
| | 18R | 3" | 4" | $\frac{5}{8}$ "-11 | ZA16 12-C 221 | 12,100 | 1 | 10 |



- ▷ For grinding, shaping, cleaning, blending and deburring of internal and external contours
- ▷ Fast material removal, long life



- ▷ For fitting, shaping, enlarging holes and finishing work in confined spaces
- ▷ For use on die grinders, point grinders, flexible shaft machines, etc.
- ▷ A complete line to address all your specific needs
- ▷ Faster removal AND longer lasting



MOUNTED POINTS

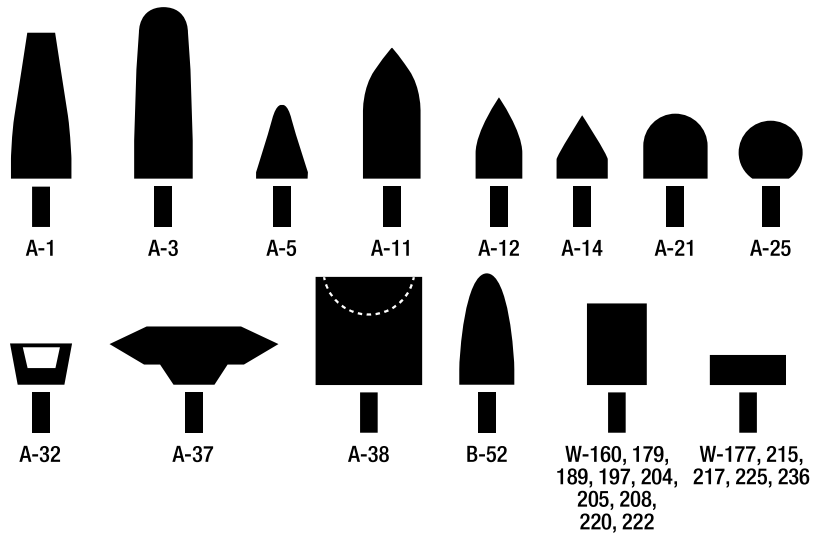
Versatile tools for fitting, shaping and enlarging holes

These mounted points are ideal for finishing work in confined spaces. They are made from the finest grade of abrasive grains, and each is perfectly balanced to minimize vibration.

Blue-grey for mild steel and cast iron

Orange for tool and high tensile steel

Resin bond for stainless steel



BLUE-GREY

| Type | Dia. | Lenght | Shaft | Order No. | Grit | Max. RPM | Std. Pkg. | Std. Ctn. |
|-------|---------|--------|-------|-----------|------|----------|-----------|-----------|
| A-1 | 3/4" | 2 1/2" | 1/4" | 12-D 002 | A36 | 19,800 | 1 | 10 |
| A-3 | 1" | 2 3/4" | 1/4" | 12-D 012 | A36 | 16,100 | 1 | 10 |
| A-5 | 3/4" | 1 1/8" | 1/4" | 12-D 022 | A36 | 45,000 | 1 | 10 |
| A-11 | 7/8" | 2" | 1/4" | 12-D 032 | A36 | 19,800 | 1 | 10 |
| A-12 | 1 1/16" | 1 1/4" | 1/4" | 12-D 037 | A36 | 48,000 | 1 | 10 |
| A-14 | 1 1/16" | 7/8" | 1/4" | 12-D 047 | A36 | 48,000 | 1 | 10 |
| A-21 | 1" | 1" | 1/4" | 12-D 057 | A36 | 34,500 | 1 | 10 |
| A-25 | 1" | 1" | 1/4" | 12-D 077 | A36 | 35,600 | 1 | 10 |
| A-32 | 1" | 5/8" | 1/4" | 12-D 092 | A36 | 38,200 | 1 | 10 |
| A-38 | 1" | 1" | 1/4" | 12-D 122 | A36 | 34,500 | 1 | 10 |
| B-52 | 3/8" | 3/4" | 1/8" | 12-D 232 | A36 | 45,370 | 1 | 10 |
| B-52 | 3/8" | 3/4" | 1/4" | 12-D 242 | A36 | 45,370 | 1 | 10 |
| W-179 | 3/8" | 1 1/4" | 1/4" | 12-D 592 | A36 | 45,750 | 1 | 10 |
| W-197 | 3/8" | 2" | 1/4" | 12-D 677 | A36 | 21,000 | 1 | 10 |
| W-205 | 3/4" | 1" | 1/4" | 12-D 722 | A36 | 34,500 | 1 | 10 |
| W-217 | 1" | 3/8" | 1/4" | 12-D 782 | A36 | 38,200 | 1 | 10 |
| W-220 | 1" | 1" | 1/4" | 12-D 797 | A36 | 25,500 | 1 | 10 |
| W-222 | 1" | 2" | 1/4" | 12-D 807 | A36 | 15,900 | 1 | 10 |
| W-225 | 1 1/4" | 1/4" | 1/4" | 12-D 822 | A36 | 30,560 | 1 | 10 |



Tech tip!

Use dressing stones to extend product life and allow mounted points or bench grinding wheels to cut faster and produce a better surface finish.

**ORANGE**

| Type | Dia. | Lenght | Shaft | Order No. | Grit | Max. RPM | Std. Pkg. | Std. Ctn. |
|-------|------|--------|-------|-----------|------|----------|-----------|-----------|
| A-1 | ¾" | 2 ½" | ¼" | 12-D 001 | A60 | 19,800 | 1 | 10 |
| A-3 | 1" | 2 ¾" | ¼" | 12-D 011 | A60 | 16,100 | 1 | 10 |
| A-5 | ¾" | 1 ⅝" | ¼" | 12-D 021 | A60 | 45,000 | 1 | 10 |
| A-11 | ⅞" | 2" | ¼" | 12-D 031 | A60 | 19,800 | 1 | 10 |
| A-12 | 1 ⅛" | 1 ¼" | ¼" | 12-D 036 | A60 | 48,000 | 1 | 10 |
| A-14 | 1 ⅛" | ⅞" | ¼" | 12-D 046 | A60 | 48,000 | 1 | 10 |
| A-21 | 1" | 1" | ¼" | 12-D 056 | A60 | 34,500 | 1 | 10 |
| A-25 | 1" | 1" | ¼" | 12-D 076 | A60 | 35,600 | 1 | 10 |
| A-32 | 1" | ⅝" | ¼" | 12-D 091 | A60 | 38,200 | 1 | 10 |
| A-37 | 1 ¼" | ¼" | ¼" | 12-D 116 | A60 | 30,560 | 1 | 10 |
| A-38 | 1" | 1" | ¼" | 12-D 121 | A60 | 34,500 | 1 | 10 |
| W-179 | ⅝" | 1 ¼" | ¼" | 12-D 591 | A60 | 45,750 | 1 | 10 |
| W-197 | ⅝" | 2" | ¼" | 12-D 676 | A60 | 21,000 | 1 | 10 |
| W-205 | ¾" | 1" | ¼" | 12-D 721 | A60 | 34,500 | 1 | 10 |
| W-217 | 1" | ⅝" | ¼" | 12-D 781 | A60 | 38,200 | 1 | 10 |
| W-220 | 1" | 1" | ¼" | 12-D 796 | A60 | 25,500 | 1 | 10 |
| W-222 | 1" | 2" | ¼" | 12-D 806 | A60 | 15,900 | 1 | 10 |
| W-225 | 1 ¼" | ¼" | ¼" | 12-D 821 | A60 | 30,560 | 1 | 10 |

Accessories**Dressing stones**

| Dimensions | Order No. | Std. Pkg. | Std. Ctn. |
|--------------|-----------|-----------|-----------|
| 1" x 1" x 6" | 12-D 900 | 1 | 10 |
| 1" x 1" x 8" | 12-D 901 | 1 | 10 |

* Max. RPM listed are for ½" free shaft.

**RESIN BOND**

| Type | Dia. | Lenght | Shaft | Order No. | Grit | Max. RPM | Std. Pkg. | Std. Ctn. |
|-------|------|--------|-------|-----------|------|----------|-----------|-----------|
| A-1 | ¾" | 2 ½" | ¼" | 12-D 003 | A36 | 19,800 | 1 | 10 |
| A-3 | 1" | 2 ¾" | ¼" | 12-D 013 | A36 | 16,100 | 1 | 10 |
| A-5 | ¾" | 1 ⅝" | ¼" | 12-D 023 | A36 | 45,000 | 1 | 10 |
| A-11 | ⅞" | 2" | ¼" | 12-D 033 | A36 | 19,800 | 1 | 10 |
| A-12 | 1 ⅛" | 1 ¼" | ¼" | 12-D 038 | A36 | 48,000 | 1 | 10 |
| A-21 | 1" | 1" | ¼" | 12-D 058 | A36 | 34,500 | 1 | 10 |
| A-25 | 1" | 1" | ¼" | 12-D 078 | A36 | 35,600 | 1 | 10 |
| W-179 | ⅝" | 1 ¼" | ¼" | 12-D 593 | A36 | 45,750 | 1 | 10 |
| W-197 | ⅝" | 2" | ¼" | 12-D 678 | A36 | 21,000 | 1 | 10 |
| W-205 | ¾" | 1" | ¼" | 12-D 723 | A36 | 34,500 | 1 | 10 |
| W-217 | 1" | ⅝" | ¼" | 12-D 783 | A36 | 38,200 | 1 | 10 |
| W-220 | 1" | 1" | ¼" | 12-D 798 | A36 | 25,500 | 1 | 10 |
| W-222 | 1" | 2" | ¼" | 12-D 808 | A36 | 15,900 | 1 | 10 |

BENCH GRINDING WHEELS

Long lasting and dependable, our bench grinding wheels are perfect for general purpose sharpening, shaping or deburring on bench and pedestal grinders. All wheels are supplied with nested reducer bushings to fit on 1", $\frac{3}{4}$ ", $\frac{5}{8}$ " and $\frac{1}{2}$ " shafts.

TYPE 1



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|------|-------------------|-------|-----------|-----------|----------|-----------|-----------|
| 6" | $\frac{3}{4}$ " | 1" | 12-E 324 | 36 coarse | 4,100 | 1 | 1 |
| 6" | $\frac{3}{4}$ " | 1" | 12-E 325 | 46 medium | 4,100 | 1 | 1 |
| 6" | $\frac{3}{4}$ " | 1" | 12-E 328 | 80 fine | 4,100 | 1 | 1 |
| 6" | 1" | 1" | 12-E 344 | 36 coarse | 4,100 | 1 | 1 |
| 6" | 1" | 1" | 12-E 345 | 46 medium | 4,100 | 1 | 1 |
| 6" | 1" | 1" | 12-E 348 | 80 fine | 4,100 | 1 | 1 |
| 7" | 1" | 1" | 12-E 444 | 36 coarse | 3,600 | 1 | 1 |
| 7" | 1" | 1" | 12-E 447 | 60 fine | 3,600 | 1 | 1 |
| 8" | $\frac{7}{8}$ " | 1" | 12-E 533 | 24 coarse | 3,600 | 1 | 1 |
| 8" | $\frac{7}{8}$ " | 1" | 12-E 537 | 60 fine | 3,600 | 1 | 1 |
| 8" | 1" | 1" | 12-E 543 | 24 coarse | 3,600 | 1 | 1 |
| 8" | 1" | 1" | 12-E 545 | 46 medium | 3,600 | 1 | 1 |
| 8" | 1" | 1" | 12-E 547 | 60 fine | 3,600 | 1 | 1 |
| 8" | 1 $\frac{1}{4}$ " | 1" | 12-E 553 | 24 coarse | 3,600 | 1 | 1 |
| 8" | 1 $\frac{1}{4}$ " | 1" | 12-E 557 | 60 fine | 3,600 | 1 | 1 |
| 10" | 1" | 1" | 12-E 643 | 24 coarse | 2,500 | 1 | 1 |
| 10" | 1" | 1" | 12-E 647 | 60 fine | 2,500 | 1 | 1 |
| 10" | 1 $\frac{1}{4}$ " | 1" | 12-E 657 | 60 fine | 2,500 | 1 | 1 |

TYPE 1



| Dia. | Thick. | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|------|-----------------|-------|-----------|---------|----------|-----------|-----------|
| 6" | $\frac{3}{4}$ " | 1" | 12-E 329 | 80 fine | 4,100 | 1 | 1 |
| 7" | 1" | 1" | 12-E 449 | 80 fine | 3,600 | 1 | 1 |
| 8" | 1" | 1" | 12-E 549 | 80 fine | 3,600 | 1 | 1 |
| 10" | 1" | 1" | 12-E 649 | 80 fine | 2,500 | 1 | 1 |



Accessories

Reducer bushings

Order No.

| | |
|---|----------|
| Set $\frac{3}{4}$ " wide, from 1" to $\frac{3}{4}$ ", $\frac{5}{8}$ " and $\frac{1}{2}$ " | 12-E 006 |
| Set 1" wide, from 1" to $\frac{3}{4}$ ", $\frac{5}{8}$ " and $\frac{1}{2}$ " | 12-E 007 |
| Pair of bushings from 1" to $\frac{7}{8}$ " | 12-E 008 |

Wheel dressers

Order No.

| | |
|---------------|----------|
| Standard type | 12-E 001 |
| Heavy-duty | 12-E 002 |

Replacement wheels

Order No.

| | |
|------------------|----------|
| Set for 12-E 001 | 12-E 004 |
| Set for 12-E 002 | 12-E 005 |