



# 2025-2026 CATALOG

# CATALOG INDEX



## GRINDING WHEELS . . . . . 6

|                                                                              |       |
|------------------------------------------------------------------------------|-------|
| 1/4" GRINDING WHEELS: TYPE 27 . . . . .                                      | 8-12  |
| 1/4" GRINDING WHEELS: TYPE 28 . . . . .                                      | 13    |
| FLEXIBLE GRINDING / BLENDING & AGGRESSIVE GRINDING WHEELS: TYPE 29 . . . . . | 14-15 |
| 1/8" PIPELINE WHEELS . . . . .                                               | 16-17 |
| CUP STONES . . . . .                                                         | 18    |
| DIAMOND CUP WHEELS . . . . .                                                 | 19    |
| MOUNTED POINTS . . . . .                                                     | 20    |
| CONES & PLUGS . . . . .                                                      | 21    |
| BENCH WHEELS . . . . .                                                       | 22    |
| HAND & FLOOR RUBS . . . . .                                                  | 23    |
| COTTON FIBER . . . . .                                                       | 24-25 |



## DIFFERENCE

**LONGER LASTING PERFORMANCE** Unlike many abrasive manufacturers, we only use premium grains, and we never use inferior fillers or bonding agents. With durable abrasives that continue to perform over time, you can avoid frequent re-orders and costly downtime.

**UNMATCHED SAFETY** The manufacturing process, from start to finish, incorporates state-of-the-art equipment, quality control analysis and compliance, and rigorous product evaluation to ensure our customers receive the safest, most consistent and best performing wheels on the market.

**HIGHEST QUALITY** We use premium materials and advanced manufacturing techniques to ensure our abrasives last longer and perform better, providing superior quality across our entire product range.

**MANUFACTURED WITH EXCELLENCE** Whether it's our wide range of abrasive products manufactured with advanced equipment and rigorous testing in Connecticut and Florida, or our coated abrasives crafted with precision in Italy, United Abrasives provides exceptional performance and reliability.

**SAME DAY SHIPPING** At United Abrasives, every order is treated as a rush order. Our streamlined operation ensures your products go from order - phone, EDI, or email - to delivery truck in minutes.



## CUTTING WHEELS . . . . . 26

|                                                      |       |
|------------------------------------------------------|-------|
| HOW TO PICK A CUTTING WHEEL . . . . .                | 28-29 |
| .045" CUTTING WHEELS . . . . .                       | 30-33 |
| .090" CUTTING & NOTCHING WHEELS . . . . .            | 34-35 |
| .095" ULTIMATE COMBO WHEELS . . . . .                | 36    |
| 3/32" & 1/8" CUTTING WHEELS . . . . .                | 37-38 |
| TOOL ROOM . . . . .                                  | 39    |
| THIN HIGH SPEED CUT-OFF . . . . .                    | 40-41 |
| SMALL DIAMETER PORTABLE SAW CUT-OFF WHEELS . . . . . | 42    |
| DIAMETER CUTTING WHEELS . . . . .                    | 43-49 |
| CHOP SAW WHEELS . . . . .                            | 44-45 |
| PORTABLE SAW WHEELS . . . . .                        | 46-48 |
| STREET SAW WHEELS . . . . .                          | 49    |
| STATIONARY SAW WHEELS . . . . .                      | 49    |
| METAL-CUTTING CARBIDE BLADES . . . . .               | 50-53 |
| DIAMOND BLADES . . . . .                             | 54-55 |







## COATED ABRASIVES . . . . . 56

|                                                     |         |
|-----------------------------------------------------|---------|
| TECHNICAL INFORMATION . . . . .                     | 58-59   |
| FLAP DISCS . . . . .                                | 60-69   |
| FLAP DISCS - FIBERGLASS BACKING . .                 | 62-63   |
| FLAP DISCS - PLASTIC BACKING . . . .                | 64-65   |
| FLAP DISCS - TRIMMABLE<br>PLASTIC BACKING . . . . . | 66-67   |
| FLAP DISCS - SPECIALTY . . . . .                    | 68-69   |
| FLAP WHEELS - SMALL DIAMETER . . . .                | 70      |
| FLAP WHEELS - LARGE DIAMETER . . . .                | 71      |
| FIBER DISCS . . . . .                               | 72-77   |
| FIBER DISCS - ALUMINUM OXIDE . . . . .              | 74      |
| FIBER DISCS - ZIRCONIUM . . . . .                   | 75      |
| FIBER DISCS - CERAMIC . . . . .                     | 76-77   |
| FIBER DISCS - SILICON CARBIDE . . . . .             | 77      |
| STOCK BELTS . . . . .                               | 78-83   |
| PAPER DISCS . . . . .                               | 84-86   |
| CLOTH DISCS . . . . .                               | 87      |
| LAMINATED DISCS . . . . .                           | 88-89   |
| PAPER SHEETS . . . . .                              | 90-91   |
| CLOTH SHEETS . . . . .                              | 92      |
| DRYWALL . . . . .                                   | 93      |
| FILE BOARD SHEETS & SPONGES . . . . .               | 94      |
| SHOP ROLLS . . . . .                                | 95      |
| SPECIALTY SHOP ROLLS . . . . .                      | 96      |
| FLOOR SANDING . . . . .                             | 97-99   |
| CARTRIDGE ROLLS . . . . .                           | 100-101 |
| SPIRAL BANDS . . . . .                              | 102     |
| CROSS & SQUARE PADS . . . . .                       | 103     |

## NON-WOVEN ABRASIVES . . . . . 104

|                                                     |     |
|-----------------------------------------------------|-----|
| NON-WOVEN HAND PADS . . . . .                       | 106 |
| NON-WOVEN BELTS . . . . .                           | 107 |
| DEBURRING & CLEANING DISCS . . . . .                | 108 |
| SAND-LIGHT™ BLENDING DISCS . . . . .                | 109 |
| FLAP BRUSHES &<br>LINEAR POLISHING WHEELS . . . . . | 110 |
| FLAP WHEELS & INTERLEAF WHEELS . .                  | 111 |
| INTERLEAF & NON-WOVEN<br>FLAP DISCS . . . . .       | 112 |
| SAIT-STRIP™ . . . . .                               | 113 |
| UNITIZED WHEELS & DISCS . . . . .                   | 114 |
| CONVOLUTE WHEELS & BUFFING ITEMS . .                | 115 |

## WIRE BRUSHES . . . . . 116

|                                              |         |
|----------------------------------------------|---------|
| TECHNICAL INFORMATION . . . . .              | 116     |
| BENCH WIRE WHEELS &<br>CUP BRUSHES . . . . . | 118-119 |
| WIRE WHEELS &<br>PIPELINE BRUSHES . . . . .  | 120-121 |
| JOINT BRUSHES & END BRUSHES . . . .          | 122     |
| HAND BRUSHES . . . . .                       | 123     |
| NYLON BRUSHES . . . . .                      | 124     |

## CARBIDE BURS . . . . . 125-127

## ACCESSORIES . . . . . 128-136

## TECHNICAL INFO & SAFETY GUIDE . . . . . 137-143

## INDEX BY PART NUMBER . . . . 144-145

## COMPANY TIMELINE . . . . . 146-147



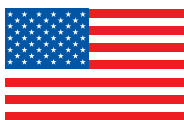
# WHO WE ARE

## OUR STORY

Since its founding in 1970, United Abrasives/SAIT has been synonymous with quality, reliability, innovation and value. We continue as a leader in the abrasives industry with products that set new standards of excellence. We're proud of our reputation, and dedicated to continually testing, designing and improving our products to ensure quality and maximum function.

United Abrasives is a privately held company. Our relationship with SAIT, an Italian corporation founded in 1953, began as we first manufactured coated abrasive belts. By 1975 we had expanded our production to include bonded abrasives. The strong commitment between United Abrasives and SAIT continues today.

Staying true to our core values during our fifty years in business has helped us create a company we're proud to run and work for. Our focus remains on making the best abrasive products possible.



**Manufacturing Headquarters: North Windham, CT**



## PRODUCT WARRANTY

United Abrasives, Inc. warrants that all industrial products it manufactures will be as represented in its catalog and will be free from defects in material and workmanship under normal use for which the product was intended if, but only if, it has been properly stored and used. Our obligation under this Warranty shall be limited to either the exchange of any product proven to be defective under normal use or to refund the purchase price thereof, at our option, within six months from the date of purchase by the original purchaser. The term "original purchaser", as used in this Warranty, shall be deemed to mean that person or company to whom the product was originally sold. This remedy is purchaser's exclusive remedy against United Abrasives, Inc. for any damages to either person or property caused by any defect or other failure in the product. Said refund or exchange shall constitute a fulfillment of any and all liabilities of United Abrasives, Inc. with respect to the quality of the product sold by it.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE AND OF ALL OTHER OBLIGATIONS OR LIABILITIES ON OUR PART, AND WE NEITHER

ASSUME NOR AUTHORIZE ANY OTHER PERSON TO ASSUME FOR US, ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF OUR PRODUCTS. THIS WARRANTY SHALL NOT APPLY TO ANY PRODUCT SOLD BY US WHICH HAS BEEN SUBJECT TO ACCIDENT, NEGLIGENCE, ALTERATION, ABUSE, OR MISUSE. WE MAKE NO WARRANTY WITH RESPECT TO ACCESSORIES OR PARTS EMPLOYED BY THE USER WITH OUR PRODUCT WHICH WERE NOT SUPPLIED BY UNITED ABRASIVES, INC. UNDER NO CIRCUMSTANCES IS UNITED ABRASIVES, INC. LIABLE FOR ANY DIRECT INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS) IN ANY WAY RELATING TO THE PRODUCTS SOLD BY UNITED ABRASIVES, INC.

All products listed in this catalog must be used in accordance with the safety regulations set by OSHA, by the directive described by the American National Safety Institute B7.1 ("Safety Requirements for the Use, Care and Protection of Abrasive Wheels") and by the American Brush Manufacturers Association. The user of any United Abrasives, Inc. product should be thoroughly familiar with the above safety rules and regulations before use of the product.



# WHEEL LABELS

The following is an example of a label that can be found on United Abrasives' wheels. We feel it is important to include as much information as possible on our labels so the end user has the pertinent information needed to operate the wheel. All of our labels are baked on the wheels during the manufacturing process so the label remains intact throughout the life of the wheel.

## WHEEL LABEL COLOR CODING

|                 |
|-----------------|
| METAL           |
| STAINLESS STEEL |
| ALUMINUM        |
| CONCRETE        |



## UPDATED LABEL



# GRINDING WHEELS INDEX

|                                         |           |                                                             |           |                                         |           |
|-----------------------------------------|-----------|-------------------------------------------------------------|-----------|-----------------------------------------|-----------|
| <b>TYPE 27 1/4" WHEELS . . . . .</b>    | <b>8</b>  | <b>TYPE 29 FLEXIBLE GRINDING/ BLENDING WHEELS . . . . .</b> | <b>14</b> | <b>DIAMOND CUP WHEELS . . . . .</b>     | <b>19</b> |
| A24N . . . . .                          | 8         | CHALLENGER II™ . . . . .                                    | 14        | DIAMOND CUP WHEELS . . . . .            | 19        |
| A24R . . . . .                          | 8         | CHALLENGER 3™ . . . . .                                     | 14        | <b>MOUNTED POINTS . . . . .</b>         | <b>20</b> |
| A24T . . . . .                          | 8         | CHALLENGER 3™ CERAMIC . . . . .                             | 14        | A36Q - RESIN BONDED . . . . .           | 20        |
| SAIT Z-TECH™ - Z24R . . . . .           | 8         | <b>TYPE 29 AGGRESSIVE GRINDING . . . . .</b>                | <b>15</b> | A60R - VITRIFIED . . . . .              | 20        |
| THE ULTIMATE GRIND CERAMIC™ . . . . .   | 10        | SAITRON® **NEW** . . . . .                                  | 15        | <b>CONES &amp; PLUGS . . . . .</b>      | <b>21</b> |
| THE ULTIMATE GRIND™ . . . . .           | 10        | <b>1/8" PIPELINE WHEELS . . . . .</b>                       | <b>16</b> | <b>BENCH WHEELS . . . . .</b>           | <b>22</b> |
| SAITECH ATTACKER® . . . . .             | 10        | A24R PIPELINE . . . . .                                     | 16        | ALUMINUM OXIDE . . . . .                | 22        |
| SAITECH ULTIMATE PERFORMANCE™ . . . . . | 10        | SAIT Z-TECH™ . . . . .                                      | 16        | GREEN SILICON CARBIDE . . . . .         | 22        |
| XA24Q . . . . .                         | 12        | SAITECH™ PIPELINE . . . . .                                 | 16        | <b>HAND &amp; FLOOR RUBS . . . . .</b>  | <b>23</b> |
| A46N - ALUMINUM . . . . .               | 12        | THE ULTIMATE PIPELINE™ . . . . .                            | 16        | HAND & FLOOR RUBS . . . . .             | 23        |
| C24N . . . . .                          | 12        | THE ULTIMATE PIPELINE™ CERAMIC . . . . .                    | 17        | WOOD WEDGES . . . . .                   | 23        |
| <b>TYPE 28 1/4" WHEELS . . . . .</b>    | <b>13</b> | <b>CUP STONES . . . . .</b>                                 | <b>18</b> | <b>COTTON FIBER . . . . .</b>           | <b>24</b> |
| A24N . . . . .                          | 13        | A16 - GENERAL PURPOSE CUP STONES . . . . .                  | 18        | COTTON FIBER WHEELS . . . . .           | 24        |
| A24R . . . . .                          | 13        | Z16 - ZIRCONIUM CUP STONES . . . . .                        | 18        | COTTON FIBER MOUNTED POINTS . . . . .   | 24        |
| SAITECH ULTIMATE PERFORMANCE™ . . . . . | 13        | C16 - CONCRETE CUP STONES . . . . .                         | 18        | COTTON FIBER FINISHING DISCS . . . . .  | 25        |
|                                         |           | CA16 - COMBINATION CUP STONES . . . . .                     | 18        | COTTON FIBER DEBURRING WHEELS . . . . . | 25        |





# GRINDING WHEELS





# TYPE 27 1/4" WHEELS



## FAST GRINDING

### A24N

- Aluminum oxide grain
- Soft bond for **fast stock removal**

**METAL** Ferrous metals (iron, steel, welds, etc.)

**STAINLESS** Low grade stainless steel



## LONG LIFE

### A24R

- Aluminum oxide grain - our most popular wheel
- For general purpose grinding
- **Longer life** for fewer wheel changes

**METAL** Ferrous metals (iron, steel, welds, etc.)



## TOUGH GRIND

### A24T

- Aluminum oxide grain
- Hard bond designed for **edge and bevel grinding** and other applications where a harder wheel is preferred
- **Longer life** for fewer wheel changes

**METAL** Ferrous metals (iron, steel, welds, etc.)



## HIGH PERFORMANCE

### SAIT Z-TECH™ - Z24R

- Tough zirconium grain
- **High performance grinding for the toughest applications**

**METAL** Ferrous metals (iron, steel, welds, etc.)

**STAINLESS** Stainless steel, high tensile alloys

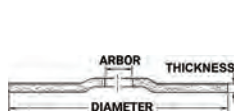




| DIA    | THICKNESS | ARBOR  | MAX RPM | QTY | A24N<br>Fast Grind | A24R<br>Long Life | A24T<br>Tough Grind | SAIT<br>Z-TECH™ |
|--------|-----------|--------|---------|-----|--------------------|-------------------|---------------------|-----------------|
| 3"     | 1/4"      | 3/8"   | 18,000  | 25  | 20002              | —                 | —                   | —               |
| 4"     | 1/4"      | 3/8"   | 13,500  | 25  | 20012              | —                 | —                   | —               |
| 4"     | 1/4"      | 5/8"   | 13,500  | 25  | 20015              | 20013             | —                   | 22599           |
| 4-1/2" | 3/16"     | 7/8"   | 13,300  | 25  | 20050              | —                 | —                   | —               |
| 4-1/2" | 3/16"     | 5/8-11 | 13,300  | 10  | 20150              | —                 | —                   | —               |
| 4-1/2" | 1/4"      | 7/8"   | 13,300  | 25  | 20060              | 20063             | 20065               | 22600           |
| 4-1/2" | 1/4"      | 5/8-11 | 13,300  | 10  | 20160              | 20163             | 20165               | 22610           |
| 5"     | 1/4"      | 7/8"   | 12,200  | 25  | 20070              | 20073             | 20075               | 22602           |
| 5"     | 1/4"      | 5/8-11 | 12,200  | 10  | 20170              | 20173             | 20175               | 22612           |
| 6"     | 1/4"      | 7/8"   | 10,200  | 25  | 20078              | 20079             | 20280               | 22603           |
| 6"     | 1/4"      | 5/8-11 | 10,200  | 10  | 20178              | 20076             | 20180               | 22613           |
| 7"     | 1/4"      | 7/8"   | 8,500   | 25  | 20081              | 20080             | 20285               | 22604           |
| 7"     | 1/4"      | 5/8-11 | 8,500   | 10  | 20085              | 20086             | 20185               | 22614           |
| 9"     | 1/4"      | 7/8"   | 6,600   | 25  | 20091              | 20090             | 20295               | 22606           |
| 9"     | 1/4"      | 5/8-11 | 6,600   | 10  | 20095              | 20096             | 20195               | 22616           |

## TECH INFO

- The "softer" a grinding wheel is (A24N) the faster it will remove metal.
- Highest quality grain assures consistent stock removal for tough applications.
- All wheels are internally reinforced with the highest quality fiberglass for maximum safety.
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry.



Type 27



5/8-11  
Super-Lock™ Hub



Angle Grinder

# TYPE 27 1/4" WHEELS



## EXTREMELY FAST GRINDING

### THE ULTIMATE GRIND™ CERAMIC

- Our best choice for maximum stock removal
- Premium high ratio ceramic grain for increased efficiency and performance

**METAL** Ferrous metals (iron, steel, welds, etc.)

**STAINLESS** Stainless steel, high tensile alloys



## PREMIUM PERFORMANCE

### THE ULTIMATE GRIND™

- Proprietary grain and bond system
- Premium performance for severe edge grinding

**METAL** Ferrous metals (iron, steel, welds, etc.)

**STAINLESS** Stainless steel, high tensile alloys



## FAST GRINDING

### SAITECH ATTACKER®

- Soft bond for extremely fast stock removal on hard metals with minimal pressure
- High performance, ceramic aluminum oxide grain, is designed to outlast standard aluminum oxide wheels
- Very uniform, high density grain structure for long life and cooler cut

**STAINLESS** Stainless steel and other high tensile alloys

**METAL** Ferrous metals (iron, steel, welds, etc.)



## PREMIUM PERFORMANCE

### SAITECH ULTIMATE PERFORMANCE™

- Hard bond for long life grinding with fast stock removal
- High performance, ceramic aluminum oxide grain, is designed to outlast standard aluminum oxide wheels
- Very uniform, high density grain structure for long life and cooler cut

**STAINLESS** Stainless steel and other high tensile alloys

**METAL** Ferrous metals (iron, steel, welds, etc.)

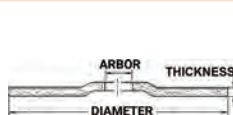




| DIA    | THICKNESS | ARBOR  | MAX RPM | QTY | ULTIMATE GRIND™ CERAMIC | ULTIMATE GRIND™ | SAITECH ATTACKER® | SAITECH ULTIMATE PERFORMANCE™ |
|--------|-----------|--------|---------|-----|-------------------------|-----------------|-------------------|-------------------------------|
| 4"     | 1/4"      | 3/8"   | 13,500  | 25  | —                       | —               | —                 | 20112                         |
| 4"     | 1/4"      | 5/8"   | 13,500  | 25  | —                       | —               | —                 | 20014                         |
| 4-1/2" | 1/4"      | 7/8"   | 13,300  | 25  | 20204                   | 22414           | 20046             | 20064                         |
| 4-1/2" | 1/4"      | 5/8-11 | 13,300  | 10  | 20214                   | 22514           | 20146             | 20164                         |
| 5"     | 1/4"      | 7/8"   | 12,200  | 25  | 20205                   | 22415           | 20047             | 20074                         |
| 5"     | 1/4"      | 5/8-11 | 12,200  | 10  | 20215                   | 22515           | 20147             | 20174                         |
| 6"     | 1/4"      | 7/8"   | 10,200  | 25  | 20206                   | 22416           | —                 | —                             |
| 6"     | 1/4"      | 5/8-11 | 10,200  | 10  | 20216                   | 22516           | —                 | —                             |
| 7"     | 1/4"      | 7/8"   | 8,500   | 25  | 20207                   | 22417           | 20048             | 20084                         |
| 7"     | 1/4"      | 5/8-11 | 8,500   | 10  | 20217                   | 22517           | 20148             | 20089                         |
| 9"     | 1/4"      | 7/8"   | 6,600   | 25  | 20209                   | 22419           | 20049             | 20094                         |
| 9"     | 1/4"      | 5/8-11 | 6,600   | 10  | 20219                   | 22519           | 20149             | 20099                         |

## TECH INFO

- Designed to provide very long life for fewer wheel changes and less downtime.
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance.
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry.



Type 27



5/8-11  
Super-Lock™ Hub



Angle Grinder

# TYPE 27 1/4" WHEELS



contaminant **cf** free

## XA24Q - CONTAMINANT-FREE / STAINLESS

- Specially formulated for nuclear and food processing plants where the need for **contaminant-free stock removal on stainless steel** is a concern
- Free of iron, chlorine and sulphur compounds (Fe + Cl + S < 0.1%)

**STAINLESS** Stainless steel and other high tensile alloys  
**METAL** Ferrous metals (iron, steel, welds, etc.)

| DIA    | THICKNESS | ARBOR | MAX RPM | QTY | XA24Q |
|--------|-----------|-------|---------|-----|-------|
| 4-1/2" | 1/4"      | 7/8"  | 13,300  | 25  | 24210 |
| 5"     | 1/4"      | 7/8"  | 12,200  | 25  | 24215 |
| 6"     | 1/4"      | 7/8"  | 10,200  | 25  | 24220 |
| 7"     | 1/4"      | 7/8"  | 8,500   | 25  | 24225 |
| 9"     | 1/4"      | 7/8"  | 6,600   | 25  | 24230 |



See page 24 for Cotton Fiber grinding and blending products for aluminum

## A46N - ALUMINUM

- Special aluminum oxide formulation prevents "loading" on soft (non-ferrous) metals
- **Soft bond for aggressive removal of material without loading**
- Outlasts competition by as much as 40%

**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)

| DIA    | THICKNESS | ARBOR  | MAX RPM | QTY | A46N  |
|--------|-----------|--------|---------|-----|-------|
| 4"     | 1/4"      | 5/8"   | 13,500  | 25  | 20018 |
| 4-1/2" | 1/4"      | 7/8"   | 13,300  | 25  | 20062 |
| 4-1/2" | 1/4"      | 5/8-11 | 13,300  | 10  | 20162 |
| 5"     | 1/4"      | 7/8"   | 12,200  | 25  | 20072 |
| 5"     | 1/4"      | 5/8-11 | 12,200  | 10  | 20172 |
| 6"     | 1/4"      | 7/8"   | 10,200  | 25  | 23360 |
| 6"     | 1/4"      | 5/8-11 | 10,200  | 10  | 23365 |
| 7"     | 1/4"      | 7/8"   | 8,500   | 25  | 20083 |
| 7"     | 1/4"      | 5/8-11 | 8,500   | 10  | 20088 |



## C24N - CONCRETE

- Special silicon carbide grain formula is excellent for grinding masonry, concrete, stone and aggregate
- Use the C24N wheel on hard to grind metal like cast iron and carbide
- Soft bond for **fast stock removal**

**CONCRETE** Masonry, concrete, stone  
**METAL** Cast iron and other ferrous metals, carbide

| DIA    | THICKNESS | ARBOR  | MAX RPM | QTY | C24N  |
|--------|-----------|--------|---------|-----|-------|
| 4-1/2" | 1/4"      | 7/8"   | 13,300  | 25  | 20061 |
| 4-1/2" | 1/4"      | 5/8-11 | 13,300  | 10  | 20161 |
| 5"     | 1/4"      | 7/8"   | 12,200  | 25  | 20071 |
| 5"     | 1/4"      | 5/8-11 | 12,200  | 10  | 20171 |
| 7"     | 1/4"      | 7/8"   | 8,500   | 25  | 20082 |
| 7"     | 1/4"      | 5/8-11 | 8,500   | 10  | 20087 |
| 9"     | 1/4"      | 7/8"   | 6,600   | 25  | 20092 |
| 9"     | 1/4"      | 5/8-11 | 6,600   | 10  | 20097 |

### TECH INFO

- Designed to provide very long life for fewer wheel changes and less downtime.
- Highest quality grain assures consistent high stock removal.
- All sizes are made with uniform grain throughout.
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance.
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry.



Type 27



5/8-11  
Super-Lock™ Hub



Angle Grinder





## FAST GRINDING

### A24N TYPE 28

- Aluminum oxide grain
- Soft bond for fast stock removal
- Use this saucer shape (Type 28) for uniform grinding of large, flat surfaces

**METAL** Ferrous metals (iron, steel, welds, etc.)

**STAINLESS** Low grade stainless steel



## LONG LIFE

### A24R TYPE 28

- Aluminum oxide grain
- Medium bond for longer life and fewer wheel changes
- Use this saucer shape (Type 28) for uniform grinding of large, flat surfaces

**METAL** Ferrous metals (iron, steel, welds, etc.)



## PREMIUM PERFORMANCE

### SAITECH ULTIMATE PERFORMANCE™ TYPE 28

- High performance, ceramic aluminum oxide grain
- Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut
- Combines maximum material removal with long life
- Use this saucer shape (Type 28) for uniform grinding of large, flat surfaces

**STAINLESS** Stainless steel

**METAL** Ferrous metals (iron, steel, welds, etc.)

| DIA    | THICKNESS | ARBOR  | MAX RPM | QTY | A24N<br>Fast Grind | A24R<br>Long Life | SAITECH ULTIMATE<br>PERFORMANCE™ |
|--------|-----------|--------|---------|-----|--------------------|-------------------|----------------------------------|
| 4-1/2" | 1/4"      | 7/8"   | 13,300  | 25  | 21020              | 21021             | —                                |
| 4-1/2" | 1/4"      | 5/8-11 | 13,300  | 10  | 21025              | 21026             | —                                |
| 7"     | 1/4"      | 7/8"   | 8,500   | 25  | —                  | 21000             | 21084                            |
| 7"     | 1/4"      | 5/8-11 | 8,500   | 10  | —                  | 21005             | 21089                            |
| 9"     | 1/4"      | 7/8"   | 6,600   | 25  | —                  | 21010             | 21094                            |
| 9"     | 1/4"      | 5/8-11 | 6,600   | 10  | —                  | 21015             | 21099                            |

## TECH INFO

- Additional fiberglass reinforcement for maximum safety.
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry.



Type 28



5/8-11  
Super-Lock™ Hub



Angle Grinder

# TYPE 29 FLEXIBLE GRINDING/BLENDING WHEELS

## CHALLENGER II™

- Aluminum oxide grain
- Open pattern on wheel for cool grinding and blending
- Safe for use in the nuclear industry
- Use for longer life in aggressive applications
- Must be used with backing pad (one included in each box)

**METAL** Steel, iron, bronze

**STAINLESS** Stainless steel

**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)

**CONCRETE** Masonry, plastic, fiberglass

## CHALLENGER 3™ HIGH PERFORMANCE

- Semi-flexible
- Grind and blend welds in one step
- Open pattern on wheel for cool grinding and blending
- **Requires no backing pad**

**STAINLESS** Stainless steel

**METAL** Steel, iron, bronze

**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)

## CHALLENGER 3™ CERAMIC PREMIUM PERFORMANCE

- Premium ceramic grain
- Open pattern on wheel for fast and cool grinding / blending
- Grinds and blends welds in one step
- Semi-flexible Type 29 design is ideal for inside diameters of pipes and contours
- **Requires no backing pad**

**STAINLESS** Stainless steel and high tensile alloys

**METAL** Steel, iron, bronze, mill scale

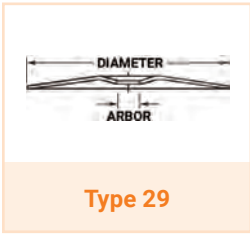
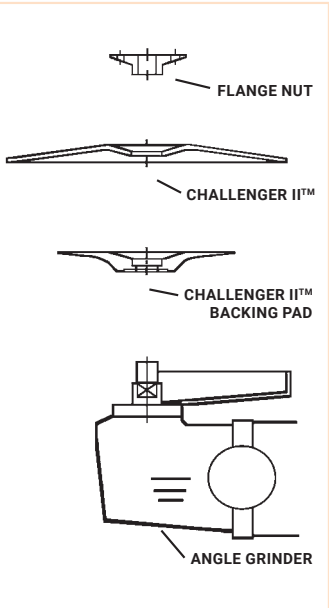
**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)

| DIA    | THICKNESS | ARBOR  | GRIT | MAX RPM | CHALLENGER II™ (QTY 25) | CHALLENGER 3™ (QTY 10) | CHALLENGER 3™ CERAMIC (QTY 10) |
|--------|-----------|--------|------|---------|-------------------------|------------------------|--------------------------------|
| 4-1/2" | 1/8"      | 7/8"   | 36   | 13,280  | 27500                   | 27610                  | 27710                          |
| 4-1/2" | 1/8"      | 7/8"   | 60   | 13,280  | 27501                   | 27611                  | -                              |
| 4-1/2" | 1/8"      | 7/8"   | 100  | 13,280  | 27502                   | -                      | -                              |
| 4-1/2" | 1/8"      | 5/8-11 | 36   | 13,280  | -                       | -                      | 27810                          |
| 5"     | 1/8"      | 7/8"   | 36   | 12,200  | 27506                   | 27615                  | 27715                          |
| 5"     | 1/8"      | 7/8"   | 60   | 12,200  | 27507                   | 27616                  | -                              |
| 7"     | 1/8"      | 7/8"   | 24   | 8,600   | 27510                   | -                      | -                              |
| 7"     | 1/8"      | 7/8"   | 36   | 8,600   | 27511                   | -                      | -                              |
| 7"     | 1/8"      | 7/8"   | 60   | 8,600   | 27512                   | -                      | -                              |

**Challenger II™ Packaging:** Each box of 25 is supplied with a backing pad and one 5/8-11 nut.  
 Additional pad assembly: 4-1/2" & 5" - Part #95245; 7" - Part #95247 • Additional pads and nuts - Pg 130

TECH INFO

- Type 29 shape allows easy control in grinding and blending applications
- Honeycomb, dimpled pattern on face allows for greater cooling and longer life
- Grind and blend welds in one-step, no need for multiple steps and products
- Available in many grits for all your grinding and blending needs
- Ideal for grinding radius and contours in pipe and vessels



Challenger II™  
Proper Clamping Procedure



# TYPE 29 AGGRESSIVE GRINDING

## SAITRON® \*\* NEW \*\* AGGRESSIVE GRINDING

This disc features a durable fiberglass backing with abrasive grains bonded with high-strength synthetic resins. This combination provides exceptional stability and powerful abrasive performance, ensuring high material removal and long life.



### SAITRON® ALUMINUM OXIDE

- Suitable for aggressive grinding of carbon steel, mill scale, cast iron, aluminum, non-ferrous metals and wood

|              |                                                         |
|--------------|---------------------------------------------------------|
| <b>METAL</b> | Carbon steel, cast iron, non-ferrous alloys, mill scale |
| <b>WOOD</b>  | Wood, plastic, fiberglass                               |



### SAITRON® SILICON CARBIDE

- Suitable for aggressive grinding on stone, manufactured aggregates, non-ferrous alloys and fiberglass

|                 |                                                    |
|-----------------|----------------------------------------------------|
| <b>CONCRETE</b> | Concrete, granite, marble, ceramic                 |
| <b>METAL</b>    | Cast iron, non-ferrous alloys, hardened mill scale |
| <b>WOOD</b>     | Fiberglass, plastic                                |



Angle Grinder



Type 29

| DIA    | ARBOR | GRIT | MAX RPM | QTY | SAITRON®<br>ALUMINUM OXIDE | SAITRON®<br>SILICON CARBIDE |
|--------|-------|------|---------|-----|----------------------------|-----------------------------|
| 4-1/2" | 7/8"  | 16   | 13,300  | 10  | 56505                      | 56500                       |
| 4-1/2" | 7/8"  | 24   | 13,300  | 10  | 56506                      | 56501                       |
| 4-1/2" | 7/8"  | 36   | 13,300  | 10  | 56507                      | 56502                       |
| 7"     | 7/8"  | 16   | 8,500   | 10  | 56535                      | 56530                       |
| 7"     | 7/8"  | 24   | 8,500   | 10  | 56536                      | 56531                       |
| 7"     | 7/8"  | 36   | 8,500   | 10  | 56537                      | 56532                       |



# 1/8" PIPELINE WHEELS



## GENERAL PURPOSE

### A24R PIPELINE

- Aluminum oxide grain
- Designed and manufactured to perform both cutting and light grinding

**METAL** Ferrous metals (steel, cast iron, etc.)



## HIGH PERFORMANCE

### SAIT Z-TECH™

- Tough zirconium grain
- High performance cutting and light grinding for the toughest applications

**METAL** Ferrous metals (iron, steel, welds)

**STAINLESS** Stainless steel, high tensile alloys



## PREMIUM PERFORMANCE

### SAITECH™ PIPELINE

- High performance, ceramic aluminum oxide grain
- Uniform, high-density grain structure is extremely durable and self-sharpening for long life and a cooler cut
- Manufactured with proprietary ceramic abrasive grain to outlast standard aluminum oxide wheels
- Long life combined with versatility for the pipeline industry

**STAINLESS** Stainless steel, high tensile alloys

**METAL** Ferrous metals (iron, steel, welds)



## PREMIUM PERFORMANCE

### THE ULTIMATE PIPELINE™

- Features our proprietary grain and bond system
- Fast, free-cutting with long-lasting life
- Premium performance cutting and light grinding for even the toughest applications

**METAL** Ferrous metals (iron, steel, welds)

**STAINLESS** Stainless steel, high tensile alloys

**PIPELINE WIRE BRUSHES AVAILABLE ON PAGE 121**





## PREMIUM PERFORMANCE

### THE ULTIMATE PIPELINE™ CERAMIC

- Features our proprietary high-ratio blend of ceramic grains for maximum stock removal
- Extremely fast, free-cutting with exceptional life for the toughest applications
- Easy to control, non-glazing design
- Ideal for root pass grinding

**METAL** Ferrous metals (iron, steel, welds)

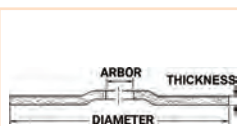
**STAINLESS** Stainless steel, high tensile alloys

| DIA    | THICKNESS | ARBOR  | MAX RPM | QTY | A24R PIPELINE | SAIT Z-TECH™ | SAITECH™ PIPELINE | ULTIMATE PIPELINE™ | ULTIMATE PIPELINE™ CERAMIC |
|--------|-----------|--------|---------|-----|---------------|--------------|-------------------|--------------------|----------------------------|
| 4"     | 1/8"      | 3/8"   | 13,500  | 25  | 22007         | –            | –                 | –                  | –                          |
| 4"     | 1/8"      | 5/8"   | 13,500  | 25  | 22015         | –            | –                 | –                  | –                          |
| 4-1/2" | 1/8"      | 7/8"   | 13,300  | 25  | 22030         | 22620        | 22264             | 20020              | 22444                      |
| 4-1/2" | 1/8"      | 5/8-11 | 13,300  | 10  | 22130         | 22630        | 22269             | 20120              | 22544                      |
| 5"     | 1/8"      | 7/8"   | 12,200  | 25  | 22040         | 22622        | 22274             | 20025              | 22445                      |
| 5"     | 1/8"      | 5/8-11 | 12,200  | 10  | 22140         | 22632        | 22279             | 20125              | 22545                      |
| 6"     | 1/8"      | 7/8"   | 10,200  | 25  | 22042         | 22623        | –                 | 20030              | 22446                      |
| 6"     | 1/8"      | 5/8-11 | 10,200  | 10  | 22046         | 22633        | –                 | 20130              | 22546                      |
| 7"     | 1/8"      | 7/8"   | 8,500   | 25  | 22055         | 22624        | 22284             | 20035              | 22447                      |
| 7"     | 1/8"      | 5/8-11 | 8,500   | 10  | 22052         | 22634        | 22289             | 20135              | 22547                      |
| 9"     | 1/8"      | 7/8"   | 6,600   | 25  | 22065         | 22626        | 22294             | 20040              | 22449                      |
| 9"     | 1/8"      | 5/8-11 | 6,600   | 10  | 22062         | 22636        | 22299             | 20140              | 22549                      |

## TECH INFO

- Designed for both cutting and light grinding, eliminating the need for two separate wheels
- Ideal for root pass grinding
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry

Reusable 5/8-11 adapter for use on Type 1 / Type 41 and Type 27 / Type 42 reinforced wheels with a 7/8 arbor, a maximum diameter of 5" and a wheel thickness of .045" to 1/8" available in accessories on Page 130. (Part #95055)



Type 27



5/8-11  
Super-Lock™ Hub



Angle Grinder

# CUP STONES



## A16 – GENERAL PURPOSE CUP STONES

- Aluminum oxide grain
- Coarse grit wheel for tough grinding applications
- Excellent for cleaning castings, mold marks and removing flashing

**METAL** Ferrous metals

## Z16 – ZIRCONIUM CUP STONES

- Special zirconium grain formulation
- Coarse grit and hard bond for the toughest grinding applications
- Outlasts standard aluminum oxide cup wheels 2:1

**METAL** Ferrous metals

**STAINLESS** Stainless steel

## C16 – CONCRETE CUP STONES

- Silicon carbide grain
- Coarse grit for tough grinding applications
- Excellent for cleaning castings, mold marks and removing flashing

**CONCRETE** Masonry, concrete, stone

## CA16 – COMBINATION CUP STONES

- Combination aluminum oxide and silicon carbide grains
- Excellent for cleaning castings, mold marks and removing flashing

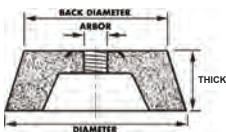
**METAL** Ferrous metals

**CONCRETE** Masonry, concrete, stone

| DIA | BACK DIA | THICKNESS | ARBOR  | BACKING | MAX RPM | QTY | A16   | Z16   | C16   | CA16  |
|-----|----------|-----------|--------|---------|---------|-----|-------|-------|-------|-------|
| 4"  | 3"       | 2"        | 5/8-11 | PLAIN   | 9,050   | 12  | 26000 | –     | 26001 | 26002 |
| 4"  | 3"       | 2"        | 5/8-11 | METAL   | 9,050   | 12  | 26003 | –     | 26004 | 26005 |
| 5"  | 4"       | 2"        | 5/8-11 | PLAIN   | 7,250   | 6   | 26010 | 26050 | 26011 | 26012 |
| 5"  | 4"       | 2"        | 5/8-11 | METAL   | 7,250   | 6   | 26013 | 26053 | 26014 | 26015 |
| 6"  | 4-3/4"   | 2"        | 5/8-11 | PLAIN   | 6,050   | 5   | 26020 | 26060 | 26021 | 26022 |
| 6"  | 4-3/4"   | 2"        | 5/8-11 | METAL   | 6,050   | 5   | 26023 | 26063 | 26024 | 26025 |

### TECH INFO

- Type 11 shape provides maximum surface area coverage for grinding and cleaning applications
- Metal back option provides greater stability in tough grinding applications



Type 11



Angle Grinder

AVAILABLE WITH AN OPTIONAL METAL BACKING





## DIAMOND CUP WHEELS

- For use on a wide range of masonry building materials (brick, blocks, pavers, etc.) and concrete tiles (roofing, etc.)
- High concentration of diamonds and large grinding segments for exceptional life and stock removal
- High strength design with ventilation holes to aid dust extraction and maximize product life

**CONCRETE** Masonry, concrete, stone



## AVAILABLE IN 3 SPECS



### SINGLE ROW

- Extremely fast stock removal



### DOUBLE ROW

- Fast stock removal and long life while delivering a smooth finish



### SINGLE ROW TURBO

- Aggressive cut for maximum stock removal and smooth finish

| DIA    | ARBOR  | MAX RPM | QTY | SINGLE ROW | DOUBLE ROW | SINGLE TURBO |
|--------|--------|---------|-----|------------|------------|--------------|
| 4"     | 5/8-11 | 15,300  | 1   | 49012      | 49022      | 49002        |
| 4-1/2" | 5/8-11 | 15,300  | 1   | —          | 49023      | —            |
| 7"     | 5/8-11 | 8,750   | 1   | 49016      | 49026      | 49006        |



Angle Grinder

# MOUNTED POINTS



## A36Q - RESIN BONDED

- Aluminum oxide grain
- For deburring and finishing
- Fast stock removal
- Shank length 1-1/2"

**METAL** Ferrous metals (iron, steel, welds, etc.)

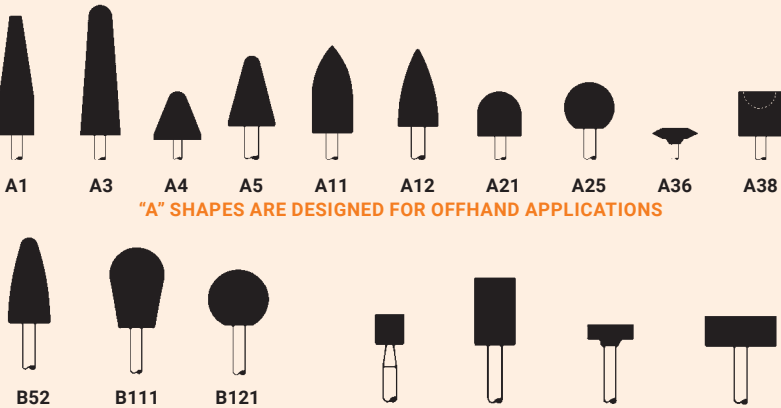


## A60R - VITRIFIED

- Aluminum oxide grain
- Ideal for ID grinding and mold finishing
- Shank length 1-1/2"

**METAL** Ferrous metals

SILHOUETTES DO NOT REPRESENT ACTUAL DIMENSIONS



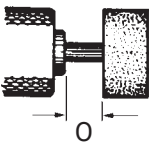
"B" SHAPES ARE DESIGNED FOR LIGHT DEBURRING APPLICATIONS

"W" SHAPES ARE FOR MEDIUM TO HEAVY STOCK REMOVAL

| TYPE | DIA    | LENGTH | SHANK DIA | MAX RPM | QTY | A36Q  | A60R  |
|------|--------|--------|-----------|---------|-----|-------|-------|
| A1   | 3/4"   | 2-1/2" | 1/4"      | 19,800  | 10  | 27401 | 27010 |
| A3   | 1"     | 2-3/4" | 1/4"      | 16,100  | 10  | 27402 | 27020 |
| A4   | 1-1/4" | 1-1/4" | 1/4"      | 30,560  | 10  | 27403 | 27030 |
| A5   | 3/4"   | 1-1/8" | 1/4"      | 45,000  | 10  | 27404 | 27035 |
| A11  | 7/8"   | 2"     | 1/4"      | 19,860  | 10  | 27405 | 27040 |
| A12  | 11/16" | 1-1/4" | 1/4"      | 48,000  | 10  | -     | 27050 |
| A21  | 1"     | 1"     | 1/4"      | 34,500  | 10  | -     | 27060 |
| A25  | 1"     | ROUND  | 1/4"      | 35,620  | 10  | -     | 27070 |
| A36  | 1-5/8" | 3/8"   | 1/4"      | 23,520  | 10  | -     | 27086 |
| A38  | 1"     | 1"     | 1/4"      | 34,500  | 10  | 27406 | 27088 |
| B52  | 3/8"   | 3/4"   | 1/4"      | 45,370  | 10  | 27407 | -     |
| B52  | 3/8"   | 3/4"   | 1/8"      | 45,370  | 20  | -     | 27110 |
| B111 | 7/16"  | 11/16" | 1/8"      | 33,750  | 20  | -     | 27120 |
| B121 | 1/2"   | 1/2"   | 1/8"      | 45,370  | 20  | -     | 27130 |
| W160 | 1/4"   | 1/4"   | 1/8"      | 81,370  | 10  | -     | 27308 |
| W177 | 3/8"   | 3/4"   | 1/8"      | 33,750  | 20  | -     | 27310 |
| W179 | 3/8"   | 1-1/4" | 1/4"      | 45,750  | 10  | 27408 | -     |
| W189 | 1/2"   | 2"     | 1/4"      | 24,000  | 10  | 27409 | 27327 |
| W196 | 5/8"   | 1"     | 1/4"      | 35,250  | 10  | -     | 27329 |
| W204 | 3/4"   | 3/4"   | 1/4"      | 42,750  | 10  | 27410 | 27320 |
| W208 | 3/4"   | 2"     | 1/4"      | 18,750  | 10  | 27411 | 27330 |
| W215 | 1"     | 1/8"   | 1/8"      | 38,200  | 10  | -     | 27338 |
| W220 | 1"     | 1"     | 1/4"      | 25,500  | 10  | 27412 | 27360 |
| W222 | 1"     | 2"     | 1/4"      | 15,900  | 10  | 27413 | 27340 |
| W225 | 1-1/4" | 1/4"   | 1/4"      | 30,560  | 10  | -     | 27350 |
| W236 | 1-1/2" | 1/2"   | 1/4"      | 25,470  | 10  | 27414 | 27349 |

### TECH INFO

- These mounted bonded points are a low-cost alternative to carbide burs
- Each point is dressed for perfect balance to perform without vibration or run-out



"O" = 1/2"

Mandrel overhang "O" must always be the lowest possible. Maximum speeds given refer to overhang "O" equal to 1/2"



Die Grinder



## CONES & PLUGS

- Aluminum oxide grain
- For grinding and snagging in hard to reach areas
- Fast stock removal

**METAL** Ferrous metals (iron, steel, welds, etc.)



| DIA    | LENGTH | ARBOR  | GRADE | MAX RPM | QTY | TYPE 16 | TYPE 17 | TYPE 18 | TYPE 18R |
|--------|--------|--------|-------|---------|-----|---------|---------|---------|----------|
| 1"     | 3"     | 3/8-24 | A20   | 36,287  | 10  | 24999   | –       | 25200   | 25300    |
| 1-1/4" | 3"     | 3/8-24 | A16   | 29,030  | 10  | 25000   | –       | –       | –        |
| 1-1/2" | 2-1/2" | 3/8-24 | A20   | 24,192  | 10  | –       | 25101   | 25201   | 25301    |
| 1-1/2" | 2-1/2" | 5/8-11 | A20   | 24,192  | 10  | –       | 25102   | 25202   | 25302    |
| 1-1/2" | 3"     | 3/8-24 | A16   | 24,192  | 10  | –       | 25103   | 25203   | 25303    |
| 1-1/2" | 3"     | 5/8-11 | A16   | 24,192  | 10  | –       | 25104   | 25204   | 25304    |
| 2"     | 3"     | 5/8-11 | A16   | 18,144  | 10  | 25006   | 25106   | 25206   | 25306    |
| 2-3/4" | 3-1/2" | 5/8-11 | A16   | 13,195  | 10  | 25008   | –       | –       | –        |
| 3"     | 3"     | 5/8-11 | A20   | 12,096  | 10  | 25009   | –       | –       | –        |

### TECH INFO

- Available in the most common application shapes
- Large grit size for heavy-duty grinding and snagging



Die Grinder

# BENCH WHEELS



## ALUMINUM OXIDE

- Aluminum oxide grain
- General purpose
- For sharpening tools and light stock removal

**METAL** Ferrous metals (carbon steel, steel, iron, forgings, etc.)

| DIA | THICKNESS | ARBOR  | MAX RPM | GRADES |       |       |       |       |
|-----|-----------|--------|---------|--------|-------|-------|-------|-------|
|     |           |        |         | A24    | A36   | A46   | A60   | A80   |
| 6"  | 1/2"      | 1"     | 4,140   | –      | 28003 | –     | 28004 | 28005 |
| 6"  | 3/4"      | 1"     | 4,140   | –      | 28000 | –     | 28001 | 28002 |
| 6"  | 1"        | 1"     | 4,140   | –      | 28006 | –     | 28007 | 28008 |
| 7"  | 3/4"      | 1"     | 3,600   | –      | 28010 | –     | 28011 | 28012 |
| 7"  | 1"        | 1"     | 3,600   | –      | 28013 | –     | 28014 | 28015 |
| 8"  | 3/4"      | 1"     | 3,600   | –      | 28020 | –     | 28021 | 28022 |
| 8"  | 1"        | 1"     | 3,600   | –      | 28023 | –     | 28024 | 28025 |
| 10" | 1"        | 1-1/4" | 2,485   | –      | 28040 | 28043 | 28041 | 28042 |
| 10" | 1-1/2"    | 1-1/4" | 2,485   | –      | 28050 | 28053 | 28051 | 28052 |
| 12" | 2"        | 1-1/2" | 2,070   | 28060  | 28063 | 28061 | 28062 | –     |



## GREEN SILICON CARBIDE

- Green silicon carbide grain
- Extremely sharp grain for faster, burr-free cutting
- Use on carbide tipped tools, cast iron

**METAL** Ferrous and/or non-ferrous metals, carbide, cast iron

| DIA | THICKNESS | ARBOR  | MAX RPM | GRADES |       |       |
|-----|-----------|--------|---------|--------|-------|-------|
|     |           |        |         | GC60   | GC80  | GC120 |
| 6"  | 3/4"      | 1"     | 4,140   | 28100  | 28101 | 28102 |
| 6"  | 1"        | 1"     | 4,140   | 28103  | 28104 | 28105 |
| 7"  | 1"        | 1"     | 3,600   | 28113  | 28114 | 28115 |
| 8"  | 1"        | 1"     | 3,600   | 28123  | 28124 | 28125 |
| 10" | 1"        | 1-1/4" | 2,485   | 28140  | 28141 | 28142 |
| 12" | 2"        | 1-1/2" | 2,070   | 28160  | 28161 | 28162 |



Bench Grinder

| WHEEL SIZE | BUSHINGS      |
|------------|---------------|
| 6"         | 3/4, 5/8, 1/2 |
| 7"         | 3/4, 5/8, 1/2 |
| 8"         | 3/4, 5/8      |
| 10"        | 1, 3/4        |
| 12"        | 1-1/4, 1      |

Reduction bushings enclosed with each wheel

### TECH INFO

- Vitrified bond for long life
- Individually packaged for safety and convenience
- Available in two formulations for a wide range of applications



The vitrified bonding technique uses a high temperature process whereby abrasive materials are heated to a point where the grains fuse to each other, forming the bond posts. Vitrified products, although somewhat brittle, are not affected by water, oil, most acids, or temperature changes. Used primarily for precision and fixed-feed applications, they are particularly well suited for bench grinders and offhand tool room applications.



## HAND & FLOOR RUBS

- Removes form marks

- PLAIN** For cleaning castings and dressing bench grinding wheels
- FLUTED** For extra shearing action
- HANDLE** For extra comfort and working overhead
- SCORED** Breaks into two 4 x 2 x 2 floor rubs
- CONCRETE** Masonry, concrete, stone

| TYPE  | DESCRIPTION | LENGTH | THICKNESS | HEIGHT | GRADE | QTY | HAND & FLOOR RUBS |
|-------|-------------|--------|-----------|--------|-------|-----|-------------------|
| HR202 | PLAIN       | 4"     | 2"        | 2"     | C24R  | 6   | 25010             |
| HR241 | FLUTED      | 6"     | 2"        | 2"     | C24R  | 5   | 25020             |
| HR242 | FLUTED      | 8"     | 2"        | 2"     | C24R  | 5   | 25030             |
| FR521 | SCORED      | 8"     | 2"        | 2"     | C10R  | 3   | 25060             |
| FR521 | SCORED      | 8"     | 2"        | 2"     | C24R  | 3   | 25061             |
| FR521 | SCORED      | 8"     | 2"        | 2"     | C80R  | 3   | 25062             |
| HR252 | HANDLE      | 6"     | 3"        | 1"     | C24R  | 5   | 25040             |
| HR250 | HANDLE      | 8"     | 3-1/2"    | 1-1/2" | C24R  | 5   | 25050             |



Hand Rub

### TECH INFO

- Vitrified bond for long life
- Available in several configurations for a wide range of cleaning and dressing applications
- Each box of plain and scored rubs contains 6 wood wedges



## WOOD WEDGES

- For use with Vitrified Bonded Floor Rubs
- Skin packaged in quantities of 2 per package

PART #

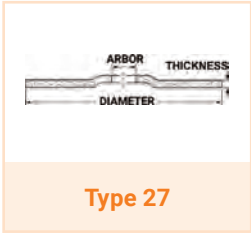
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# COTTON FIBER

## COTTON FIBER WHEELS

- Multiple layers of cotton impregnated with abrasive grain and special bonding agents allow for the coolest blending and finishing wheels
- Special cotton formula minimizes loading on soft, non-ferrous metals like aluminum

**STAINLESS** Stainless steel  
**ALUMINUM** Non-ferrous metals  
**METAL** Ferrous metals



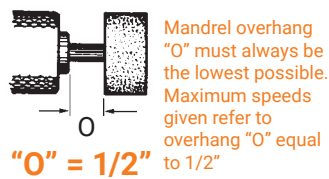
| GRADE     | DESCRIPTION                                 | ROUGHNESS AVERAGE VALUES |           |
|-----------|---------------------------------------------|--------------------------|-----------|
|           |                                             | 304 SS                   | 6061 ALUM |
| A24UA-MTX | RESIN BOND FOR LIGHT TO MEDIUM WELD REMOVAL | 140 RA                   | N/A       |
| A36UA-GFX | LATEX BOND FOR WELD BLENDING                | 40 RA                    | 130 RA    |
| A54UA-GFX | LATEX BOND FOR WELD BLENDING AND FINISHING  | 30 RA                    | 80 RA     |

| DIA    | THICKNESS | ARBOR | MAX RPM | QTY | GRADES |       |       |
|--------|-----------|-------|---------|-----|--------|-------|-------|
|        |           |       |         |     | A24    | A36   | A54   |
| 4"     | 1/4"      | 5/8"  | 13,500  | 10  | –      | 29201 | 29202 |
| 4-1/2" | 1/4"      | 7/8"  | 13,500  | 10  | 29206  | 29207 | 29208 |
| 7"     | 1/4"      | 7/8"  | 8,500   | 10  | 29212  | 29213 | 29214 |

## COTTON FIBER MOUNTED POINTS

- **A54MTX**: Resin Bond for light removal/blending
- **A80GFX**: Latex Bond with finer grit for ultimate finishing
- Multiple layers of cotton impregnated with abrasive grain and special bonding agents allow for the coolest blending and finishing
- Special cotton formula minimizes loading on soft, non-ferrous metals like aluminum

**STAINLESS** Blending on stainless steel, high tensile alloys  
**ALUMINUM** Non-ferrous metals  
**METAL** Ferrous metals



| TYPE | DIA  | LENGTH | SHANK DIA | "O" = 1/2" Max RPM | GRADES |       |
|------|------|--------|-----------|--------------------|--------|-------|
|      |      |        |           |                    | A54    | A80   |
| A5   | 3/4" | 1-1/8" | 1/4"      | 38,550             | 50560  | 50360 |
| B42  | 1/2" | 3/4"   | 1/4"      | 61,120             | 50561  | 50361 |
| B52  | 3/8" | 3/4"   | 1/4"      | 78,340             | 50562  | 50362 |
| B121 | 1/2" | 1/2"   | 1/4"      | 69,310             | –      | 50363 |
| B122 | 3/8" | 3/8"   | 1/4"      | 69,310             | –      | 50364 |
| W163 | 1/4" | 1/2"   | 1/4"      | 33,750             | –      | 50365 |
| W189 | 1/2" | 2"     | 1/4"      | 26,830             | 50566  | 50366 |
| W220 | 1"   | 1"     | 1/4"      | 25,500             | –      | 50367 |
| W222 | 1"   | 2"     | 1/4"      | 15,900             | –      | 50368 |

Packaging - 10 per box





## COTTON FIBER FINISHING DISCS

- Aluminum oxide grain
- Cotton fiber abrasive material will not smear on titanium and stainless steel
- SAIT-LOK-R™ discs are made of multiple layers of cotton fiber abrasive impregnated material. These quick change discs produce a smooth finish in one step. Nylon screw threaded hub for easy mounting to the backing pad.

**STAINLESS** Blending on stainless steel, high tensile alloys  
**ALUMINUM** Non-ferrous metals  
**METAL** Ferrous metals

| GRADE | DESCRIPTION                                               | ROUGHNESS AVERAGE VALUES |           |
|-------|-----------------------------------------------------------|--------------------------|-----------|
|       |                                                           | 304 SS                   | 6061 ALUM |
| A24M  | COARSE GRIT WITH MEDIUM FLEXIBILITY FOR AGGRESSIVE ACTION | 70 RA                    | 90 RA     |
| A36F  | MEDIUM GRIT WITH HIGHER FLEXIBILITY FOR SMOOTHER ACTION   | 40 RA                    | 60 RA     |
| A54F  | FINE GRIT WITH HIGHER FLEXIBILITY FOR FINISHING           | 30 RA                    | 50 RA     |
| A80F  | FINER GRIT FOR ULTIMATE FINISHING                         | 20 RA                    | 45 RA     |



SAIT-LOK-R™



Portable Grinder

See SAIT-LOK-R™ Backing Pads on page 132 for Cotton Fiber Discs

| DIA | MAX RPM | QTY | GRADES |       |       |       |
|-----|---------|-----|--------|-------|-------|-------|
|     |         |     | A24M   | A36F  | A54F  | A80F  |
| 2"  | 30,000  | 25  | 50300  | 50301 | 50302 | 50303 |
| 3"  | 20,000  | 25  | 50308  | 50309 | 50310 | 50311 |

## COTTON FIBER DEBURRING WHEELS

- Fine grit with higher flexibility for finishing
- Cotton fiber abrasive material will not smear on titanium and stainless steel
- Ideal for light deburring without loading or discoloration
- **A54MTX**: Resin Bond for light removal/blending
- **A54GFX**: Latex Bond with finer grit for ultimate finishing

**STAINLESS** Deburring of stainless steel, high tensile alloys  
**ALUMINUM** Non-ferrous metals  
**METAL** Ferrous metals

| DIA | THICKNESS | BORE | GRADE  | MAX RPM | QTY | PART # |
|-----|-----------|------|--------|---------|-----|--------|
| 3"  | 1/16"     | 3/8" | A54MTX | 18,080  | 10  | 29310  |
| 3"  | 1/8"      | 3/8" | A54GFX | 12,095  | 10  | 29312  |
| 4"  | 1/8"      | 3/8" | A54GFX | 9,075   | 10  | 29322  |



Die Grinder



# CUTTING WHEELS INDEX

## HOW TO PICK A CUTTING WHEEL ..... 28

### .045 CUTTING WHEELS ..... 30

|                             |    |
|-----------------------------|----|
| A60S .....                  | 30 |
| Z-TECH .....                | 30 |
| SAIT.M.X.™ .....            | 30 |
| A46N - ALUMINUM .....       | 30 |
| SAITECH™ .....              | 32 |
| THE ULTIMATE CUT™ .....     | 32 |
| THE ULTIMATE CERAMIC™ ..... | 32 |
| XA46R .....                 | 32 |

### .090 CUTTING & NOTCHING WHEELS..... 34

|                                     |    |
|-------------------------------------|----|
| A60S .....                          | 34 |
| Z-TECH™ .....                       | 34 |
| SAITECH ULTIMATE PERFORMANCE™ ..... | 34 |

### .095 ULTIMATE COMBO WHEELS ..... 36

|                              |    |
|------------------------------|----|
| A60S ULTIMATE COMBO™ .....   | 36 |
| Z-TECH™ ULTIMATE COMBO ..... | 36 |

### 3/32" & 1/8" CUTTING WHEELS .....37

|                                     |    |
|-------------------------------------|----|
| A24R .....                          | 37 |
| Z-TECH™ .....                       | 37 |
| SAITECH ULTIMATE PERFORMANCE™ ..... | 37 |
| C24R .....                          | 38 |
| XA24Q .....                         | 38 |

### TOOL ROOM ..... 39

|            |    |
|------------|----|
| A36T ..... | 39 |
| A60T ..... | 39 |

### THIN HIGH SPEED CUT-OFF ..... 40

|                                     |    |
|-------------------------------------|----|
| A24R .....                          | 40 |
| A36T .....                          | 40 |
| A60T .....                          | 40 |
| SAITECH ULTIMATE PERFORMANCE™ ..... | 40 |

### SMALL DIAMETER PORTABLE SAW CUT-OFF WHEELS..... 42

|            |    |
|------------|----|
| A24R ..... | 42 |
| A30S ..... | 42 |
| C24R ..... | 42 |

## LARGE DIAMETER CUTTING WHEELS ..... 43

### CHOP SAW WHEELS ..... 44

|                             |    |
|-----------------------------|----|
| EZ-CHOP ATTACKER® .....     | 44 |
| EZ-CHOP® .....              | 44 |
| IRON WORKER™ .....          | 44 |
| Z-TECH™ .....               | 45 |
| SAITECH STEEL WORKER® ..... | 45 |
| STUD KING® .....            | 45 |
| A46N - ALUMINUM .....       | 45 |

### PORTABLE SAW WHEELS ..... 46

|                   |    |
|-------------------|----|
| A24R .....        | 46 |
| XFC™ .....        | 46 |
| SAIT PRO .....    | 46 |
| BRUTE™ .....      | 46 |
| HOB0® .....       | 46 |
| DUCTILE™ .....    | 47 |
| C24R .....        | 47 |
| BIG M.A.C.™ ..... | 47 |

### 9" PORTABLE SAW WHEELS ..... 48

|                                                      |    |
|------------------------------------------------------|----|
| A60S .....                                           | 48 |
| THE ULTIMATE CERAMIC CUT-OFF™ .....                  | 48 |
| GENERAL PURPOSE CONCRETE DIAMOND BLADE **NEW** ..... | 48 |

### STREET SAW WHEELS ..... 49

|           |    |
|-----------|----|
| C16 ..... | 49 |
|-----------|----|

### STATIONARY SAW WHEELS ..... 49

|            |    |
|------------|----|
| A24N ..... | 49 |
| A24R ..... | 49 |
| A36R ..... | 49 |
| C24R ..... | 49 |

### METAL-CUTTING CARBIDE BLADES ..... 50

|                                            |    |
|--------------------------------------------|----|
| STEEL WORKER® CARBIDE BLADE .....          | 52 |
| TMX - THIN METAL EXTRA CARBIDE BLADE ..... | 52 |
| STAINLESS CARBIDE BLADE .....              | 53 |
| ALUMINUM CARBIDE BLADE .....               | 53 |

### DIAMOND BLADES ..... 54

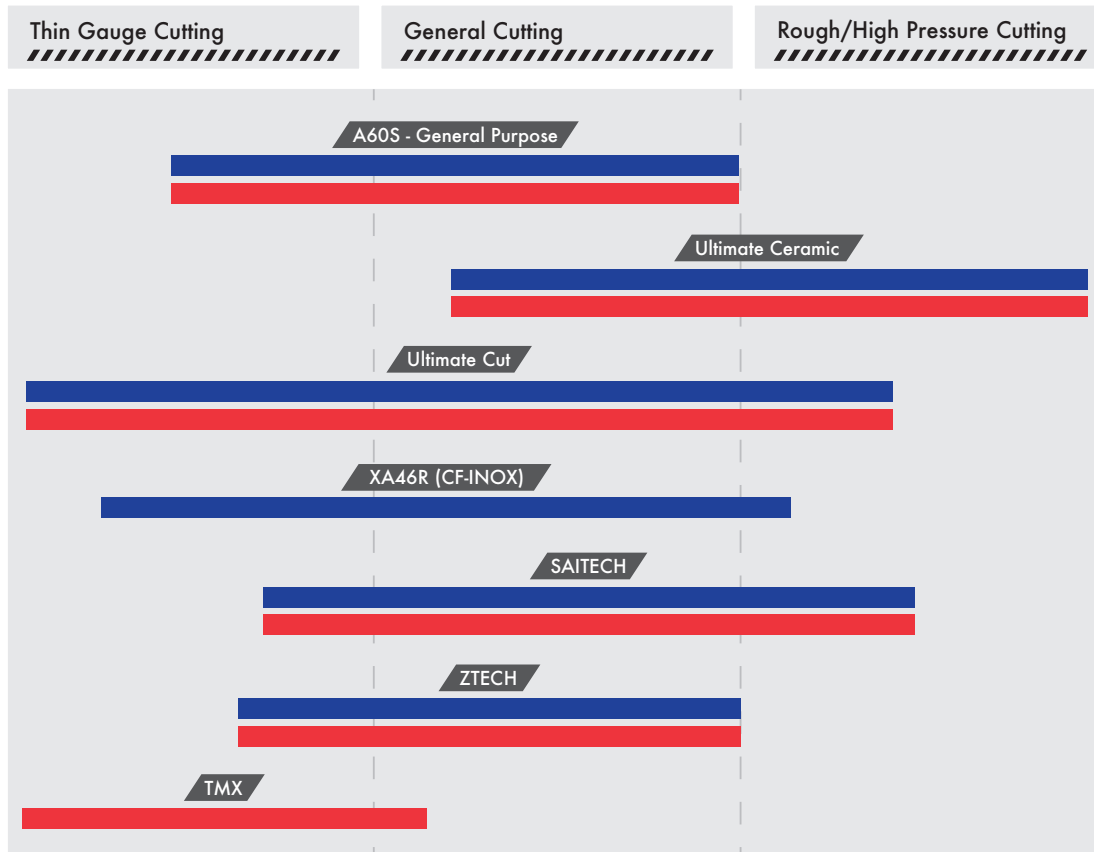
|                                             |    |
|---------------------------------------------|----|
| CONTINUOUS RIM .....                        | 54 |
| SEGMENTED RIM .....                         | 54 |
| SERRATED RIM .....                          | 54 |
| LARGE DIAMETER DIAMOND BLADES **NEW** ..... | 55 |

# CUTTING WHEELS

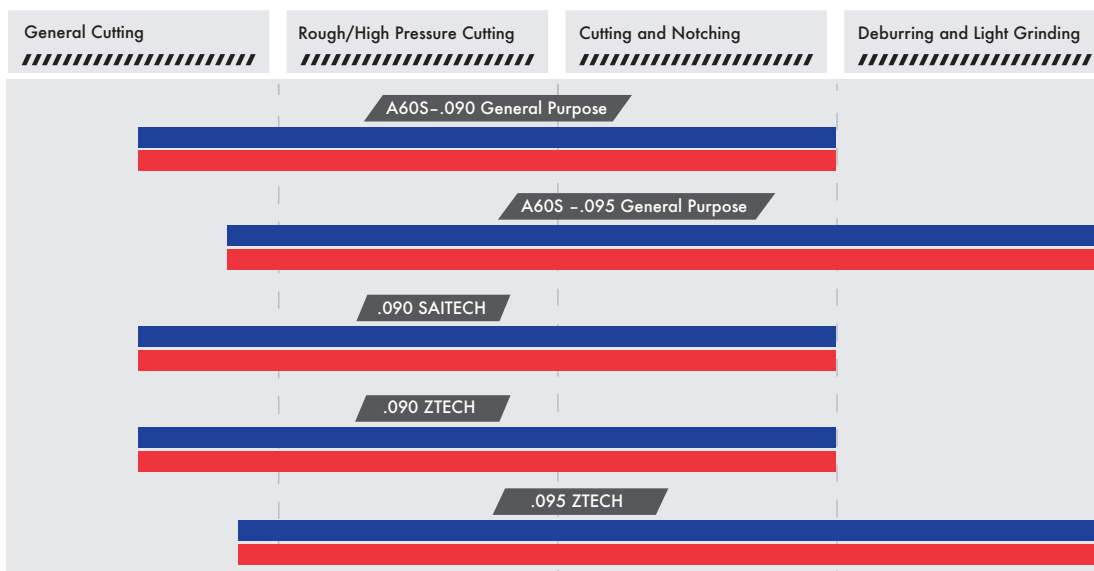


# HOW TO PICK A CUTTING WHEEL

## .045 PRODUCT SELECTION GUIDE



## .090/.095 PRODUCTION SELECTION GUIDE



Carbon Steel/Ferrous Metals



Stainless Steel





Thin cutting wheels have made the job of the welder, fabricator and maintenance technician easier by providing them with a quick and simple way to cut a piece of metal without the need for other bulky equipment (torches, large saws, etc.). Yet the most common mistake we see is that users often choose the incorrect wheel for the job.

## United Abrasives .045 Wheels

**United Abrasives .045 wheels are the best choice for efficient cutting.** They should never be used for deburring metal after cutting or grinding. This type of misuse could result in wheel failure resulting in severe injury.

## United Abrasives .090 Wheels

**United Abrasives .090 wheels are designed for cutting and notching metal.** Notching is a shearing process during which a metal scrap piece is removed from the outside edge of a metal workpiece prior to welding.

## Ultimate Combo™ Wheel

Our most versatile cutting wheel is the **Ultimate Combo™** wheel which has a **.095 thickness**. This product allows operators to **cut, notch, debur and light grind** without the need to change the wheel.

## TYPES OF CUTTING WHEELS

There are two basic configurations of cutting wheels:

- **Type 1 / Type 41:** This is a flat cutting wheel that allows for a maximum depth of cut.
- **Type 27 / Type 42:** Originally developed and patented by United Abrasives, this design features more of a rigid feel while cutting, enhanced operator visibility of the cut, and the ability to flush cut as the raised hub allows for the locking nut to be recessed. These wheels are also available with our 5/8-11 quick change hub for ease of mounting.

## GRAINS

- **Ceramic** - Ceramic cutting wheels allow for a very long life and fast cutting speeds. Ceramics also tend to cut cooler, minimizing discoloration while maximizing product life.
- **Zirconium** - Zirconium grain has an extremely durable design. These wheels are used for high performance cutting with long life and feature a low cost-per-cut ratio.
- **Aluminum Oxide** - Aluminum Oxide is the most common abrasive grain and delivers very good cut rates and durability. It tends to have a lower initial cost for the user which lends to its popularity.

# .045" CUTTING WHEELS



## GENERAL PURPOSE

### A60S

- Special aluminum oxide grain
- Extremely fast burr-free cutting with long life
- Exceptional performance

**METAL** Ferrous and/or non-ferrous metals (iron, steel, welds, etc)



## HIGH PERFORMANCE

### Z-TECH™

- Special zirconium grain formula
- Hard bond for extremely long life
- Fast, burr-free cutting

**METAL** Ferrous and/or non-ferrous metals (iron, steel, welds, etc)

**STAINLESS** Stainless steel, high tensile alloys



## THIN METAL

### SAIT.M.X.™

- Special bond for cutting sheet metal and other thin gauge metals
- Fast, burr-free cutting
- Only available in Type 1 / Type 41

**METAL** Ferrous metals (carbon steel, etc)

**STAINLESS** Stainless steel



## NON-FERROUS METALS

### A46N - ALUMINUM

- Aluminum oxide grain
- Soft bond for aggressive cutting without loading

**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc)

## TYPE 1 / TYPE 41

| DIA    | THICKNESS | ARBOR | MAX RPM | QTY | A60S  | Z-TECH™ | SAIT.M.X.™ | A46N  |
|--------|-----------|-------|---------|-----|-------|---------|------------|-------|
| 4"     | .045"     | 5/8"  | 19,000  | 50  | 23099 | 23323   | –          | –     |
| 4-1/2" | .045"     | 7/8"  | 13,300  | 50  | 23101 | 23324   | 23604      | 23314 |
| 5"     | .045"     | 7/8"  | 12,200  | 50  | 23103 | 23325   | 23605      | –     |
| 6"     | .045"     | 5/8"  | 10,200  | 50  | 23105 | –       | –          | –     |
| 6"     | .045"     | 7/8"  | 10,200  | 50  | 23106 | 23327   | 23606      | 23316 |
| 7"     | .045"     | 5/8"  | 8,500   | 50  | 23107 | 23328   | –          | –     |

### TECH INFO

- Type 1 / Type 41 shape for square, burr-free cutting
- Externally reinforced with fiberglass layers to provide ultimate safety in a thin wheel
- Unique formulations offer the fastest cutting, longest lasting thin wheels
- Wide range of sizes available to fit both angle grinders and circular saws



Type 1 / Type 41



Angle Grinder



Circular Saw

## TYPE 27 / TYPE 42

| DIA    | THICKNESS | ARBOR  | MAX RPM | QTY | A60S             | Z-TECH™          | A46N  |
|--------|-----------|--------|---------|-----|------------------|------------------|-------|
| 4"     | .045"     | 5/8"   | 19,000  | 50  | 22011            | –                | –     |
| 4-1/2" | .045"     | 7/8"   | 13,300  | 50  | 22021            | 23334            | 22345 |
| 4-1/2" | .045"     | 5/8-11 | 13,300  | 10  | 23318            | 23322            | 23320 |
| 5"     | .045"     | 7/8"   | 12,200  | 50  | 22071            | 23335            | 22350 |
| 5"     | .045"     | 5/8-11 | 12,200  | 10  | 23305            | 23309            | 23307 |
| 6"     | .045"     | 7/8"   | 10,200  | 50  | 22047            | 23336            | 22360 |
| 6"     | .045"     | 5/8-11 | 10,200  | 10  | 22147 <b>NEW</b> | 23436 <b>NEW</b> | –     |
| 7"     | .045"     | 7/8"   | 8,500   | 50  | 22053            | 23337            | 22370 |

### TECH INFO

- Unique, thin Type 27 / Type 42 shape can be used on all angle grinders in accordance with ANSI B7.1
- Unique formulations offer the fastest cutting, longest lasting thin wheels
- Externally reinforced with fiberglass layers to provide ultimate safety in a thin wheel
- Proprietary bonding system allows for faster, burr free cuts



Type 27 / Type 42



5/8-11 Hub



Angle Grinder

Reusable 5/8-11 adapter for use on Type 1 / Type 41 and Type 27 / Type 42 reinforced wheels with a 7/8 arbor, a maximum diameter of 5" and a wheel thickness of .045" to 1/8" available in accessories. Part #95055 Page 130



# .045" CUTTING WHEELS



## HIGH PERFORMANCE

### SAITECH™

- High performance, ceramic aluminum oxide grain
- Uniform, high density grain structure is extremely durable and self sharpening
- Fast cutting with extremely long life

**STAINLESS** Stainless steel, high tensile alloys

**METAL** Ferrous and/or non-ferrous metals



## PREMIUM PERFORMANCE

### THE ULTIMATE CUT™

- Best in class for cutting a wide range of stainless thin & thick gauge, flat stock, bar stock, square tubing, etc.
- Exceptional cutting performance on metal and aluminum

**STAINLESS** Stainless steel, high tensile alloys

**METAL** Ferrous metals (iron, steel, welds, etc)

**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc)



## PREMIUM PERFORMANCE

### THE ULTIMATE CERAMIC™

- Premium ceramic aluminum oxide grain
- Exceptionally long lasting on carbon steel, stainless steel, and hard to grind alloys
- Maximizes productivity on metal and stainless

**METAL** Ferrous and/or non-ferrous metals (iron, steel, welds, etc)

**STAINLESS** Stainless steel, high tensile alloys



contaminant **cf** free

## CONTAMINANT FREE

### XA46R

- Specially formulated for nuclear and food processing plants
- Specially formulated for contaminant-free cutting on stainless steel
- Free of iron, chlorine and sulphur compounds (Fe + Cl + S < 0.1%)
- All wheels are 1/16" thick
- Only available in Type 1 / Type 41

**STAINLESS** Stainless steel & other high tensile alloys

## TYPE 1 / TYPE 41

| DIA    | THICKNESS | ARBOR | MAX RPM | QTY | SAITECH™ | ULTIMATE CUT™ | ULTIMATE CERAMIC™ CUT-OFF | XA46R |
|--------|-----------|-------|---------|-----|----------|---------------|---------------------------|-------|
| 4"     | .045"     | 5/8"  | 19,000  | 50  | 23172    | –             | –                         | –     |
| 4-1/2" | .045"     | 7/8"  | 13,300  | 50  | 23174    | 22230         | 22480                     | –     |
| 4-1/2" | 1/16"     | 7/8"  | 13,300  | 50  | –        | –             | –                         | 24251 |
| 5"     | .045"     | 7/8"  | 12,200  | 50  | 23177    | 22235         | 22481                     | –     |
| 5"     | 1/16"     | 7/8"  | 12,200  | 50  | –        | –             | –                         | 24252 |
| 6"     | .045"     | 5/8"  | 10,200  | 50  | 23181    | –             | –                         | –     |
| 6"     | .045"     | 7/8"  | 10,200  | 50  | 23182    | 22240         | 22482                     | –     |
| 6"     | 1/16"     | 7/8"  | 10,200  | 50  | –        | –             | –                         | 24253 |
| 7"     | .045"     | 5/8"  | 8,500   | 50  | 23184    | –             | –                         | –     |
| 7"     | 1/16"     | 7/8"  | 8,500   | 50  | –        | –             | –                         | 24254 |

### TECH INFO

- Type 1 / Type 41 shape for square, burr-free cutting
- Externally reinforced with fiberglass layers to provide ultimate safety in a thin wheel
- Wide range of sizes available to fit both angle grinders and circular saws



Type 1 / Type 41



Angle Grinder



Circular Saw

## TYPE 27 / TYPE 42

| DIA    | THICKNESS | ARBOR  | MAX RPM | QTY | SAITECH™         | ULTIMATE CUT™    | ULTIMATE CERAMIC™ CUT-OFF |
|--------|-----------|--------|---------|-----|------------------|------------------|---------------------------|
| 4"     | .045"     | 5/8"   | 19,000  | 50  | 22068            | –                | –                         |
| 4-1/2" | .045"     | 7/8"   | 13,300  | 50  | 22072            | 22380            | 22470                     |
| 4-1/2" | .045"     | 5/8-11 | 13,300  | 10  | 23319            | 23321            | 22570                     |
| 5"     | .045"     | 7/8"   | 12,200  | 50  | 22073            | 22385            | 22471                     |
| 5"     | .045"     | 5/8-11 | 12,200  | 10  | 23306            | 23308            | 22571                     |
| 6"     | .045"     | 7/8"   | 10,200  | 50  | 22082            | 22390            | 22472                     |
| 6"     | .045"     | 5/8-11 | 10,200  | 10  | 22182 <b>NEW</b> | 22490 <b>NEW</b> | 22572 <b>NEW</b>          |
| 7"     | .045"     | 7/8"   | 8,500   | 50  | 22088            | –                | –                         |

### TECH INFO

- Thin cutting wheel in a Type 27 / Type 42 shape makes this perfect for your angle grinder
- Designed to provide very long life for fewer wheel changes and less downtime
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance



Type 27 / Type 42



5/8-11 Hub



Angle Grinder

Reusable 5/8-11 adapter for use on Type 1 / Type 41 and Type 27 / Type 42 reinforced wheels with a 7/8 arbor, a maximum diameter of 5" and a wheel thickness of .045" to 1/8" available in accessories. Part #95055 Page 130

# .090" CUTTING & NOTCHING WHEELS



## GENERAL PURPOSE

### A60S

- Thin .090 width
- Special aluminum oxide grain
- Hard bond for extremely long life
- Excellent for notching and cutting

#### METAL

Ferrous and/or non-ferrous metals (iron, steel, welds, etc.)



## HIGH PERFORMANCE

### Z-TECH™

- Tough zirconium grain
- High performance cutting and notching for the toughest applications

#### METAL

Ferrous metals (iron, steel, welds, etc.)

#### STAINLESS

Stainless steel, high tensile alloys



## PREMIUM PERFORMANCE

### SAITECH ULTIMATE PERFORMANCE™

- Premium performance, ceramic aluminum oxide grain
- Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut
- Combines fast stock removal with long life for tough cutting applications
- Ideal for foundry applications (gates, risers)
- Only available in Type 27 / Type 42

#### STAINLESS

Stainless steel, high tensile alloys

#### METAL

Ferrous metals (iron, steel, welds, etc.)



## TYPE 1 / TYPE 41

| DIA    | THICKNESS | ARBOR | MAX RPM | QTY | A60S  | Z-TECH™ |
|--------|-----------|-------|---------|-----|-------|---------|
| 4-1/2" | .090"     | 7/8"  | 13,300  | 25  | 23804 | 23824   |
| 5"     | .090"     | 7/8"  | 12,200  | 25  | –     | 23825   |
| 6"     | .090"     | 7/8"  | 10,200  | 25  | 23806 | 23826   |
| 7"     | .090"     | 5/8"  | 8,500   | 25  | 23807 | 23827   |

### TECH INFO

- Type 1 / Type 41 shape for square, burr-free cutting and notching
- Externally reinforced with the highest quality fiberglass to withstand the toughest applications
- Available in multiple arbor sizes to fit a wide variety of tools



Type 1 / Type 41



Angle Grinder



Circular Saw

## TYPE 27 / TYPE 42

| DIA    | THICKNESS | ARBOR  | MAX RPM | QTY | A60S  | Z-TECH™ | SAITECH ULTIMATE PERFORMANCE™ |
|--------|-----------|--------|---------|-----|-------|---------|-------------------------------|
| 4-1/2" | .090"     | 7/8"   | 13,300  | 25  | 20903 | 20943   | 20923                         |
| 4-1/2" | .090"     | 5/8-11 | 13,300  | 10  | 20913 | 20953   | 20933                         |
| 5"     | .090"     | 7/8"   | 12,200  | 25  | 20904 | 20944   | –                             |
| 5"     | .090"     | 5/8-11 | 12,200  | 10  | 20914 | 20954   | –                             |
| 6"     | .090"     | 7/8"   | 10,200  | 25  | 20905 | 20945   | –                             |
| 6"     | .090"     | 5/8-11 | 10,200  | 10  | 20915 | 20955   | –                             |
| 7"     | .090"     | 7/8"   | 8,500   | 25  | 20906 | 20946   | –                             |
| 7"     | .090"     | 5/8-11 | 8,500   | 10  | 20916 | 20956   | –                             |
| 9"     | .090"     | 7/8"   | 6,600   | 25  | 20909 | –       | –                             |
| 9"     | .090"     | 5/8-11 | 6,600   | 10  | 20919 | –       | –                             |

### TECH INFO

- Unique, thin Type 27 / Type 42 shape can be used on all angle grinders in accordance with ANSI B7.1
- Special bond formulation offers the fastest cutting, longest lasting thin wheels
- Externally reinforced with fiberglass layers to provide ultimate safety in a thin wheel



Type 27 / Type 42



5/8-11 Hub



Angle Grinder

Reusable 5/8-11 adapter for use on Type 1 / Type 41 and Type 27 / Type 42 reinforced wheels with a 7/8 arbor, a maximum diameter of 5" and a wheel thickness of .045" to 1/8" available in accessories. Part #95055 Page 130

# .095" ULTIMATE COMBO WHEELS

## 4 APPLICATIONS WITH 1 WHEEL

### CUTTING



### NOTCHING



### DEBURRING



### LIGHT GRINDING



## GENERAL PURPOSE

### A60S

- Aluminum oxide grain
- Provides consistent performance with long life for cutting, notching, deburring, and light grinding

#### METAL

Ferrous metals (steel, angle iron, rebar)



## HIGH PERFORMANCE

### Z-TECH™

- Tough zirconium grain
- High performance cutting, notching, deburring, and light grinding for the toughest applications

#### METAL

Ferrous metals (iron, steel, welds, etc.)

#### STAINLESS

Stainless steel, high tensile alloys

| DIA    | THICKNESS | ARBOR  | MAX RPM | QTY | A60S ULTIMATE COMBO™ | Z-TECH ULTIMATE COMBO™ |
|--------|-----------|--------|---------|-----|----------------------|------------------------|
| 4-1/2" | .095"     | 7/8"   | 13,300  | 25  | 22320                | 22330                  |
| 4-1/2" | .095"     | 5/8-11 | 13,300  | 10  | 22420                | 22430                  |
| 5"     | .095"     | 7/8"   | 12,200  | 25  | 22325                | 22335                  |
| 6"     | .095"     | 7/8"   | 10,200  | 25  | 22326                | 22336                  |
| 6"     | .095"     | 5/8-11 | 10,200  | 10  | 22426                | 22436                  |

### TECH INFO

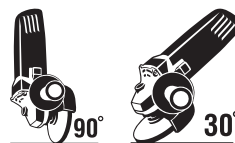
- Increases productivity: 1 wheel to cut, notch, debur, and light grind
- Two formulas for a wide variety of applications and maintenance work
- Additional reinforcement for added strength and versatility
- Ideal product for use on cordless right angle grinders



Type 27 / Type 42



5/8-11 Hub



Angle Grinder



## GENERAL PURPOSE A24R

- Aluminum oxide grain
- For general purpose cutting
- Combines fast cutting with long life

**METAL** Ferrous metals (iron, steel, welds, etc.)



## HIGH PERFORMANCE Z-TECH™

- Tough zirconium grain
- High performance cutting for the toughest applications

**METAL** Ferrous metals (iron, steel, welds, etc.)

**STAINLESS** Stainless steel, high tensile alloys



## PREMIUM PERFORMANCE SAITECH ULTIMATE PERFORMANCE™

- High performance, ceramic aluminum oxide grain
- Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut
- Combines fast stock removal with long life for tough cutting applications
- Ideal for foundry applications (gates, risers)

**STAINLESS** Stainless steel, high tensile alloys

**METAL** Ferrous metals (iron, steel, welds, etc.)

| DIA    | THICKNESS | ARBOR  | MAX RPM | QTY | A24R  | Z-TECH™ | SAITECH ULTIMATE PERFORMANCE™ |
|--------|-----------|--------|---------|-----|-------|---------|-------------------------------|
| 3"     | 1/8"      | 3/8"   | 18,000  | 25  | 22000 | –       | –                             |
| 4"     | 1/8"      | 3/8"   | 13,500  | 25  | 22010 | –       | –                             |
| 4-1/2" | 3/32"     | 7/8"   | 13,300  | 25  | 22020 | 22641   | 22064                         |
| 4-1/2" | 3/32"     | 5/8-11 | 13,300  | 10  | 22120 | 22651   | 22069                         |
| 5"     | 3/32"     | 7/8"   | 12,200  | 25  | 22070 | –       | 22074                         |
| 5"     | 3/32"     | 5/8-11 | 12,200  | 10  | 22170 | –       | 22079                         |
| 6"     | 1/8"      | 7/8"   | 10,200  | 25  | 22045 | –       | –                             |
| 6"     | 3/32"     | 7/8"   | 10,200  | 25  | –     | 22644   | –                             |
| 6"     | 3/32"     | 5/8-11 | 10,200  | 10  | –     | 22654   | –                             |
| 7"     | 3/32"     | 7/8"   | 8,500   | 25  | 22056 | –       | 22084                         |
| 7"     | 3/32"     | 5/8-11 | 8,500   | 10  | 22057 | –       | 22089                         |
| 9"     | 3/32"     | 7/8"   | 6,600   | 25  | 22066 | –       | 22094                         |
| 9"     | 3/32"     | 5/8-11 | 6,600   | 10  | 22067 | –       | 22099                         |

### TECH INFO

- Aggressive cutting performance over a wide range of applications
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry
- Designed to provide very long life for fewer wheel changes and less downtime



Type 27 / Type 42



5/8-11  
Super-Lock™ Hub



Angle Grinder



# 3/32" & 1/8" CUTTING WHEELS



## CONCRETE

### C24R

- Silicon carbide grain
- General purpose cutting, hard bond for long life
- Special silicon carbide grain formula is excellent for cutting masonry, concrete, stone, and aggregate

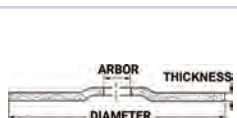
**CONCRETE** Masonry, concrete, stone

**METAL** Cast iron and other ferrous metals

| DIA    | THICKNESS | ARBOR    | MAX RPM | QTY | C24R  |
|--------|-----------|----------|---------|-----|-------|
| 4-1/2" | 3/32"     | 7/8"     | 13,300  | 25  | 22025 |
| 4-1/2" | 3/32"     | 5/8"-11" | 13,300  | 10  | 22125 |

## TECH INFO

- Aggressive cutting performance over a wide range of applications
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry



Type 27 / Type 42



5/8-11  
Super-Lock™ Hub



Angle Grinder



contaminant **cf** free

## CONTAMINANT-FREE

### XA24Q

- Specially formulated for nuclear and food processing plants
- Free of iron, chlorine and sulphur compounds (Fe + Cl + S < 0.1%)
- Contaminant-free cutting on stainless steel

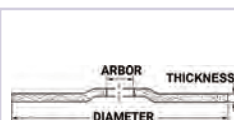
**STAINLESS** Stainless steel and other high tensile alloys

**METAL** Ferrous metals (iron, steel, welds, etc.)

| DIA    | THICKNESS | ARBOR | MAX RPM | QTY | XA24Q |
|--------|-----------|-------|---------|-----|-------|
| 4-1/2" | 1/8"      | 7/8"  | 13,300  | 25  | 24310 |
| 5"     | 1/8"      | 7/8"  | 12,200  | 25  | 24315 |
| 6"     | 1/8"      | 7/8"  | 10,200  | 25  | 24320 |
| 7"     | 1/8"      | 7/8"  | 8,500   | 25  | 24325 |
| 9"     | 1/8"      | 7/8"  | 6,600   | 25  | 24330 |

## TECH INFO

- Aggressive cutting performance over a wide range of applications
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance



Type 27



Angle Grinder



## A36T

- Aluminum oxide grain
- Hard bond for aggressive cutting on rough applications

**METAL** Ferrous metals (iron, steel, welds, etc.)

**STAINLESS** Stainless steel

| DIA | THICKNESS | ARBOR  | MAX RPM | QTY | A36T   |
|-----|-----------|--------|---------|-----|--------|
| 6"  | 1/16"     | 1/2"   | 10,186  | 50  | 23202  |
| 6"  | 1/16"     | 5/8"   | 10,186  | 50  | 23200  |
| 6"  | .035"     | 7/8"   | 10,186  | 50  | 23210  |
| 7"  | 1/16"     | 1-1/4" | 8,732   | 50  | 23250* |
| 7"  | 1/16"     | 5/8"   | 8,732   | 50  | 23265  |
| 7"  | .035"     | 1-1/4" | 8,732   | 50  | 23252* |

\* These sizes are typically used for tool room applications



## A60T

- Hard bond for smooth cutting
- For use in nuclear, aerospace, automotive, foundry industries, and plant maintenance

**METAL** Ferrous metals (iron, steel, welds, etc.)

**STAINLESS** High tensile metals

| DIA | THICKNESS | ARBOR  | MAX RPM | QTY | A60T   |
|-----|-----------|--------|---------|-----|--------|
| 6"  | .035"     | 7/8"   | 10,186  | 50  | 23211  |
| 7"  | 1/16"     | 1-1/4" | 8,732   | 50  | 23251* |
| 7"  | 1/16"     | 5/8"   | 8,732   | 50  | 23266  |
| 7"  | .035"     | 1-1/4" | 8,732   | 50  | 23253* |
| 8"  | 1/16"     | 5/8"   | 7,640   | 50  | 23276  |

\* These sizes are typically used for tool room applications

### TECH INFO

- Type 1 / Type 41 shape for square, burr-free cutting
- Externally reinforced with fiberglass layers to provide ultimate safety in a thin wheel
- Wide range of grit sizes available for aggressive action to burr-free cutting



Type 1 / Type 41

# THIN HIGH SPEED CUT-OFF



## GENERAL PURPOSE 1/8"

### A24R

- Aluminum oxide grain
- General purpose, long life

**METAL** Ferrous metals (iron, steel, welds, etc.)



## FAST CUTTING

### A36T

- Aluminum oxide grain
- Hard bond for aggressive cutting on rough applications

**METAL** Ferrous metals (iron, steel, welds, etc.)

**STAINLESS** Stainless steel



## BURR FREE

### A60T

- Hard bond for smooth cutting
- For use in nuclear, aerospace, automotive, foundry industries, and plant maintenance

**METAL** Ferrous metals (iron, steel, welds, etc.)

**STAINLESS** High tensile metals



## PREMIUM PERFORMANCE

### SAITECH ULTIMATE PERFORMANCE™

- High performance, ceramic aluminum oxide grain
- Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut
- High Performance
- Combines fast cutting with extremely long life

**STAINLESS** Stainless steel, high tensile alloys

**METAL** Ferrous and/or non-ferrous metals



| DIA    | THICKNESS | ARBOR | MAX RPM | QTY | A24R<br>General<br>Purpose | A36T<br>Fast<br>Cutting | A60T<br>Burr Free | SAITECH<br>ULTIMATE<br>PERFORMANCE™ |
|--------|-----------|-------|---------|-----|----------------------------|-------------------------|-------------------|-------------------------------------|
| 2"     | 1/16"     | 1/4"  | 30,558  | 50  | –                          | 23004                   | 23005             | –                                   |
| 2"     | 1/16"     | 3/8"  | 30,558  | 50  | –                          | 23002                   | 23003             | –                                   |
| 2"     | .035"     | 1/4"  | 30,558  | 100 | –                          | 23012                   | 23013             | –                                   |
| 2"     | .035"     | 3/8"  | 30,558  | 100 | –                          | 23010                   | 23011             | –                                   |
| 2-1/2" | 1/16"     | 1/4"  | 24,446  | 50  | –                          | 23022                   | 23023             | –                                   |
| 2-1/2" | 1/16"     | 3/8"  | 24,446  | 50  | –                          | 23020                   | 23021             | –                                   |
| 2-1/2" | .035"     | 1/4"  | 24,446  | 100 | –                          | 23032                   | 23033             | –                                   |
| 2-1/2" | .035"     | 3/8"  | 24,446  | 100 | –                          | 23030                   | 23031             | –                                   |
| 3"     | 1/16"     | 1/4"  | 25,000  | 50  | –                          | 23042                   | 23043             | 23142                               |
| 3"     | 1/16"     | 3/8"  | 25,000  | 50  | –                          | 23040                   | 23041             | 23140                               |
| 3"     | .035"     | 1/4"  | 25,000  | 100 | –                          | 23052                   | 23053             | 23152                               |
| 3"     | .035"     | 3/8"  | 25,000  | 100 | –                          | 23050                   | 23051             | 23150                               |
| 3"     | 1/8"      | 3/8"  | 20,372  | 25  | 23060                      | –                       | –                 | –                                   |
| 4"     | 1/16"     | 1/4"  | 19,000  | 50  | –                          | 23067                   | 23068             | 23167                               |
| 4"     | 1/16"     | 3/8"  | 19,000  | 50  | –                          | 23065                   | 23066             | 23165                               |
| 4"     | 1/16"     | 5/8"  | 19,000  | 50  | –                          | 23061                   | 23062             | 23161                               |
| 4"     | .035"     | 1/4"  | 19,000  | 100 | –                          | 23071                   | 23072             | 23171                               |
| 4"     | .035"     | 3/8"  | 19,000  | 100 | –                          | 23069                   | 23070             | 23169                               |
| 4"     | .035"     | 5/8"  | 19,000  | 100 | –                          | 23063                   | 23064             | 23163                               |
| 4"     | 1/8"      | 3/8"  | 15,278  | 25  | 23075                      | –                       | –                 | –                                   |

1/4" shank adapters for wheels up to 3" diameter available on page 130

## TECH INFO

- Type 1 / Type 41 shape for square, burr-free cutting
- Externally reinforced with fiberglass layers to provide ultimate safety in a thin wheel



Type 1 / Type 41



Die Grinder

# SMALL DIAMETER PORTABLE SAW CUT-OFF WHEELS



## GENERAL PURPOSE

### A24R

- Special aluminum oxide grain
- Provides consistent performance with long life
- Versatile dia. (5/8") arbor contains diamond knockout for use on circular saw or worm drive saw

**METAL** Ferrous metals (steel, angle iron, rebar)



## LONG LIFE

### A30S

- Special aluminum oxide grain formula
- Fast, non-binding cutting

**METAL** Ferrous metals

**STAINLESS** Stainless steel, high tensile alloys



## CONCRETE

### C24R

- Silicon carbide grain
- Long life
- Versatile dia. (5/8") arbor contains diamond knockout for use on circular saw or worm drive saw

**CONCRETE** Stone, brick, soft aggregate, masonry, concrete

| DIA    | THICKNESS | ARBOR       | MAX RPM | QTY | A24R  | A30S  | C24R  |
|--------|-----------|-------------|---------|-----|-------|-------|-------|
| 4-1/2" | 5/64"     | 7/8"        | 13,300  | 50  | –     | 23102 | –     |
| 4-1/2" | 3/32"     | 7/8"        | 13,300  | 50  | 23100 | –     | –     |
| 7"     | 3/32"     | Dia. (5/8") | 8,500   | 25  | 23234 | –     | 23235 |
| 8"     | 3/32"     | Dia. (5/8") | 7,600   | 25  | 23258 | –     | –     |

## TECH INFO

- Type 1 / Type 41 shape for square, burr-free cutting
- External fiberglass reinforcement withstands offhand and lateral pressure for added safety and controlled performance



Type 1 / Type 41



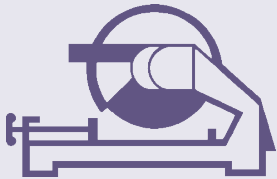
Circular Saw



Angle Grinder

# LARGE DIAMETER CUTTING WHEELS

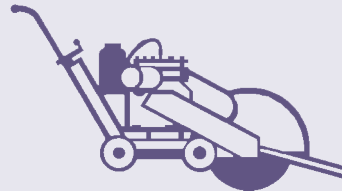
CUTTING WHEELS



**CHOP SAW  
WHEELS**



**PORTABLE  
SAW WHEELS**



**STREET  
SAW WHEELS**



**STATIONARY  
SAW WHEELS**

## KEY FEATURES

- **Chop Saw Blades:** Designed specifically for low horsepower chop saws for fast cutting and minimal pressure
- **Portable Saw Wheels:** Utilizes the highest quality fiberglass and premium abrasives for maximum safety in the most demanding applications
- **Street Saw Wheels:** Extremely dense wheel for use on street saws
- **Stationary Saw Wheels:** Engineered for higher power stationary saws, allowing for maximum safety and controlled performance when cutting through large pieces of solid stock



# CHOP SAW WHEELS



## FAST CUTTING

### EZ-CHOP ATTACKER®

- Aluminum oxide grain
- General purpose economy cutting
- Fast cutting on thin metals

**METAL** Metal studding, thin rebar, light gauge and medium metals



## BURR FREE

### EZ-CHOP®

- Aluminum oxide grain
- General purpose cool cutting on thin metals
- Burr-free finish
- Externally reinforced with the highest quality fiberglass to withstand the toughest applications

**METAL** Metal studding, thin rebar, light gauge and heavy metals



## GENERAL PURPOSE

### IRON WORKER™

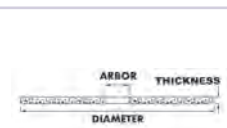
- Aluminum oxide grain
- Fast cutting
- Excellent for use on angle iron, channel iron, heavy rebar, and other ferrous metals

**METAL** Structural metal applications

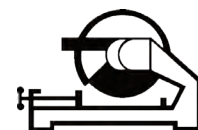
| DIA | THICKNESS | ARBOR | MAX RPM | QTY | EZ-CHOP ATTACKER® | EZ-CHOP® | IRON WORKER™ |
|-----|-----------|-------|---------|-----|-------------------|----------|--------------|
| 12" | 3/32"     | 1"    | 5,100   | 10  | —                 | 24034    | 24031        |
| 14" | 3/32"     | 1"    | 4,400   | 10  | 24500             | 24039    | 24051        |
| 16" | 3/32"     | 1"    | 3,700   | 10  | —                 | —        | 24011        |

## TECH INFO

- Use EZ-Chop® or EZ-Chop Attacker® as an economical alternative for general purpose cutting
- All blades are constructed using the highest quality fiberglass to withstand the toughest applications
- Specially formulated for use on low horsepower chop saw machines for fast cutting with minimal pressure



Type 1 / Type 41



Chop Saw



## HIGH PERFORMANCE

### Z-TECH™

- Special zirconium grain formula
- Fast, non-binding cutting
- Internally reinforced with the highest quality fiberglass to withstand the toughest applications

**METAL** Ferrous metals  
**STAINLESS** Stainless steel, high tensile alloys



## PREMIUM PERFORMANCE

### SAITECH STEEL WORKER®

- Manufactured with premium ceramic grain
- Extremely fast, burr-free cutting
- Designed to outlast standard aluminum oxide wheels

**STAINLESS** Stainless steel, high tensile alloys  
**METAL** Ferrous metals (iron, steel, welds, etc.)



## SPECIALTY

### STUD KING®

- Aluminum oxide grain
- General purpose cool cutting on thin metals
- Burr-free finish

**METAL** Metal studding, thin rebar, light gauge metals



## SPECIALTY

### A46N - ALUMINUM

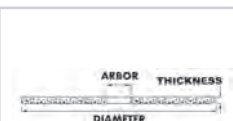
- Aluminum oxide grain
- Special non-loading formulation

**ALUMINUM** Non-ferrous metals (aluminum, bronze, brass, etc.)

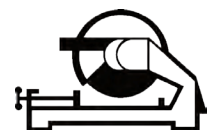
| DIA | THICKNESS | ARBOR | MAX RPM | QTY | Z-TECH™ | SAITECH STEEL WORKER® | STUD KING® | A46N  |
|-----|-----------|-------|---------|-----|---------|-----------------------|------------|-------|
| 10" | 3/32"     | 5/8"  | 6,100   | 25  | —       | —                     | 24035      | —     |
| 12" | 3/32"     | 1"    | 5,100   | 10  | —       | 24033                 | 24030      | —     |
| 14" | 3/32"     | 1"    | 4,400   | 10  | 24414   | 24053                 | 24050      | 24052 |
| 16" | 3/32"     | 1"    | 3,700   | 10  | —       | 24013                 | 24010      | —     |

### TECH INFO

- All blades are constructed using the highest quality fiberglass to withstand the toughest applications
- Specialty formulas give you the exact wheel for your cutting application



Type 1 / Type 41



Chop Saw

# PORTABLE SAW WHEELS



## A24R

- Special aluminum oxide grain
- Provides consistent performance with long life

**METAL** Ferrous metals  
(steel, angle iron, rebar)



## XFC™

- Special aluminum oxide grain formula
- Fast cutting action
- Non-binding cutting formula

**METAL** Ferrous metals  
**STAINLESS** Stainless steel, high tensile alloys



## SAIT PRO

- Aluminum oxide grain
- Best value for a fast cut

**METAL** Ferrous metals



## BRUTE™

- Long life
- Extremely hard bond for cutting metals that present a very sharp edge to the wheel

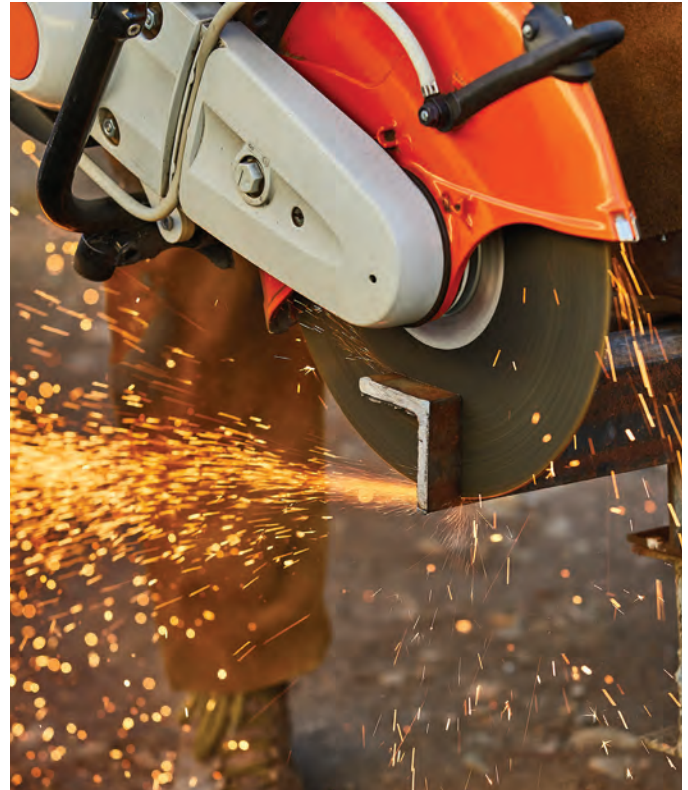
**METAL** Thin metal, sheet metal, decking, other ferrous metals



## HOBO®

- For use on high horsepower machines
- Rugged fiberglass reinforcement for maximum safety
- Excellent for the railroad industry

**METAL** Mainline, secondary, spur rail steel; Heavy sections of ferrous metals (I-beams, bar stock, etc.)



| DIA | THICKNESS | ARBOR | MAX RPM | QTY | A24R  | SAIT PRO METAL | BRUTE™ |
|-----|-----------|-------|---------|-----|-------|----------------|--------|
| 12" | 1/8"      | 20MM  | 6,300   | 10  | 23420 | 23421          | 23422  |
| 12" | 1/8"      | 1"    | 6,300   | 10  | 23410 | 23414          | 23412  |
| 14" | 1/8"      | 20MM  | 5,460   | 10  | –     | 24140          | –      |
| 14" | 1/8"      | 1"    | 5,400   | 10  | –     | 24135          | –      |

## HEAVY DUTY

| DIA | THICKNESS | ARBOR | MAX RPM | QTY | A24R  | XFC™  | BRUTE™ | HOBO® |
|-----|-----------|-------|---------|-----|-------|-------|--------|-------|
| 14" | 1/8"      | 20MM  | 5,460   | 10  | 23455 | 24160 | 23457  | –     |
| 14" | 1/8"      | 1"    | 5,400   | 10  | 23450 | 24150 | 23452  | 23501 |
| 16" | 1/8"      | 1"    | 4,800   | 10  | 23459 | –     | –      | 23502 |

Reducing bushings available on page 130





## SPECIALTY DUCTILE™

- Combination aluminum oxide and silicon carbide formulation
- Use the Ductile™ wheel for extra hard metals, hydraulic hose and PVC pipe

**METAL** Ductile pipe (very hard steel casing enclosing a cement lining), water mains, etc.

**CONCRETE** Combination metal/concrete, cast iron, hard metals, concrete coated steel, etc.



## GENERAL PURPOSE - CONCRETE C24R

- Silicon carbide grain
- Long life

**CONCRETE** Stone, brick, soft aggregate, masonry, concrete, schedule 40 and schedule 80 PVC pipe



## MASONRY, ASPHALT, CONCRETE BIG M.A.C.™

- Special silicon carbide grain
- Superior cutting action
- 40% longer life than general purpose concrete wheels

**CONCRETE** Masonry, asphalt, concrete

| DIA | THICKNESS | ARBOR | MAX RPM | QTY | DUCTILE™ | C24R  | BIG M.A.C.™ |
|-----|-----------|-------|---------|-----|----------|-------|-------------|
| 12" | 1/8"      | 20MM  | 6,300   | 10  | 23425    | 23423 | 23462       |
| 12" | 1/8"      | 1"    | 6,300   | 10  | 23415    | 23413 | 23460       |

## HEAVY DUTY

| DIA | THICKNESS | ARBOR | MAX RPM | QTY | DUCTILE™ | C24R  | BIG M.A.C.™ |
|-----|-----------|-------|---------|-----|----------|-------|-------------|
| 14" | 1/8"      | 20MM  | 5,460   | 10  | 23458    | 23456 | 23464       |
| 14" | 1/8"      | 1"    | 5,400   | 10  | 23453    | 23451 | 23463       |
| 16" | 1/8"      | 1"    | 4,800   | 10  | 23480    | 23461 | —           |

### TECH INFO

- Heavy Duty Wheels: Designed with greater amounts of reinforcement for use on high-speed gas powered saws
- Type 1 / Type 41 shape is ideal for square, burr-free cutting
- Available in multiple arbor sizes to fit a wide variety of tools



Type 1 / Type 41



Portable Saw

Reducing bushings available on page 130

# 9" PORTABLE SAW WHEELS

For use on 9" cordless electric portable saws.



## GENERAL PURPOSE A60S

- Special aluminum oxide grain
- Extremely fast burr-free cutting with long life
- Exceptional performance

**METAL** Ferrous and/or non-ferrous metals (iron, steel, stud, rebar, etc.)



## PREMIUM PERFORMANCE THE ULTIMATE CERAMIC CUT-OFF™

- Premium ceramic aluminum oxide grain
- Exceptionally long-lasting design that maximizes productivity for fewer wheel changes

**METAL** Ferrous and/or non-ferrous metals (iron, steel, stud, rebar, etc.)

**STAINLESS** Stainless steel, high tensile alloys



## GENERAL PURPOSE **\*\*NEW\*\*** CONCRETE

- Designed for cutting concrete with rebar and other concrete applications
- Features premium diamond segments for longer blade life
- Can be used wet or dry

**CONCRETE** Cured concrete, brick, concrete block and pavers



Portable Saw



Type 1 / Type 41

| DIA | THICKNESS | ARBOR | MAX RPM | QTY | A60S  | ULTIMATE CERAMIC™ | GENERAL PURPOSE CONCRETE |
|-----|-----------|-------|---------|-----|-------|-------------------|--------------------------|
| 9"  | 5/64"     | 7/8"  | 6,600   | 25  | 23405 | 20229             | —                        |
| 9"  | .090"     | 7/8"  | 6,790   | 1   | —     | —                 | 48798                    |

**\*\*NEW\*\***



## GENERAL PURPOSE C16

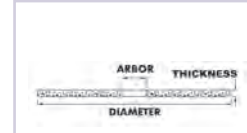
- Silicon carbide grain
- Fast, free cutting

**CONCRETE** Green concrete, asphalt

| DIA | THICKNESS | ARBOR | MAX RPM | QTY | C16   |
|-----|-----------|-------|---------|-----|-------|
| 14" | 3/16"     | 1"    | 4,400   | 5   | 24061 |

TECH INFO

- All wheels have a pinhole for mounting on various machines, street saws, etc.
- These wheels can be used with cooling sprays for dust-free cutting needs
- Cutting wheels are balanced to provide straight cuts



Type 1 / Type 41



Street Saw



## FAST CUTTING A24N

- Aluminum oxide grain
- General purpose
- Soft bond for fast stock removal

**METAL** Ferrous metals  
(iron, cast iron, etc.)

**STAINLESS** Low grade stainless steel



## BURR-FREE A36R

- Aluminum oxide grain
- A finer grit for burr-free finish

**METAL** Ferrous metals  
(metal tubing, etc.)

**STAINLESS** Stainless steel,  
high tensile steel



## GENERAL PURPOSE A24R

- Aluminum oxide grain
- General purpose, long life

**METAL** Ferrous metals  
(iron, steel, angle iron, etc.)



## CONCRETE C24R

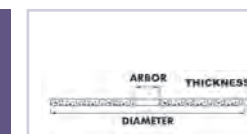
- Silicon carbide grain
- General purpose, long life
- Square cutting

**CONCRETE** Masonry, concrete,  
stone, brick

| DIA | THICKNESS | ARBOR | MAX RPM | QTY | A24N  | A24R  | A36R  | C24R  |
|-----|-----------|-------|---------|-----|-------|-------|-------|-------|
| 10" | 1/8"      | 5/8"  | 6,100   | 25  | –     | –     | 24002 | 24003 |
| 12" | 1/8"      | 1"    | 5,100   | 10  | –     | 24020 | –     | –     |
| 14" | 1/8"      | 1"    | 4,400   | 10  | –     | 24040 | –     | –     |
| 16" | 5/32"     | 1"    | 3,800   | 10  | –     | 24070 | –     | –     |
| 18" | 3/16"     | 1"    | 3,400   | 5   | 24081 | 24080 | 24082 | –     |
| 20" | 3/16"     | 1"    | 3,000   | 5   | 24091 | 24090 | 24092 | –     |
| 24" | 1/4"      | 1"    | 3,150   | 5   | 24101 | 24100 | 24102 | –     |

TECH INFO

- Type 1 / Type 41 shape for square, burr-free cutting
- Internal fiberglass reinforcement for maximum safety and controlled performance
- Dual external mounting area reinforcement on 14" to 24" wheels
- Special grain to fiberglass ratio provides added safety and excellent cutting performance on heavy-duty stationary saws
- Cutting wheels are balanced to provide straight, even cuts



Type 1 / Type 41

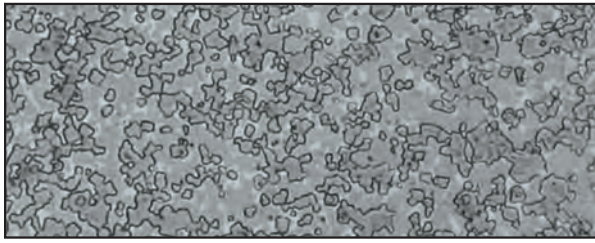


Stationary Saw



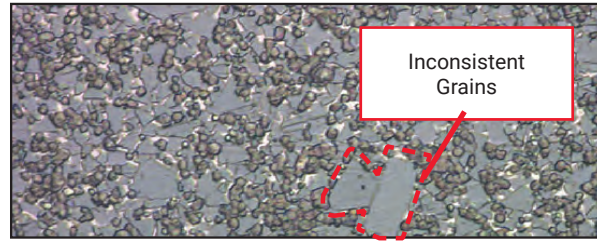
## TECHNICAL INFORMATION

### CARBIDE GRAIN STRUCTURE



#### SAIT Carbide Matrix

- Consistent size of carbide grains.
- More carbide per tooth as grains are smaller.
- Smaller grain = harder tooth, more durability.



#### Competitor Carbide Matrix

- Very inconsistent size of carbide grains.
- Less life due to larger grain sizes.

### TOOTH CONFIGURATION

#### Triple Chip Grind (TCG)



- **FEATURE:** Maximizes blade life by reducing the size of the metal chips that are produced during the cutting operations. Also provides maximum tooth strength for longer life.
- **BENEFIT:** Cleaner and cooler cuts; less stress on material being cut.
- **WHERE USED:** Steelworker® (all sizes), 7-1/4" Stainless, 8", 10" and 12" aluminum blades.

#### Alternate Top Bevel (ATB)



- **FEATURE:** A multi-purpose grind that allows for durable, long life as well as productive work across a wide range of materials.
- **BENEFIT:** Clean, easy cutting without binding in the material.
- **WHERE USED:** 6-1/2" and 7-1/4" TMX, and 14" aluminum blades.

#### Modified Triple Chip Grind (MTCG)



- **FEATURE:** Excels at reducing chip size for more effective cutting of material. Also improves cutting tooth durability.
- **BENEFIT:** Lower heat build-up and less blade stress while cutting.
- **WHERE USED:** 12" and 14" TMX and 14" stainless steel blades.

### BLADE OPERATION TIPS

- Be sure to mount the blade with the rotational arrow positioned the same direction as the tool rotates
- Follow circular saw manufacturer's warnings and instruction manual
- Check blade prior to use for any visible cracks, loose or missing teeth, etc. and change blade if found
- Use blade only on recommended material
- Mount blade between designated sides of blade washers matching arbor size and shape
- Always wear ANSI-approved eye protection and proper protective equipment
- Always wear gloves
- Adjust foot-plate of the saw to proper depth (check circular saw manual - 3 teeth exposed below material surface is a common rule of thumb)
- Always work in a clean and unobstructed work environment
- Never operate saw without working blade guard
- Do not use excessive pressure when cutting (this causes the blade to wear prematurely)
- Tighten blade bolt as instructed by saw manufacturer

# METAL-CUTTING CARBIDE BLADES

CUTTING WHEELS



**LONG LIFE**



**COOL CUTTING**



**FAST, BURR-FREE  
CUTTING**

## KEY FEATURES

- Designed for use on professional metal-cutting saws
- Premium micro grain carbide: Smaller grains mean more carbide per tooth – stays sharp and provides longer life over competitive blades
- Cuts cool and fast
- Reduced fire hazards and less dust: Metal blades cut cleanly with minimal sparks

# METAL-CUTTING CARBIDE BLADES

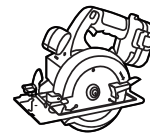


## STEEL WORKER®

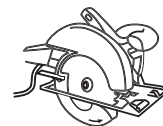
- Fast, burr free cutting on heavier gauge metals
- Cool cutting action with long life

### METAL

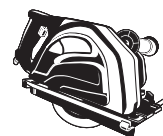
Angle iron, rebar, steel plate, channel iron, pipe, threaded rod, c-channel and other ferrous metals



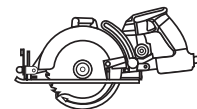
**Cordless Circular Saw**



**Circular Saw**



**Metal-Cutting Circular Saw**



**Worm Drive Saw**



**Low RPM Metal-Cutting Saw**

Blades must be run in the direction of the arrow as indicated on the blade.

### NOTE

| DIA            | TEETH | ARBOR                      | GRIND | MAX RPM | QTY | MACHINE                                 | PART # |
|----------------|-------|----------------------------|-------|---------|-----|-----------------------------------------|--------|
| 5-3/8" (137mm) | 30T   | 20MM (10MM & 5/8" BUSHING) | MTCG  | 4,200   | 1   | CORDLESS CIRCULAR SAW                   | 77915  |
| 6-1/2" (165mm) | 40T   | 5/8" (16mm)                | TCG   | 5,800   | 1   | CIRCULAR SAW                            | 77920  |
| 7" (178mm)     | 36T   | 20MM                       | TCG   | 5,800   | 1   | METAL-CUTTING CIRCULAR SAW              | 77936  |
| 7-1/4" (184mm) | 40T   | 5/8" (16mm) / Diamond      | MTCG  | 5,800   | 1   | CIRCULAR SAW; WORM DRIVE SAW            | 77930  |
| 8" (203mm)     | 42T   | 5/8" (16mm) / Diamond      | MTCG  | 5,800   | 1   | CIRCULAR SAW; WORM DRIVE SAW            | 77940  |
| 9" (229mm)     | 48T   | 1" (26mm)                  | TCG   | 3,200   | 1   | CIRCULAR SAW                            | 77947  |
| 10" (254mm)    | 52T   | 5/8" (16mm)                | TCG   | 5,200   | 1   | CIRCULAR SAW; LOW RPM METAL-CUTTING SAW | 77953  |
| 12" (305mm)    | 60T   | 1" (26mm)                  | TCG   | 2,000   | 1   | LOW RPM METAL-CUTTING SAW               | 77962  |
| 14" (356mm)    | 72T   | 1" (26mm)                  | MTCG  | 1,800   | 1   | LOW RPM METAL-CUTTING SAW               | 77972  |



## TMX - THIN METAL XTRA

- Fast, burr free cutting on thin gauge metals
- Cool cutting action with long life

### METAL

Thin metals, metal studs, duct work, sheet metals, galvanized roofing, thin walled pipe, conduit, strut channel

| DIA            | TEETH | ARBOR                 | GRIND | MAX RPM | QTY | MACHINE                      | PART # |
|----------------|-------|-----------------------|-------|---------|-----|------------------------------|--------|
| 6-1/2" (165mm) | 48T   | 5/8" (16mm)           | ATB   | 5,800   | 1   | CIRCULAR SAW                 | 77921  |
| 7-1/4" (184mm) | 68T   | 5/8" (16mm) / Diamond | ATB   | 5,800   | 1   | CIRCULAR SAW; WORM DRIVE SAW | 77931  |
| 12" (305mm)    | 80T   | 1" (26mm)             | MTCG  | 2,000   | 1   | LOW RPM METAL-CUTTING SAW    | 77965  |
| 14" (356mm)    | 90T   | 1" (26mm)             | MTCG  | 1,800   | 1   | LOW RPM METAL-CUTTING SAW    | 77975  |

### TECH INFO

- Designed for use on professional metal-cutting saws
- Premium micro grain carbide; Smaller grains mean more carbide per tooth – stays sharp and provides longer life over competitive blades
- Cuts cool and fast
- Metal blades cut cleanly with minimal sparks
- Reduced fire hazards and less dust

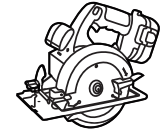




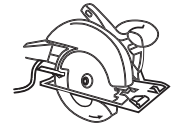
## STAINLESS

- Cool cutting action for minimal discoloration
- Fast, burr free cutting

**STAINLESS** Tubing, bars, pipe, and stainless steel plates



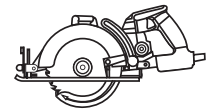
**Cordless  
Circular Saw**



**Circular Saw**



**Metal-Cutting  
Circular Saw**



**Worm Drive Saw**



**Low RPM  
Metal-Cutting Saw**

Blades must be run  
in the direction of the  
arrow as indicated on  
the blade.

**NOTE**

| DIA            | TEETH | ARBOR                 | GRIND | MAX<br>RPM | QTY | MACHINE                      | PART # |
|----------------|-------|-----------------------|-------|------------|-----|------------------------------|--------|
| 7" (178mm)     | 48T   | 20mm                  | TCG   | 5,800      | 1   | METAL-CUTTING CIRCULAR SAW   | 77938  |
| 7-1/4" (184mm) | 48T   | 5/8" (16mm) / Diamond | TCG   | 5,800      | 1   | CIRCULAR SAW; WORM DRIVE SAW | 77933  |
| 14" (356mm)    | 90T   | 1" (26mm)             | MTCG  | 1,800      | 1   | LOW RPM METAL-CUTTING SAW    | 77977  |



## ALUMINUM

- Cool cutting action with long life and minimal melting of aluminum
- Fast, burr free cutting

**ALUMINUM** Aluminum, other non-ferrous metals and pipe

| DIA            | TEETH | ARBOR                         | GRIND | MAX<br>RPM | QTY | MACHINES                                   | PART # |
|----------------|-------|-------------------------------|-------|------------|-----|--------------------------------------------|--------|
| 5-3/8" (137mm) | 50T   | 20mm<br>(10mm & 5/8" Bushing) | ATB   | 4,200      | 1   | CORDLESS CIRCULAR SAW                      | 77917  |
| 6-1/2" (165mm) | 60T   | 5/8" (16mm)                   | ATB   | 5,800      | 1   | CIRCULAR SAW                               | 77922  |
| 7" (178mm)     | 54T   | 20mm                          | ATB   | 5,800      | 1   | METAL-CUTTING CIRCULAR SAW                 | 77937  |
| 7-1/4" (184mm) | 60T   | 5/8" (16mm) / Diamond         | ATB   | 5,800      | 1   | CIRCULAR SAW; WORM DRIVE SAW               | 77932  |
| 8" (203mm)     | 60T   | 5/8" (16mm) / Diamond         | TCG   | 5,800      | 1   | CIRCULAR SAW; WORM DRIVE SAW               | 77942  |
| 10" (254mm)    | 80T   | 5/8" (16mm)                   | TCG   | 5,200      | 1   | CIRCULAR SAW; LOW RPM<br>METAL-CUTTING SAW | 77955  |
| 12" (305mm)    | 80T   | 1" (26mm)                     | TCG   | 2,000      | 1   | LOW RPM METAL-CUTTING SAW                  | 77966  |
| 14" (356mm)    | 80T   | 1" (26mm)                     | ATB   | 1,800      | 1   | LOW RPM METAL-CUTTING SAW                  | 77976  |



**LONG LIFE**



**COOL CUTTING**



**FAST, BURR-FREE  
CUTTING**

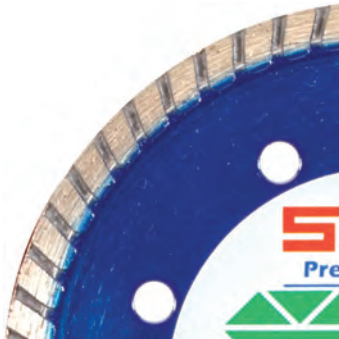
# SMALL DIAMETER DIAMOND BLADES



## CONTINUOUS RIM

- Thin .060 for precise tile cutting
- Continuous uniform rim for smooth, dry and wet cutting of tiles and ceramic materials
- Longer lasting and faster cutting
- For use on small diameter electric saws

**TILE & CERAMIC**

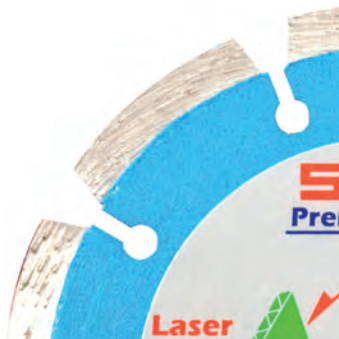


## SERRATED RIM

- Continuous rim with alternating serrations for fast, cool cutting wet or dry
- Smooth cutting of almost any aggregate material
- For use on small diameter electric saws

**CONCRETE** Concrete, ceramic, granite, brick, blocks, marble

|                     |                                                 |
|---------------------|-------------------------------------------------|
| <b>CE PREMIUM</b>   | General purpose cutting                         |
| <b>CC PREMIUM +</b> | Longer lasting and faster cutting premium wheel |



## SEGMENTED RIM

- Segmented rim allows for a cool cut
- Laser welded bonding to the metal core for cutting wet or dry

**CONCRETE** Concrete, ceramic, granite, brick, blocks, marble

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| <b>LU PREMIUM</b>   | General purpose dry cutting                         |
| <b>LV PREMIUM +</b> | Longer lasting and faster dry cutting premium wheel |

| DIA    | THICKNESS | ARBOR | MAX RPM | QTY | CONTINUOUS RIM | SERRATED RIM |           | SEGMENTED RIM |           |
|--------|-----------|-------|---------|-----|----------------|--------------|-----------|---------------|-----------|
|        |           |       |         |     |                | CE PREM      | CC PREM + | LU PREM       | LV PREM + |
| 4-1/2" | .060"     | 5/8"  | 13,300  | 1   | 48521          | -            | -         | -             | -         |
| 4-1/2" | .060"     | 7/8"  | 13,300  | 1   | 48721          | -            | -         | -             | -         |
| 4-1/2" | .090"     | 5/8"  | 13,300  | 1   | -              | 48501        | 48511     | 48531         | 48541     |
| 4-1/2" | .090"     | 7/8"  | 13,300  | 1   | -              | 48701        | 48711     | 48731         | 48741     |
| 5"     | .090"     | 5/8"  | 12,200  | 1   | -              | 48502        | 48512     | 48532         | 48542     |
| 5"     | .090"     | 7/8"  | 12,200  | 1   | -              | 48702        | 48712     | 48732         | 48742     |
| 7"     | .090"     | 5/8"  | 8,500   | 1   | -              | 48504        | 48514     | 48534         | 48544     |
| 7"     | .090"     | 7/8"  | 8,500   | 1   | -              | 48704        | 48714     | 48734         | 48744     |

### TECH INFO

- Premium quality diamond for exceptional cutting and long life
- 5/8" arbor for use on a circular saw
- 7/8" arbor for use on an angle grinder



Angle Grinder



Circular Saw



Type 1

9" blade for use on cordless electric portable saws and can be used wet or dry.

12" and 14" blades are for use on portable gas saws and street saws up to 15HP and can be used wet or dry. Each blade features a 1"/20mm knockout bushing. All segments are laser welded for maximum durability and safety.



## GENERAL PURPOSE CONCRETE

- Designed for cutting concrete with rebar and other concrete applications
- Features premium diamond segments for longer blade life

**CONCRETE** Cured concrete, brick, concrete block and pavers

## ALL PURPOSE CONCRETE / ASPHALT

- Designed for cutting concrete, green concrete, brick, concrete block, paver and asphalt
- Features 10mm segments with deep segment/undercut protection for long life and non-binding cutting

**CONCRETE** Cured concrete, green concrete, brick, concrete block, pavers and asphalt

| DIA | THICKNESS | ARBOR     | MAX RPM | QTY | GENERAL PURPOSE CONCRETE | ALL PURPOSE CONCRETE / ASPHALT |
|-----|-----------|-----------|---------|-----|--------------------------|--------------------------------|
| 9"  | .090"     | 7/8       | 6,790   | 1   | 48798 <b>NEW</b>         | —                              |
| 12" | .125"     | 1" (20mm) | 6,300   | 1   | 48800                    | 48801                          |
| 14" | .125"     | 1" (20mm) | 5,460   | 1   | 48805                    | 48806                          |



### TECH INFO

- Premium quality diamond for exceptional cutting and long life
- 1" (20mm) arbor for use on portable gas saws and street saws up to 15HP
- 12" & 14" General Purpose blades feature 12mm segments



Street Saw  
(up to 15HP)



Portable Saw



Type 1



# COATED ABRASIVES INDEX

## TECHNICAL INFORMATION..... 58

## FLAP DISCS..... 60

### FLAP DISCS - FIBERGLASS BACKING . 62

|                          |    |
|--------------------------|----|
| ENCORE .....             | 62 |
| ENCORE CERAMIC .....     | 62 |
| OVATION® .....           | 62 |
| OVATION® ATTACKER® ..... | 62 |
| OVATION® CERAMIC .....   | 62 |
| OVATION® STAINLESS ..... | 62 |

### FLAP DISCS - PLASTIC BACKING .... 64

|                               |    |
|-------------------------------|----|
| ENCORE PLUS .....             | 64 |
| ENCORE CERAMIC PLUS .....     | 64 |
| OVATION® PLUS .....           | 64 |
| OVATION® ATTACKER® PLUS ..... | 64 |
| OVATION® CERAMIC PLUS .....   | 64 |

### FLAP DISCS - TRIMMABLE PLASTIC BACKING..... 66

|                           |    |
|---------------------------|----|
| TRIMBACK™ .....           | 66 |
| TRIMBACK™ CERAMIC .....   | 66 |
| TRIMBACK™ STAINLESS ..... | 66 |

### FLAP DISCS - SPECIALTY ..... 68

|                                |    |
|--------------------------------|----|
| SAITLAM UK™ .....              | 68 |
| ENCORE MINI .....              | 68 |
| SAIT GF – GRIND & FINISH ..... | 69 |
| SAND-LIGHT™ .....              | 69 |

### FLAP WHEELS - SMALL DIAMETER . . 70

|                         |    |
|-------------------------|----|
| 2A ALUMINUM OXIDE ..... | 70 |
| 3A ALUMINUM OXIDE ..... | 70 |

### FLAP WHEELS - LARGE DIAMETER . . 71

|                                  |    |
|----------------------------------|----|
| 2A ALUMINUM OXIDE .....          | 71 |
| 3A ALUMINUM OXIDE .....          | 71 |
| 5/8-11 THREADED FLAP WHEEL ..... | 71 |

### FIBER DISCS ..... 72

### FIBER DISCS - ALUMINUM OXIDE . . 74

|                         |    |
|-------------------------|----|
| AO ALUMINUM OXIDE ..... | 74 |
| 2A ALUMINUM OXIDE ..... | 74 |
| 3A ALUMINUM OXIDE ..... | 74 |

### FIBER DISCS – ZIRCONIUM..... 75

|                      |    |
|----------------------|----|
| AZ-X ZIRCONIUM ..... | 75 |
| Z – ZIRCONIUM .....  | 75 |

### FIBER DISCS - CERAMIC..... 76

|                  |    |
|------------------|----|
| 7S CERAMIC ..... | 76 |
| 9S CERAMIC ..... | 76 |

### FIBER DISCS CERAMIC & SILICON CARBIDE ..... 77

|                             |    |
|-----------------------------|----|
| 7-II CERAMIC .....          | 77 |
| 9.3 POWER MAX CERAMIC ..... | 77 |
| SILICON CARBIDE .....       | 77 |

### STOCK BELTS ..... 78

|                                   |    |
|-----------------------------------|----|
| 1A-X / 2A-X ALUMINUM OXIDE .....  | 80 |
| AO-X ALUMINUM OXIDE .....         | 81 |
| SAIT-SAVER™ / LA-X .....          | 81 |
| Z-H ZIRCONIA ALUMINA .....        | 82 |
| 9S-H CERAMIC ALUMINUM OXIDE ..... | 83 |

### PAPER DISCS ..... 84

|                            |    |
|----------------------------|----|
| PSA DISC ROLLS .....       | 85 |
| INDIVIDUAL PSA DISCS ..... | 85 |
| HOOK & LOOP DISCS .....    | 86 |

### CLOTH DISCS ..... 87

|                            |    |
|----------------------------|----|
| INDIVIDUAL PSA DISCS ..... | 87 |
|----------------------------|----|

### LAMINATED DISCS ..... 88

### PAPER SHEETS ..... 90

|                                         |    |
|-----------------------------------------|----|
| ALUMINUM OXIDE (AW-C & AW-D) .....      | 90 |
| GARNET .....                            | 90 |
| WATERPROOF SILICON CARBIDE (CW-C) ..... | 90 |
| SAIT-PAK™ .....                         | 90 |
| ALUMINUM OXIDE (AY-D) .....             | 91 |
| ALUMINUM OXIDE (3S) .....               | 91 |
| ALUMINUM OXIDE (4S) .....               | 91 |

### CLOTH SHEETS ..... 92

|                             |    |
|-----------------------------|----|
| ALUMINUM OXIDE (DA-F) ..... | 92 |
|-----------------------------|----|

### DRYWALL ..... 93

|                             |    |
|-----------------------------|----|
| SAITSCREEN™ .....           | 93 |
| PAPER .....                 | 93 |
| GIRAFFE DRYWALL DISCS ..... | 93 |

### FILE BOARD SHEETS & SPONGES ... 94

|                         |    |
|-------------------------|----|
| FILE BOARD SHEETS ..... | 94 |
| SANDING SPONGES .....   | 94 |

### SHOP ROLLS..... 95

|                              |    |
|------------------------------|----|
| HANDY ROLL – DA-F .....      | 95 |
| INDUSTRIAL ROLL – EA-F ..... | 95 |
| EA-F CUSTOM ROLLS .....      | 95 |

### SPECIALTY SHOP ROLLS ..... 96

|                             |    |
|-----------------------------|----|
| DA-F MINI SHOP ROLLS .....  | 96 |
| PLUMBER ROLL .....          | 96 |
| AW-D MINI PAPER ROLLS ..... | 96 |
| SAITSCREEN™ ROLLS .....     | 96 |

### FLOOR SANDING ..... 97

|                                          |    |
|------------------------------------------|----|
| FLOOR SANDER BELTS .....                 | 97 |
| FLOOR SANDING SHEETS .....               | 97 |
| EDGE FLOOR SANDING DISCS .....           | 98 |
| LARGE DIAMETER FLOOR SANDING DISCS ..... | 98 |
| SAITSCREEN™ DISCS .....                  | 98 |
| FLOOR SANDING ROLLS .....                | 99 |
| SAITSCREEN™ SHEETS .....                 | 99 |

### CARTRIDGE ROLLS ..... 100

|                                |     |
|--------------------------------|-----|
| STRAIGHT CARTRIDGE ROLLS ..... | 100 |
| TAPERED CARTRIDGE ROLLS .....  | 101 |

### SPIRAL BANDS ..... 102

### CROSS & SQUARE PADS..... 103

|                   |     |
|-------------------|-----|
| CROSS PADS .....  | 103 |
| SQUARE PADS ..... | 103 |





The image displays a variety of coated abrasive products. At the top, a large roll of red abrasive material is shown, with a metal rod protruding from its center. To its left is a smaller roll of red material with a black clamping device on top. In the foreground, there are two large red circular discs with central holes, and a blue circular disc. To the right, a roll of blue abrasive material is partially unrolled, showing its layered structure. The background is dark, and the overall composition is industrial and technical.

# COATED ABRASIVES



## WHAT IS A COATED ABRASIVE?

A coated abrasive is a product that consists of a thin layer of abrasive grain attached to a substrate such as paper, cloth, etc. Coated abrasives come in a variety of forms such as sheets, discs, rolls, specialties, or belts.

### COMPONENTS OF COATED ABRASIVES – ABRASIVE GRAINS

Coated abrasives are manufactured using abrasive grains; the most common are aluminum oxide, zirconium, ceramic, silicon carbide and garnet. The crude grains are crushed and separated into sizes, called grit sizes, using calibrated screens. Grits range from 12 (very coarse) to 2,000 (very fine). Once the grains are separated into sizes, they are attached to a backing material using various bond techniques. Below are descriptions of the most common abrasive grains:

#### Ceramic

A high performance, man-made abrasive material. Very uniform, high density grain structure is extremely durable and self sharpening for longer life and cooler cut. Excels on tough to grind materials.

#### Aluminum Oxide

A tough, blocky shaped, man-made grain used for high speed grinding and finishing of metals, wood and other high tensile strength materials without excessive fracturing or shedding. Wherever the ability to resist fracturing is the main consideration, aluminum oxide will outperform all other coated abrasive grains.

#### Zirconium

A very fine, dense, man-made crystalline grain which can be used for aggressive stock removal. Zirconium is a very dense material with a unique self-sharpening characteristic which gives it long life on heavy stock removal operations.

#### Silicon Carbide

A very hard, very sharp, man-made abrasive suited for non-ferrous materials and non-metallic materials such as concrete, marble and glass. A very friable grain, silicon carbide cuts faster under light pressure than any other grain used in coated abrasives.

#### Garnet

Garnet is made of natural aluminum oxide which is a relatively sharp, but very weak bonding structure. Very inconsistent when compared to synthetics. It is used primarily in woodworking as garnet dulls too quickly to be used in metalworking.

### BACKING MATERIALS – SUBSTRATES

Below are the four major types of backing materials:

#### Paper

Specialized technical papers are used as substrates for coated abrasives. They are identified by letters representing weight and flexibility:

“A” and “B” weights are light weight and highly flexible. “C”, “D”, “E”, “F” weights are medium to heavy weight for more strength and less flexibility.

#### Cloth

Cloth backings are more durable than paper backings. There are several types of cloth backings: cotton (ie: Egyptian), polyester and polyester-cotton blends. Cloth backings are identified by weight and flexibility:

“F” weight (J-Flex) is light and highly flexible. This lighter weight is suitable for cleaning, finishing and polishing.

“J” weight (Jeans) is highly flexible and suitable for cleaning, finishing and polishing of contour surfaces.

“X” weight (Drills) is medium to heavy weight for more strength and durability. It has low flexibility suitable for grinding, deburring and finishing.

“H” (Heavy Duty) is a heavier weight than “X” weight. It has low flexibility and is suitable for heavy duty grinding and deburring applications. Excellent edge stability.

#### Fiber

Fiber backing is a tough vulcanized material made from rag stock. This backing is generally used for abrasive fiber discs.

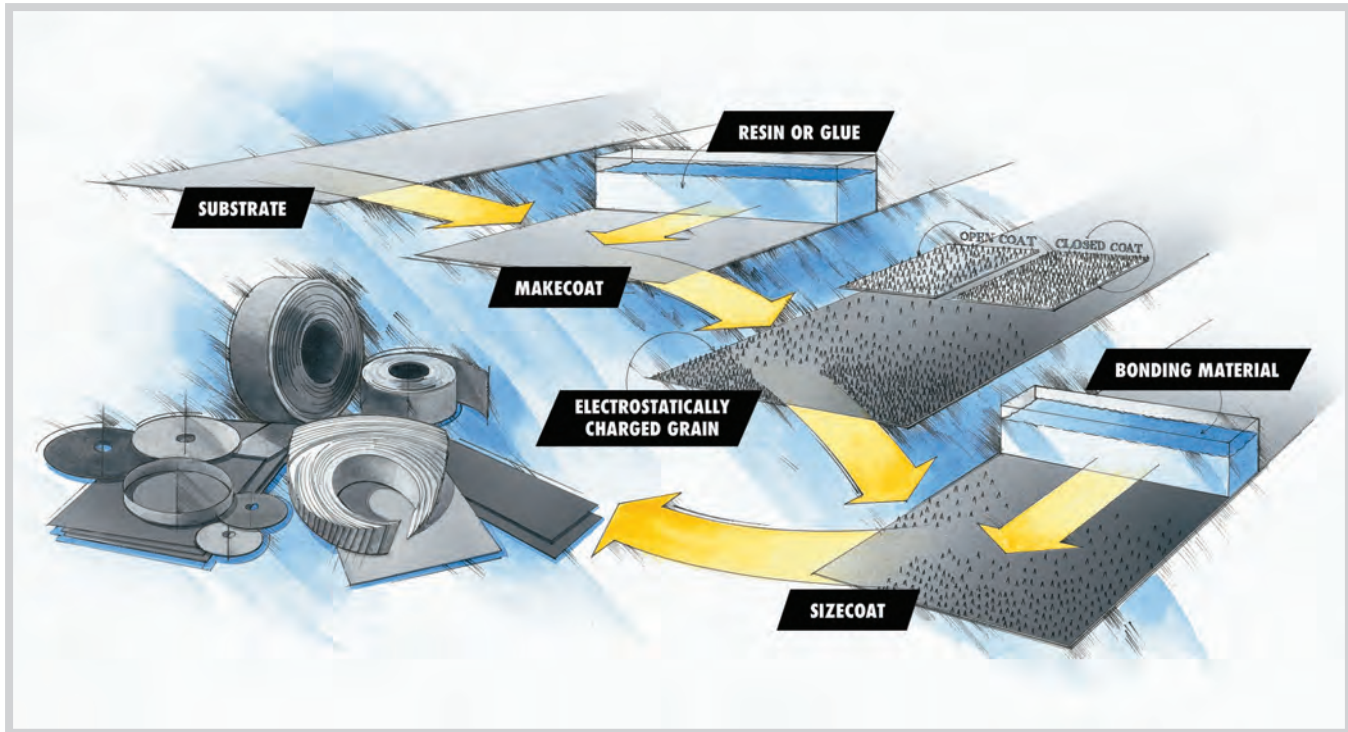
#### Combination

Combination backing is laminated paper and cloth and is very sturdy and shock resistant. Combination backings typically are used for a wide range of grits and mounting techniques.

#### Other Backing Materials

There are also a variety of other substrates such as nylon fiber or screens that can be coated for special applications. Non-woven nylon impregnated with abrasive grain is another substrate that can be used for cleaning, polishing or blending.





## THE UNITED ABRASIVES SAIT DIFFERENCE

- We use only the **highest quality raw materials**, which are stored in an environmentally controlled area. These include grains and backings (such as paper, cotton, cotton-polyester and polyester materials) as well as resins and glues used in the process.
- One of the world's most modern, **highly automated and state-of-the-art** coated abrasives production facilities.
- Our coated abrasives are cured in the latest, most updated, temperature controlled ovens to ensure that we produce a **consistent and quality finished product**, which is rigorously monitored every step of the way by our world renowned quality control department.
- SAIT Abrasives has been the world leader in producing the highest quality coated abrasives for over 50 years!

## FLAP DISC INTRODUCTION

- Flap discs are constructed by layering coated abrasive flaps so they wear away and expose new, sharp grain
- Flap discs increase productivity and reduce total grinding and finishing costs by grinding, blending & finishing in 1 step

### DENSITIES

High density flap discs contain approximately 40% more material than regular density flap discs.

Regular Density

High Density



COATED ABRASIVES

HIGH DENSITY

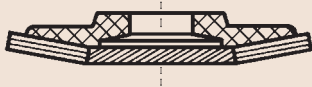


REGULAR DENSITY



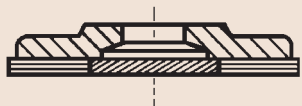
### BACKING SHAPE

#### Conical Shape Features (Type 29)



- Built-in angle for increased contact area
- Best for use on contoured surfaces and edge work
- Minimizes workpiece gouging
- More aggressive stock removal due to higher angle
- 15°-25° working angle

#### Flat Shape Features (Type 27)



- Best for use on miter joints, corners and edges
- Best choice for finishing intricate and ornate surfaces
- Ideal for smooth finishing
- 0°-15° working angle

### BACKING TYPE

#### Fiberglass Backing Features

- Backing will wear uniformly with abrasive cloth
- Will not splinter or smear on the workpiece
- Lighter, quieter operation

#### Plastic Backing Features

- Non-scratching, high strength backing
- Resistant to temperature extremes, common chemicals and solvents
- Some plastic backings are trimmable



## FLAP DISCS VS. GRINDING WHEELS

- Faster stock removal and smoother finish
- Quieter operation and reduced vibration minimizing operator fatigue
- Cooler cutting, reduced loading and glazing
- Easy to use – reduced gouging and rework

## FLAP DISCS VS. FIBER DISCS

- Up to 20 times longer life than a fiber disc
- No backing pad needed
- Easier storage – no curling
- Flap discs should use one grit coarser than used in fiber discs (except 36 grit)
- More consistent finish

## THE DIFFERENCE

### TWO TYPES OF PLASTIC BACKINGS

- ABS plastic designed to be trimmed to expose more abrasives material
- Hard plastic designed for high strength and rigidity promoting ease of use and long-life

### FIBERGLASS BACKING

- Custom engineered fiberglass backing plates for strength and safety
- More fiberglass than competitors – making our flap discs among the safest on the market

### ADHESIVE SYSTEM

- Specially formulated adhesive system, designed to effectively secure the abrasive flaps to the backing, maximizes abrasive performance and safety

### COATED MATERIAL

- Our own coated material has been specifically designed for flap discs
- Unique materials are used for each flap disc application

### FLAP DESIGN

- We utilize more and larger flaps than our competitors to yield great performance and product life



# FLAP DISCS - FIBERGLASS BACKING

Backing will wear uniformly with abrasive cloth • Will not splinter or smear on the workpiece • Lighter, quieter operation

## REGULAR DENSITY



### ENCORE

- Tough zirconium grain provides fast grinding and reliable finishing performance
- Durable cotton backing for long life
- Exceptional value and performance

**METAL** Ferrous and/or non-ferrous metals  
**STAINLESS** Stainless steel, high tensile steel, titanium  
**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)



### ENCORE CERAMIC

- Premium ceramic grain outlasts conventional zirconium in most applications
- Cooler cutting and fast, consistent finishes

**METAL** Ferrous and/or non-ferrous metals  
**STAINLESS** Stainless steel, high tensile steel, titanium



### OVATION®

- Heavy duty zirconium grain, designed for high pressure applications
- Durable polyester backing for reduced edge wear and long life
- 40% more material than conventional, regular density flap discs
- Continues to grind after most flap discs stop

**METAL** Ferrous and/or non-ferrous metals  
**STAINLESS** Stainless steel, high tensile steel, titanium



### OVATION® ATTACKER®

- High performance zirconium grain for a wide variety of grinding and finishing applications
- Provides long life while maintaining high stock removal rates
- 40% more material than conventional, regular density flap discs

**STAINLESS** Stainless steel, high tensile steel, titanium  
**METAL** Ferrous metals  
**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)



### OVATION® CERAMIC

- Premium ceramic grain outlasts conventional zirconium in most applications
- Cooler cutting and fast, consistent finishes
- 40% more material than conventional, regular density flap discs

**METAL** Ferrous and/or non-ferrous metals  
**STAINLESS** Stainless steel, high tensile steel, titanium



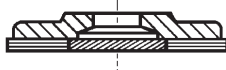
### OVATION® STAINLESS

- Premium aluminum oxide with grinding aid for grinding and finishing on stainless steel with minimal discoloration
- Works great on aluminum and non-ferrous materials with minimal loading
- Provides long life while maintaining high stock removal rates
- 40% more material than conventional, regular density flap discs

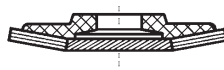
**STAINLESS** Stainless steel, high tensile steel, titanium  
**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)

| DIA    | ARBOR  | GRIT | MAX RPM | REGULAR DENSITY |         |                |         | HIGH DENSITY |                    |                  |                    |
|--------|--------|------|---------|-----------------|---------|----------------|---------|--------------|--------------------|------------------|--------------------|
|        |        |      |         | ENCORE          |         | ENCORE CERAMIC |         | OVATION®     | OVATION® ATTACKER® | OVATION® CERAMIC | OVATION® STAINLESS |
|        |        |      |         | TYPE 27         | TYPE 29 | TYPE 27        | TYPE 29 | TYPE 27      | TYPE 27            | TYPE 27          | TYPE 27            |
| 4-1/2" | 7/8"   | 36   | 13,300  | 71205           | 79105   | 72261          | 72820   | 78005        | —                  | 78260            | 78054              |
| 4-1/2" | 7/8"   | 40   | 13,300  | 71206           | 79106   | 72262          | 72821   | 78006        | 76206              | 78261            | 78055              |
| 4-1/2" | 7/8"   | 60   | 13,300  | 71208           | 79108   | 72263          | 72822   | 78008        | 76208              | 78262            | 78056              |
| 4-1/2" | 7/8"   | 80   | 13,300  | 71209           | 79109   | 72264          | 72823   | 78009        | 76209              | 78263            | 78057              |
| 4-1/2" | 7/8"   | 120  | 13,300  | 71211           | 79111   | —              | —       | 78011        | 76211              | —                | 78058              |
| 4-1/2" | 5/8-11 | 36   | 13,300  | 71215           | 79115   | 72361          | 72930   | 78105        | —                  | 78320            | 78154              |
| 4-1/2" | 5/8-11 | 40   | 13,300  | 71216           | 79116   | 72362          | 72931   | 78106        | 76316              | 78321            | 78155              |
| 4-1/2" | 5/8-11 | 60   | 13,300  | 71218           | 79118   | 72363          | 72932   | 78108        | 76318              | 78322            | 78156              |
| 4-1/2" | 5/8-11 | 80   | 13,300  | 71219           | 79119   | 72364          | 72933   | 78109        | 76319              | 78323            | 78157              |
| 4-1/2" | 5/8-11 | 120  | 13,300  | 71221           | 79211   | —              | —       | 78111        | 76321              | —                | 78158              |
| 5"     | 7/8"   | 36   | 12,200  | 71225           | 79125   | —              | 72827   | 78025        | —                  | 78267            | 78061              |
| 5"     | 7/8"   | 40   | 12,200  | 71226           | 79126   | —              | 72828   | 78026        | 76226              | 78268            | 78062              |
| 5"     | 7/8"   | 60   | 12,200  | 71228           | 79128   | —              | 72829   | 78028        | 76228              | 78269            | 78063              |
| 5"     | 7/8"   | 80   | 12,200  | 71229           | 79129   | —              | 72830   | 78029        | 76229              | 78270            | 78064              |
| 5"     | 7/8"   | 120  | 12,200  | 71231           | 79131   | —              | —       | 78031        | 76231              | —                | 78065              |
| 5"     | 5/8-11 | 36   | 12,200  | 71235           | —       | —              | 72937   | 78125        | —                  | 78327            | —                  |
| 5"     | 5/8-11 | 40   | 12,200  | 71236           | —       | —              | 72938   | 78126        | 76336              | 78328            | —                  |
| 5"     | 5/8-11 | 60   | 12,200  | 71238           | —       | —              | 72939   | 78128        | 76338              | 78329            | —                  |
| 5"     | 5/8-11 | 80   | 12,200  | 71239           | —       | —              | 72940   | 78129        | 76339              | 78330            | —                  |
| 5"     | 5/8-11 | 120  | 12,200  | 71241           | —       | —              | —       | 78131        | 76341              | —                | —                  |
| 6"     | 7/8"   | 36   | 10,200  | —               | 71245   | —              | —       | 78035        | —                  | 78273 NEW        | —                  |
| 6"     | 7/8"   | 40   | 10,200  | —               | 71246   | —              | —       | 78036        | 76236              | 78274 NEW        | —                  |
| 6"     | 7/8"   | 60   | 10,200  | —               | 71248   | —              | —       | 78038        | 76238              | 78275 NEW        | —                  |
| 6"     | 7/8"   | 80   | 10,200  | —               | 71249   | —              | —       | 78039        | 76239              | —                | —                  |
| 6"     | 7/8"   | 120  | 10,200  | —               | 71251   | —              | —       | 78041        | 76241              | —                | —                  |
| 6"     | 5/8-11 | 36   | 10,200  | —               | 71255   | —              | —       | 78135        | —                  | 78333 NEW        | —                  |
| 6"     | 5/8-11 | 40   | 10,200  | —               | 71256   | —              | —       | 78136        | 76346              | 78334 NEW        | —                  |
| 6"     | 5/8-11 | 60   | 10,200  | —               | 71258   | —              | —       | 78138        | 76348              | 78335 NEW        | —                  |
| 6"     | 5/8-11 | 80   | 10,200  | —               | 71259   | —              | —       | 78139        | 76349              | —                | —                  |
| 6"     | 5/8-11 | 120  | 10,200  | —               | 71261   | —              | —       | 78141        | 76351              | —                | —                  |
| 7"     | 7/8"   | 36   | 8,500   | —               | 71265   | —              | —       | 78045        | —                  | —                | —                  |
| 7"     | 7/8"   | 40   | 8,500   | —               | 71266   | —              | —       | 78046        | 76246              | —                | —                  |
| 7"     | 7/8"   | 60   | 8,500   | —               | 71268   | —              | —       | 78048        | 76248              | —                | —                  |
| 7"     | 7/8"   | 80   | 8,500   | —               | 71269   | —              | —       | 78049        | 76249              | —                | —                  |
| 7"     | 7/8"   | 120  | 8,500   | —               | 71271   | —              | —       | 78051        | 76251              | —                | —                  |
| 7"     | 5/8-11 | 36   | 8,500   | —               | 71275   | —              | —       | 78145        | —                  | —                | —                  |
| 7"     | 5/8-11 | 40   | 8,500   | —               | 71276   | —              | —       | 78146        | 76356              | —                | —                  |
| 7"     | 5/8-11 | 60   | 8,500   | —               | 71278   | —              | —       | 78148        | 76358              | —                | —                  |
| 7"     | 5/8-11 | 80   | 8,500   | —               | 71279   | —              | —       | 78149        | 76359              | —                | —                  |
| 7"     | 5/8-11 | 120  | 8,500   | —               | 71281   | —              | —       | 78151        | 76361              | —                | —                  |

QUANTITY:  
Packaged  
10 per box



Type 27 (Flat)



Type 29 (Conical)



5/8-11 Hub



Angle Grinder



Contaminant Free  
Fe + S + Cl < 0.1%

# FLAP DISCS - PLASTIC BACKING

Ease of use reduces operator fatigue • Longer life than fiberglass backing at the same cost

## REGULAR DENSITY



### ENCORE PLUS

- Tough zirconium grain provides fast grinding and reliable finishing performance
- Durable polyester-cotton backing for long life
- Exceptional value and performance

**METAL** Ferrous and/or non-ferrous metals  
**STAINLESS** Stainless steel, high tensile steel, titanium  
**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)



### ENCORE CERAMIC PLUS

- Premium ceramic grain outlasts conventional zirconium in most applications
- Cooler cutting and fast, consistent finishes

**METAL** Ferrous and/or non-ferrous metals  
**STAINLESS** Stainless steel, high tensile steel, titanium

## HIGH DENSITY



### OVATION® PLUS

- Heavy duty zirconium grain, designed for **high pressure** applications
- Durable polyester backing for reduced edge wear and long life
- 40% more material than conventional, regular density flap discs
- Continues to grind after most flap discs stop

**METAL** Ferrous and/or non-ferrous metals  
**STAINLESS** Stainless steel, high tensile steel, titanium



### OVATION® ATTACKER® PLUS

- High performance zirconium grain for a wide variety of grinding and finishing applications
- Provides long life while maintaining high stock removal rates
- 40% more material than conventional, regular density flap discs

**STAINLESS** Stainless steel, high tensile steel, titanium  
**METAL** Ferrous metals  
**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)



### OVATION® CERAMIC PLUS

- Premium ceramic grain outlasts conventional zirconium in most applications
- Cooler cutting and fast, consistent finishes
- 40% more material than conventional, regular density flap discs

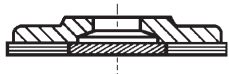
**METAL** Ferrous and/or non-ferrous metals  
**STAINLESS** Stainless steel, high tensile steel, titanium



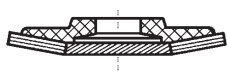


| DIA    | ARBOR  | GRIT | MAX RPM | REGULAR DENSITY |         |                     |         | HIGH DENSITY |                       |                      |
|--------|--------|------|---------|-----------------|---------|---------------------|---------|--------------|-----------------------|----------------------|
|        |        |      |         | ENCORE PLUS     |         | ENCORE CERAMIC PLUS |         | Ovation PLUS | Ovation ATTACKER PLUS | Ovation CERAMIC PLUS |
|        |        |      |         | TYPE 27         | TYPE 29 | TYPE 27             | TYPE 29 | TYPE 27      | TYPE 27               | TYPE 27              |
| 4-1/2" | 7/8"   | 36   | 13,300  | 71285           | 72238   | 71300               | 72250   | 72200        | 72214                 | 72226                |
| 4-1/2" | 7/8"   | 40   | 13,300  | 71286           | 72239   | 71301               | 72251   | 72201        | 72215                 | 72227                |
| 4-1/2" | 7/8"   | 60   | 13,300  | 71287           | 72240   | 71302               | 72252   | 72202        | 72216                 | 72228                |
| 4-1/2" | 7/8"   | 80   | 13,300  | 71288           | 72241   | 71303               | 72253   | 72203        | 72217                 | 72229                |
| 4-1/2" | 7/8"   | 120  | 13,300  | -               | -       | -                   | -       | 72204        | -                     | -                    |
| 4-1/2" | 5/8-11 | 36   | 13,300  | 71385           | 72338   | 71400               | 72350   | 72300        | 72314                 | 72326                |
| 4-1/2" | 5/8-11 | 40   | 13,300  | 71386           | 72339   | 71401               | 72351   | 72301        | 72315                 | 72327                |
| 4-1/2" | 5/8-11 | 60   | 13,300  | 71387           | 72340   | 71402               | 72352   | 72302        | 72316                 | 72328                |
| 4-1/2" | 5/8-11 | 80   | 13,300  | 71388           | 72341   | 71403               | 72353   | 72303        | 72317                 | 72329                |
| 4-1/2" | 5/8-11 | 120  | 13,300  | -               | -       | -                   | -       | 72304        | -                     | -                    |
| 5"     | 7/8"   | 36   | 12,200  | -               | 72244   | -                   | 72256   | 72207        | 72220                 | 72232                |
| 5"     | 7/8"   | 40   | 12,200  | -               | 72245   | -                   | 72257   | 72208        | 72221                 | 72233                |
| 5"     | 7/8"   | 60   | 12,200  | -               | 72246   | -                   | 72258   | 72209        | 72222                 | 72234                |
| 5"     | 7/8"   | 80   | 12,200  | -               | 72247   | -                   | 72259   | 72210        | 72223                 | 72235                |
| 5"     | 7/8"   | 120  | 12,200  | -               | -       | -                   | -       | 72211        | -                     | -                    |

QUANTITY:  
Packaged  
10 per box



Type 27 (Flat)



Type 29 (Conical)



5/8-11 Hub



Angle Grinder



Contaminant Free  
Fe + S + Cl < 0.1%

# FLAP DISCS - TRIMMABLE PLASTIC BACKING



## TRIMBACK™

- Specially designed ABS plastic backing can easily be trimmed away to expose more abrasive material
- Unique design is ideal for hand rail and fillet weld applications
- High performance zirconium grain for a wide variety of applications

**METAL** Ferrous and/or non-ferrous metals  
**STAINLESS** Stainless steel, high tensile steel, titanium  
**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)



## TRIMBACK™ CERAMIC

- Premium ceramic grain outlasts conventional zirconium in most applications
- Specially designed ABS plastic backing can easily be trimmed away to expose more abrasive material
- Unique design is ideal for hand rail and fillet weld applications

**METAL** Ferrous and/or non-ferrous metals  
**STAINLESS** Stainless steel, high tensile steel, titanium



## TRIMBACK™ STAINLESS

- Premium aluminum oxide with grinding aid for grinding and finishing on stainless steel with minimal discoloration
- Works great on aluminum and non-ferrous materials with minimal loading
- Provides long life while maintaining high stock removal rates
- Trimmable design allows for easy trimming to expose more material

**STAINLESS** Stainless steel, high tensile alloys, titanium  
**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)

## TRIMBACK DOS & DON'TS

- **DO** trim ONLY TrimBack™ flap discs to expose more abrasive overhang
- **DO** mount the TrimBack™ on a properly guarded right angle grinder
- **DO** apply the plastic backing to a secured metal workpiece while the grinder is running
- **DON'T** trim more than 1/4" of the plastic backing
- **DON'T** trim beyond the maximum trim line or the ridged edge of the backing

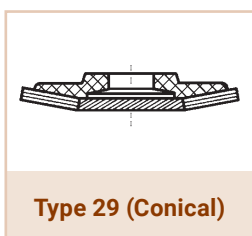
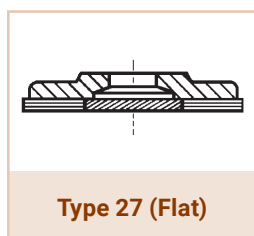


# FLAP DISCS - TRIMMABLE PLASTIC BACKING



COATED ABRASIVES

| DIA    | ARBOR  | GRIT | MAX RPM | QTY | TRIMBACK™ |         | TRIMBACK™ CERAMIC |         | TRIMBACK™ STAINLESS |         |
|--------|--------|------|---------|-----|-----------|---------|-------------------|---------|---------------------|---------|
|        |        |      |         |     | TYPE 27   | TYPE 29 | TYPE 27           | TYPE 29 | TYPE 27             | TYPE 29 |
| 4-1/2" | 7/8"   | 36   | 13,300  | 10  | 70850     | 70800   | 70832             | 70821   | 70880               | 70844   |
| 4-1/2" | 7/8"   | 40   | 13,300  | 10  | 70851     | 70801   | 70833             | 70822   | 70881               | 70845   |
| 4-1/2" | 7/8"   | 60   | 13,300  | 10  | 70852     | 70802   | 70834             | 70823   | 70882               | 70846   |
| 4-1/2" | 7/8"   | 80   | 13,300  | 10  | 70853     | 70803   | 70835             | 70824   | 70883               | 70847   |
| 4-1/2" | 7/8"   | 120  | 13,300  | 10  | -         | -       | -                 | -       | 70884               | 70848   |
| 4-1/2" | 5/8-11 | 36   | 13,300  | 10  | 70960     | 70910   | 70932             | 70921   | 70980               | 70944   |
| 4-1/2" | 5/8-11 | 40   | 13,300  | 10  | 70961     | 70911   | 70933             | 70922   | 70981               | 70945   |
| 4-1/2" | 5/8-11 | 60   | 13,300  | 10  | 70962     | 70912   | 70934             | 70923   | 70982               | 70946   |
| 4-1/2" | 5/8-11 | 80   | 13,300  | 10  | 70963     | 70913   | 70935             | 70924   | 70983               | 70947   |
| 4-1/2" | 5/8-11 | 120  | 13,300  | 10  | -         | -       | -                 | -       | 70984               | 70948   |
| 5"     | 7/8"   | 36   | 12,200  | 10  | 70857     | 70807   | -                 | 70827   | -                   | -       |
| 5"     | 7/8"   | 40   | 12,200  | 10  | 70858     | 70808   | -                 | 70828   | -                   | -       |
| 5"     | 7/8"   | 60   | 12,200  | 10  | 70859     | 70809   | -                 | 70829   | -                   | -       |
| 5"     | 7/8"   | 80   | 12,200  | 10  | 70860     | 70810   | -                 | 70830   | -                   | -       |





# FLAP DISCS - SPECIALTY



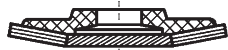
## SAITLAM UK™

- General purpose
- Zirconium grain on a durable polyester-cotton backing
- Conical shape (Type 29) ideal for working with large surfaces or complex shapes
- Working angle in is "built-in"
- For general purpose stock removal and finishing

**STAINLESS** Stainless steel, high tensile steel

**METAL** Ferrous and/or non-ferrous metals

**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)



Type 29 (Conical)



Angle Grinder

| DIA | ARBOR | GRIT | MAX RPM | QTY | SAITLAM UK™ |
|-----|-------|------|---------|-----|-------------|
| 4"  | 5/8"  | 40   | 15,300  | 10  | 73401       |
| 4"  | 5/8"  | 60   | 15,300  | 10  | 73402       |
| 4"  | 5/8"  | 80   | 15,300  | 10  | 73403       |
| 4"  | 5/8"  | 120  | 15,300  | 10  | 73404       |



## ENCORE MINI

- Long life performance of a flap disc for use in confined spaces
- More material, longer life than a single layer laminated disc
- SAIT-LOK-R™ thread allows easy changeover between sanding discs, surface conditioning discs and buffing discs

**METAL** Ferrous and/or non-ferrous metals

**STAINLESS** Stainless steel, high tensile steel, titanium

**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)



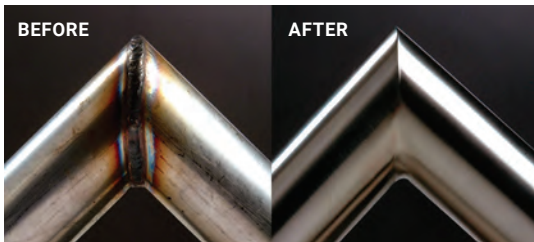
SAIT-LOK-R™



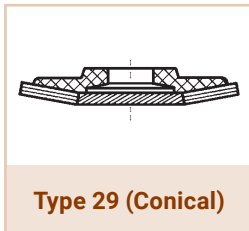
Portable Grinder

| DIA | GRIT | MAX RPM | QTY | ENCORE MINI |
|-----|------|---------|-----|-------------|
| 2"  | 40   | 30,000  | 10  | 74820       |
| 2"  | 60   | 30,000  | 10  | 74822       |
| 2"  | 80   | 30,000  | 10  | 74823       |
| 2"  | 120  | 30,000  | 10  | 74825       |
| 3"  | 40   | 20,000  | 10  | 74830       |
| 3"  | 60   | 20,000  | 10  | 74832       |
| 3"  | 80   | 20,000  | 10  | 74833       |
| 3"  | 120  | 20,000  | 10  | 74835       |

See page 132 for SAIT-LOK-R™ backing pads



|                    |                       |                   |
|--------------------|-----------------------|-------------------|
| <b>Max RPM</b>     | <b>4-1/2": 13,300</b> | <b>5": 12,200</b> |
| <b>Optimal RPM</b> | <b>4-1/2": 4,000</b>  | <b>5": 3,500</b>  |



## SAIT GF – GRIND & FINISH

- Combines coated and non-woven abrasives which allows you to "Grind & Finish" with one product reducing time and labor
- Cushioned grinding effect allows for effortless blending and finishing of contoured work pieces
- Aluminum oxide specifications available in coarse, medium and very fine
- Ceramic specification (High Performance) available in 40 grit and 60 grit - provides exceptionally long life

### METAL STAINLESS ALUMINUM

| DIA    | ARBOR | GRADE     | GRIT | COATED MATERIAL | SAIT GF |
|--------|-------|-----------|------|-----------------|---------|
| 4-1/2" | 7/8"  | COARSE    | 60   | A/O             | 77720   |
| 4-1/2" | 7/8"  | MEDIUM    | 80   | A/O             | 77721   |
| 4-1/2" | 7/8"  | VERY FINE | 150  | A/O             | 77723   |
| 4-1/2" | 7/8"  | COARSE    | 40   | CERAMIC         | 77760   |
| 4-1/2" | 7/8"  | COARSE    | 60   | CERAMIC         | 77761   |
| 5"     | 7/8"  | COARSE    | 60   | A/O             | 77725   |
| 5"     | 7/8"  | MEDIUM    | 80   | A/O             | 77726   |
| 5"     | 7/8"  | VERY FINE | 150  | A/O             | 77728   |
| 5"     | 7/8"  | COARSE    | 40   | CERAMIC         | 77766   |
| 5"     | 7/8"  | COARSE    | 60   | CERAMIC         | 77767   |

**QUANTITY: Packaged 10 per box**

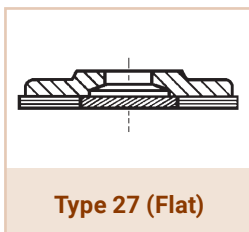
### TECH INFO

- Ideal for cleaning of weld spatter and light deburring operations
- Operate at lower speeds for optimum performance:
- Optimal RPM: 4-1/2"=4,000, 5"=3,500

COATED ABRASIVES



|                |                       |                   |
|----------------|-----------------------|-------------------|
| <b>Max RPM</b> | <b>4-1/2": 13,300</b> | <b>5": 12,200</b> |
|----------------|-----------------------|-------------------|



## SAND-LIGHT™

- Non-woven material
- Layered flaps create a thick, cushioned design which provides a nice finish
- Designed for surface preparation, cleaning and finishing applications

### METAL

Ferrous metals

### STAINLESS

Stainless steel, high tensile steel

### ALUMINUM

Non-ferrous metals

| DIA    | ARBOR | GRADE     | COLOR  | SAND-LIGHT™ |
|--------|-------|-----------|--------|-------------|
| 4-1/2" | 7/8"  | Coarse    | Brown  | 71980       |
| 4-1/2" | 7/8"  | Medium    | Maroon | 71982       |
| 4-1/2" | 7/8"  | Very Fine | Blue   | 71984       |
| 5"     | 7/8"  | Coarse    | Brown  | 71990       |
| 5"     | 7/8"  | Medium    | Maroon | 71992       |
| 5"     | 7/8"  | Very Fine | Blue   | 71994       |

**QUANTITY: Packaged 5 per box**

# FLAP WHEELS - SMALL DIAMETER



## 2A ALUMINUM OXIDE (GENERAL PURPOSE)

- Premium aluminum oxide grain
- Excellent for cleaning, deburring, polishing, blending

**METAL** Ferrous and/or non-ferrous metals (iron, steel, aluminum, copper, etc.)

**WOOD** Wood, plastic, fiberglass, etc.

## 3A ALUMINUM OXIDE (GRINDING AID)

- Premium aluminum oxide grain with grinding aid
- Excellent for reducing heat build-up on heat sensitive materials
- Excellent for cleaning, deburring, polishing, blending

**STAINLESS** Stainless steel, high tensile steel, titanium

**METAL** Ferrous and/or non-ferrous metals



Die Grinder

### TECH INFO

- Resin over resin construction for a strong bond that is resistant to heat and moisture
- Closed coat structure for more material removal
- High quality Egyptian cotton cloth backing provides superior durability
- UPC bar coded labeled boxes for easy identification and inventory maintenance

| DIA    | THICKNESS | GRIT | MAX RPM | 2A    |                 | 3A    |                 |
|--------|-----------|------|---------|-------|-----------------|-------|-----------------|
|        |           |      |         | 1/4"  | 1/4-20 Threaded | 1/4"  | 1/4-20 Threaded |
| 1"     | 3/4"      | 60   | 30,000  | 70001 | 71000           | -     | -               |
| 1"     | 3/4"      | 80   | 30,000  | 70002 | 71001           | -     | -               |
| 1"     | 3/4"      | 120  | 30,000  | 70003 | 71002           | -     | -               |
| 1"     | 3/4"      | 180  | 30,000  | 70004 | 71003           | -     | -               |
| 1"     | 3/4"      | 240  | 30,000  | 70005 | -               | -     | -               |
| 1"     | 1"        | 60   | 30,000  | 70010 | 71010           | -     | -               |
| 1"     | 1"        | 80   | 30,000  | 70011 | 71011           | -     | -               |
| 1"     | 1"        | 120  | 30,000  | 70012 | 71012           | -     | -               |
| 1"     | 1"        | 180  | 30,000  | 70013 | 71013           | -     | -               |
| 1"     | 1"        | 240  | 30,000  | 70014 | 71014           | -     | -               |
| 1-1/2" | 1/2"      | 40   | 25,000  | 70024 | -               | -     | -               |
| 1-1/2" | 1/2"      | 60   | 25,000  | 70025 | 71020           | -     | -               |
| 1-1/2" | 1/2"      | 80   | 25,000  | 70026 | 71021           | -     | -               |
| 1-1/2" | 1/2"      | 120  | 25,000  | 70027 | 71022           | -     | -               |
| 1-1/2" | 1/2"      | 180  | 25,000  | 70028 | 71023           | -     | -               |
| 1-1/2" | 1"        | 60   | 25,000  | 70040 | 71030           | -     | -               |
| 1-1/2" | 1"        | 80   | 25,000  | 70041 | 71031           | -     | -               |
| 1-1/2" | 1"        | 120  | 25,000  | 70042 | 71032           | -     | -               |
| 1-1/2" | 1"        | 180  | 25,000  | 70043 | 71033           | -     | -               |
| 1-1/2" | 1"        | 240  | 25,000  | 70044 | 71034           | -     | -               |
| 2"     | 1"        | 40   | 25,000  | 70049 | -               | -     | -               |
| 2"     | 1"        | 60   | 25,000  | 70050 | 71040           | 74050 | 71160           |
| 2"     | 1"        | 80   | 25,000  | 70051 | 71041           | 74051 | 71161           |
| 2"     | 1"        | 120  | 25,000  | 70052 | 71042           | 74052 | 71162           |
| 2"     | 1"        | 180  | 25,000  | 70053 | 71043           | -     | -               |
| 2"     | 1"        | 240  | 25,000  | 70054 | 71044           | -     | -               |

| DIA    | THICKNESS | GRIT | MAX RPM | 2A    |                 | 3A    |                 |
|--------|-----------|------|---------|-------|-----------------|-------|-----------------|
|        |           |      |         | 1/4"  | 1/4-20 Threaded | 1/4"  | 1/4-20 Threaded |
| 2-1/2" | 1/2"      | 60   | 20,000  | 70060 | 71050           | -     | -               |
| 2-1/2" | 1/2"      | 80   | 20,000  | 70061 | 71051           | -     | -               |
| 2-1/2" | 1/2"      | 120  | 20,000  | 70062 | 71052           | -     | -               |
| 2-1/2" | 1/2"      | 180  | 20,000  | 70063 | 71053           | -     | -               |
| 2-1/2" | 1"        | 40   | 20,000  | 70069 | -               | -     | -               |
| 2-1/2" | 1"        | 60   | 20,000  | 70070 | 71055           | 74060 | 71170           |
| 2-1/2" | 1"        | 80   | 20,000  | 70071 | 71056           | 74061 | 71171           |
| 2-1/2" | 1"        | 120  | 20,000  | 70072 | 71057           | 74062 | 71172           |
| 2-1/2" | 1"        | 180  | 20,000  | 70073 | 71058           | -     | -               |
| 2-1/2" | 1"        | 240  | 20,000  | 70074 | 71059           | -     | -               |
| 3"     | 1/2"      | 60   | 20,000  | 70080 | 71060           | -     | -               |
| 3"     | 1/2"      | 80   | 20,000  | 70081 | 71061           | -     | -               |
| 3"     | 1/2"      | 120  | 20,000  | 70082 | 71062           | -     | -               |
| 3"     | 1/2"      | 180  | 20,000  | 70083 | 71063           | -     | -               |
| 3"     | 1/2"      | 240  | 20,000  | 70084 | 71064           | -     | -               |
| 3"     | 3/4"      | 60   | 20,000  | 70090 | 71070           | -     | -               |
| 3"     | 3/4"      | 80   | 20,000  | 70091 | 71071           | -     | -               |
| 3"     | 3/4"      | 120  | 20,000  | 70092 | 71072           | -     | -               |
| 3"     | 3/4"      | 180  | 20,000  | 70093 | -               | -     | -               |
| 3"     | 1"        | 40   | 20,000  | 70099 | -               | -     | -               |
| 3"     | 1"        | 60   | 20,000  | 70100 | 71080           | 74070 | 71180           |
| 3"     | 1"        | 80   | 20,000  | 70101 | 71081           | 74071 | 71181           |
| 3"     | 1"        | 120  | 20,000  | 70102 | 71082           | 74072 | -               |
| 3"     | 1"        | 180  | 20,000  | 70103 | 71083           | -     | -               |
| 3"     | 1"        | 240  | 20,000  | 70104 | -               | -     | -               |
| 3"     | 2"        | 40   | 10,000  | 70110 | -               | -     | -               |
| 3"     | 2"        | 60   | 10,000  | 70111 | -               | -     | -               |
| 3"     | 2"        | 80   | 10,000  | 70112 | -               | -     | -               |
| 3"     | 2"        | 120  | 10,000  | 70113 | -               | -     | -               |

QUANTITY: Packaged 10 per box • Threaded 1/4-20 mandrels available. See page 134





## 2A ALUMINUM OXIDE (GENERAL PURPOSE)

- Premium aluminum oxide grain
- General purpose
- Excellent for cleaning, deburring, polishing, blending

**METAL** Ferrous metals  
**ALUMINUM** Non-ferrous metals  
**WOOD** Wood, plastic, fiberglass, etc.

## 3A ALUMINUM OXIDE (GRINDING AID)

- Premium aluminum oxide grain with grinding aid
- Excellent for reducing heat build-up on heat sensitive materials
- Excellent for cleaning, deburring, polishing, blending

**STAINLESS** Stainless steel, high tensile steel, titanium  
**ALUMINUM** Non-ferrous metals  
**METAL** Ferrous metals

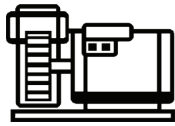
| DIA | THICKNESS | SPINDLE | GRIT | QTY | 2A    | 3A    |
|-----|-----------|---------|------|-----|-------|-------|
| 6"  | 1"        | 1"      | 60   | 5   | 72000 | 72005 |
| 6"  | 1"        | 1"      | 80   | 5   | 72001 | 72006 |
| 6"  | 1"        | 1"      | 100  | 5   | 72002 | —     |
| 6"  | 1"        | 1"      | 120  | 5   | 72003 | 72008 |
| 6"  | 1-1/2"    | 1"      | 60   | 5   | 72020 | 72025 |
| 6"  | 1-1/2"    | 1"      | 80   | 5   | 72021 | 72026 |
| 6"  | 1-1/2"    | 1"      | 120  | 5   | 72023 | —     |
| 6"  | 2"        | 1"      | 60   | 5   | 72030 | 72035 |
| 6"  | 2"        | 1"      | 80   | 5   | 72031 | 72036 |
| 6"  | 2"        | 1"      | 100  | 5   | 72032 | —     |
| 6"  | 2"        | 1"      | 120  | 5   | 72033 | 72038 |
| 8"  | 1"        | 1"      | 60   | 3   | 72040 | —     |
| 8"  | 1"        | 1"      | 120  | 3   | 72043 | —     |
| 8"  | 2"        | 1"      | 60   | 3   | 72050 | —     |
| 8"  | 2"        | 1"      | 80   | 3   | 72051 | —     |
| 8"  | 2"        | 1"      | 120  | 3   | 72053 | —     |

Max RPM

6": 6,000

8": 4,400

Straight 1/4" shank adapter kit.  
See page 134



Pedestal Grinder



## ALUMINUM OXIDE 5/8-11 THREADED FLAP WHEEL

- For use on standard 4-1/2" and 5" angle grinders
- Applies a linear scratch pattern, instead of a swirl; narrow profile is excellent for cleaning weld beads
- Suitable for surface preparation, paint and rust removal, cleaning, and finishing
- Increases the versatility of your angle grinder

**STAINLESS** Stainless steel, high tensile steel, titanium  
**METAL** Ferrous metals  
**ALUMINUM** Non-ferrous metals

| DIA    | THICKNESS | ARBOR  | GRIT | MAX RPM | QTY | PART # |
|--------|-----------|--------|------|---------|-----|--------|
| 4-1/2" | 3/4"      | 5/8-11 | 40   | 13,300  | 5   | 72130  |
| 4-1/2" | 3/4"      | 5/8-11 | 60   | 13,300  | 5   | 72132  |
| 4-1/2" | 3/4"      | 5/8-11 | 80   | 13,300  | 5   | 72133  |
| 4-1/2" | 3/4"      | 5/8-11 | 120  | 13,300  | 5   | 72135  |
| 5"     | 3/4"      | 5/8-11 | 40   | 12,200  | 5   | 72140  |
| 5"     | 3/4"      | 5/8-11 | 60   | 12,200  | 5   | 72142  |
| 5"     | 3/4"      | 5/8-11 | 80   | 12,200  | 5   | 72143  |
| 5"     | 3/4"      | 5/8-11 | 120  | 12,200  | 5   | 72145  |



Right Angle Grinder

### TECH INFO

- Resin over resin construction for a strong bond that is resistant to heat and moisture
- Closed coat structure for more material removal
- High quality Egyptian cotton cloth backing provides superior durability
- UPC bar coded labeled boxes for easy identification and inventory maintenance



## ALUMINUM OXIDE FIBER DISCS

### AO (16 - 120 GRIT RANGE)

- Economical choice for general grinding

### 2A (16 - 120 GRIT RANGE)

- General purpose grinding and finishing
- Closed coat

### 3A (36 - 120 GRIT RANGE)

- Best for grinding and finishing heat sensitive materials and non-ferrous metals
- Closed coat with grinding aids to reduce heat and loading



## ZIRCONIUM FIBER DISCS

### AZ-X (24 - 80 GRIT RANGE)

- Economical zirconium fiber disc

### Z (24 - 80 GRIT RANGE)

- Closed coat for aggressive grinding and finishing



## CERAMIC FIBER DISCS

### 7S (24 - 80 GRIT RANGE)

- High performance ceramic grain, closed coat
- Excels on carbon steel - very uniform, high density, grain structure is extremely durable and self-sharpening for long life and cooler cut

### 9S (24 - 120 GRIT RANGE)

- High performance ceramic grain, closed coat with grinding aids for reduced heat and decreased loading
- Excels on stainless steel and tough to grind materials

### 7-II (36+ - 80+ GRIT RANGE)

- Our highest performing disc for carbon steel
- High density ceramic grain for maximum performance

### 9.3 POWER MAX CERAMIC (36+ - 80+ GRIT RANGE)

- Our highest performing disc for stainless and high alloyed steels
- 100% ceramic abrasive grain for exceptional grinding performance
- Special grinding aids for reduced heat and loading and allows for cool cutting under the most demanding applications



## SILICON CARBIDE FIBER DISCS

### C SILICON CARBIDE (16 - 220 GRIT RANGE)

- Closed coat for performance grinding and finishing of glass, marble, ceramic, hard cast iron and ferrous/non-ferrous materials





## KEY FEATURES

- Most comprehensive fiber discs product offering in the industry.
- Made with the highest quality materials using a premium resin over resin construction.
- Most renowned fiber discs in the world.



## INNOVATIVE BULK PACKAGING

Our unique bulk spindle packaging assures that each disc remains perfectly flat. The unique design offers the convenience of easy access and can be re-tightened to ensure that your discs are flat when you need them.



## BLUE LINE™ PACKAGING

Blue Line™ Packaging is UPC bar coded.

Used for retail packaging in convenient smaller quantities.



## SAIT-LOK™ QUICK CHANGE 5/8-11 HUB

The SAIT-LOK™ hub recesses into the center cavity of the backing pad to provide a flat profile, thus increasing usable abrasive surface area up to 100% to get the job done faster and cooler.

- Eliminates the need for wrenches and spanner nuts
- Threaded backing pad must be used with SAIT-LOK™ hub
- Available in Blue Line™ packaging only



# FIBER DISCS - ALUMINUM OXIDE



## AO ALUMINUM OXIDE (ECONOMICAL)

- High-quality aluminum oxide grain, open coat
- Economical choice for general grinding

**METAL** Ferrous and/or non-ferrous metals (iron, steel, copper, aluminum, etc.)  
**WOOD** Wood, fiberglass

## 2A ALUMINUM OXIDE (GENERAL PURPOSE)

- High-quality aluminum oxide grain
- General purpose, closed-coat disc for more material removal and better finishing

**METAL** Ferrous and/or non-ferrous metals  
**WOOD** Wood

## 3A ALUMINUM OXIDE (GRINDING AID)

- Special aluminum oxide grain with grinding aids to reduce heat build up and minimize loading
- Closed coat for more material removal and better finishing

**STAINLESS** Stainless steel, high tensile steel, titanium  
**METAL** Ferrous metals  
**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)

- TECH INFO**
- Resin over resin construction for a strong bond that is resistant to heat and moisture
  - Vulcanized fiber backing for heavy duty sanding
  - Available with SAIT-LOK™ quick change hub which extends disc life and requires fewer disc changes

| DIA    | ARBOR | GRIT | BULK (100 PCS) |               |              | BLUE LINE™ |              |       |     | SAIT-LOK™ (15 PCS) |       |
|--------|-------|------|----------------|---------------|--------------|------------|--------------|-------|-----|--------------------|-------|
|        |       |      | AO             | 2A            | 3A           | AO         | 2A           | 3A    | QTY | 2A                 | 3A    |
| 4"     | 5/8"  | 24   | -              | <b>56024</b>  | -            | -          | 50000        | -     | 25  | -                  | -     |
| 4"     | 5/8"  | 36   | -              | <b>56036</b>  | -            | -          | 50001        | -     | 25  | -                  | -     |
| 4"     | 5/8"  | 50   | -              | <b>56050</b>  | -            | -          | 50002        | -     | 25  | -                  | -     |
| 4"     | 5/8"  | 60   | -              | <b>56060</b>  | -            | -          | 50003        | -     | 25  | -                  | -     |
| 4"     | 5/8"  | 80   | -              | <b>56080</b>  | -            | -          | 50004        | -     | 25  | -                  | -     |
| 4"     | 5/8"  | 120  | -              | <b>56120</b>  | -            | -          | 50006        | -     | 25  | -                  | -     |
| 4-1/2" | 7/8"  | 16   | <b>52416</b>   | <b>51022</b>  | -            | 50090      | <b>50008</b> | -     | 25  | -                  | -     |
| 4-1/2" | 7/8"  | 24   | <b>52424</b>   | <b>51024</b>  | -            | 50091      | <b>50010</b> | -     | 25  | 50120              | -     |
| 4-1/2" | 7/8"  | 36   | <b>52436</b>   | <b>51036</b>  | <b>52890</b> | 50092      | <b>50011</b> | 50060 | 25  | 50121              | 50148 |
| 4-1/2" | 7/8"  | 50   | <b>52450</b>   | <b>51050</b>  | <b>52891</b> | 50093      | <b>50012</b> | 50061 | 25  | 50122              | 50149 |
| 4-1/2" | 7/8"  | 60   | <b>52460</b>   | <b>51060</b>  | <b>52892</b> | 50094      | <b>50013</b> | 50062 | 25  | 50123              | 50150 |
| 4-1/2" | 7/8"  | 80   | <b>52480</b>   | <b>51080</b>  | <b>52893</b> | 50095      | <b>50014</b> | 50063 | 25  | 50124              | 50151 |
| 4-1/2" | 7/8"  | 100  | <b>52400</b>   | <b>51100</b>  | <b>52894</b> | 50096      | <b>50015</b> | 50064 | 25  | 50125              | 50152 |
| 4-1/2" | 7/8"  | 120  | <b>52420</b>   | <b>51120</b>  | <b>52895</b> | 50097      | <b>50016</b> | 50065 | 25  | 50126              | 50153 |
| 5"     | 7/8"  | 16   | <b>52516</b>   | <b>53016</b>  | -            | 50290      | <b>50018</b> | -     | 25  | -                  | -     |
| 5"     | 7/8"  | 24   | <b>52524</b>   | <b>53024</b>  | -            | 50291      | <b>50020</b> | -     | 25  | 50127              | -     |
| 5"     | 7/8"  | 36   | <b>52536</b>   | <b>53036</b>  | <b>52810</b> | 50292      | <b>50021</b> | 50040 | 25  | 50128              | 50154 |
| 5"     | 7/8"  | 50   | <b>52550</b>   | <b>53050</b>  | <b>52811</b> | 50293      | <b>50022</b> | 50041 | 25  | 50129              | 50155 |
| 5"     | 7/8"  | 60   | <b>52560</b>   | <b>53060</b>  | <b>52812</b> | 50294      | <b>50023</b> | 50042 | 25  | 50130              | 50156 |
| 5"     | 7/8"  | 80   | <b>52580</b>   | <b>53080</b>  | <b>52813</b> | 50295      | <b>50024</b> | 50043 | 25  | 50131              | 50157 |
| 5"     | 7/8"  | 100  | -              | <b>53100</b>  | <b>52814</b> | -          | <b>50025</b> | 50044 | 25  | 50132              | 50158 |
| 5"     | 7/8"  | 120  | <b>52520</b>   | <b>53120</b>  | <b>52815</b> | 50297      | <b>50026</b> | 50045 | 25  | 50133              | 50159 |
| 7"     | 7/8"  | 16   | <b>52716*</b>  | <b>57016*</b> | -            | 50050      | <b>50030</b> | -     | 25  | -                  | -     |
| 7"     | 7/8"  | 24   | <b>52724*</b>  | <b>57024*</b> | -            | 50051      | <b>50031</b> | -     | 25  | 50134              | -     |
| 7"     | 7/8"  | 36   | <b>52736</b>   | <b>57036</b>  | <b>52836</b> | 50052      | <b>50032</b> | 50070 | 25  | 50135              | 50160 |
| 7"     | 7/8"  | 50   | <b>52750</b>   | <b>57050</b>  | <b>52850</b> | 50383      | <b>50033</b> | 50071 | 25  | 50136              | 50161 |
| 7"     | 7/8"  | 60   | <b>52760</b>   | <b>57060</b>  | <b>52860</b> | 50384      | <b>50034</b> | 50072 | 25  | 50137              | 50162 |
| 7"     | 7/8"  | 80   | <b>52780</b>   | <b>57080</b>  | <b>52880</b> | 50385      | <b>50035</b> | 50073 | 25  | 50138              | 50163 |
| 7"     | 7/8"  | 100  | -              | <b>57090</b>  | <b>52100</b> | -          | <b>50036</b> | 50074 | 25  | 50139              | 50164 |
| 7"     | 7/8"  | 120  | <b>52720</b>   | <b>57120</b>  | <b>52125</b> | 50387      | <b>50037</b> | 50075 | 25  | 50140              | 50165 |
| 9-1/8" | 7/8"  | 16   | -              | <b>58016</b>  | -            | -          | 50080        | -     | 20  | -                  | -     |
| 9-1/8" | 7/8"  | 24   | -              | <b>58024</b>  | -            | -          | 50081        | -     | 20  | 50141              | -     |
| 9-1/8" | 7/8"  | 36   | -              | <b>58036</b>  | -            | -          | 50082        | -     | 20  | 50142              | -     |
| 9-1/8" | 7/8"  | 50   | -              | <b>58050</b>  | -            | -          | 50083        | -     | 25  | 50143              | -     |
| 9-1/8" | 7/8"  | 60   | -              | <b>58060</b>  | -            | -          | 50084        | -     | 25  | 50144              | -     |
| 9-1/8" | 7/8"  | 80   | -              | <b>58080</b>  | -            | -          | 50085        | -     | 25  | 50145              | -     |
| 9-1/8" | 7/8"  | 100  | -              | <b>58090</b>  | -            | -          | 50086        | -     | 25  | 50146              | -     |
| 9-1/8" | 7/8"  | 120  | -              | <b>58120</b>  | -            | -          | 50087        | -     | 25  | 50147              | -     |

Bold part numbers are stock items | Blue Line™ Custom Discs minimum order - 100 | SAIT-LOK™ Custom Discs minimum order - 150  
 Part #s with asterisk (\*) are 50 pieces per spindle | All custom fiber discs are non-cancellable and non-returnable



Angle Grinder

Bold part numbers are stock items  
 Blue Line™ Custom Discs min. order qty 100pcs  
 SAIT-LOK™ Custom Discs min. order qty 150pcs

Stock and Custom

Spiralcool™ and SAIT-LOK™ backing pads available on page 131.

Backing Pads

See page 73 for packaging descriptions



## AZ-X ZIRCONIUM BLEND (ECONOMICAL)

- Zirconium/Aluminum Oxide Blend
- Excellent, economical choice

**STAINLESS** Stainless steel, high tensile alloys

**METAL** Ferrous and/or non-ferrous metals (iron, steel, welds, etc.)

## Z – ZIRCONIUM (AGGRESSIVE GRINDING)

- Premium zirconium grain, closed coat structure
- Good for aggressive stock removal and long life on a variety of materials

**STAINLESS** Stainless steel, high tensile alloys

**METAL** Ferrous and/or non-ferrous metals (iron, steel, welds, etc.)

| DIA    | ARBOR | GRIT | BULK (100 PCS) |               | BLUE LINE™ |              |     | SAIT-LOK™ (15 PCS) |  |
|--------|-------|------|----------------|---------------|------------|--------------|-----|--------------------|--|
|        |       |      | AZ-X           | Z             | AZ-X       | Z            | QTY | Z                  |  |
| 4-1/2" | 7/8"  | 24   | <b>69224</b>   | <b>59224</b>  | 60001      | <b>59424</b> | 25  | 50166              |  |
| 4-1/2" | 7/8"  | 36   | <b>69226</b>   | <b>59236</b>  | 60002      | <b>59436</b> | 25  | 50167              |  |
| 4-1/2" | 7/8"  | 50   | <b>69250</b>   | <b>59250</b>  | 60003      | <b>59450</b> | 25  | 50168              |  |
| 4-1/2" | 7/8"  | 60   | <b>69260</b>   | <b>59260</b>  | 60004      | <b>59460</b> | 25  | 50169              |  |
| 4-1/2" | 7/8"  | 80   | <b>69280</b>   | <b>59280</b>  | 60005      | <b>59480</b> | 25  | 50170              |  |
| 5"     | 7/8"  | 24   | <b>69324</b>   | <b>59324</b>  | 60007      | <b>59524</b> | 25  | 50171              |  |
| 5"     | 7/8"  | 36   | <b>69336</b>   | <b>59336</b>  | 60008      | <b>59536</b> | 25  | 50172              |  |
| 5"     | 7/8"  | 50   | <b>69350</b>   | <b>59350</b>  | 60009      | <b>59550</b> | 25  | 50173              |  |
| 5"     | 7/8"  | 60   | <b>69360</b>   | <b>59360</b>  | 60010      | <b>59560</b> | 25  | 50174              |  |
| 5"     | 7/8"  | 80   | <b>69380</b>   | <b>59380</b>  | 60011      | <b>59580</b> | 25  | 50175              |  |
| 7"     | 7/8"  | 24   | <b>69624*</b>  | <b>59624*</b> | 60071      | <b>59724</b> | 25  | 50176              |  |
| 7"     | 7/8"  | 36   | <b>69636</b>   | <b>59636</b>  | 60072      | <b>59736</b> | 25  | 50177              |  |
| 7"     | 7/8"  | 50   | <b>69650</b>   | <b>59650</b>  | 60073      | <b>59750</b> | 25  | 50178              |  |
| 7"     | 7/8"  | 60   | <b>69660</b>   | <b>59660</b>  | 60074      | <b>59760</b> | 25  | 50179              |  |
| 7"     | 7/8"  | 80   | <b>69680</b>   | <b>59680</b>  | 60075      | <b>59780</b> | 25  | 50180              |  |
| 9-1/8" | 7/8"  | 24   | –              | <b>59824</b>  | –          | 59924        | 20  | 50181              |  |
| 9-1/8" | 7/8"  | 36   | –              | <b>59836</b>  | –          | 59936        | 20  | 50182              |  |

Bold part numbers are stock items | Blue Line™ Custom Discs minimum order - 100 | SAIT-LOK™ Custom Discs minimum order - 150  
Part #s with asterisk (\*) are 50 pieces per spindle | All custom fiber discs are non-cancellable and non-returnable



Angle Grinder

Bold part numbers are stock items  
Blue Line™ Custom Discs min. order qty 100pcs  
SAIT-LOK™ Custom Discs min. order qty 150pcs

### Stock and Custom

Spiralcool™ and SAIT-LOK™ backing pads available on page 131.

### Backing Pads

See page 73 for packaging descriptions

### TECH INFO

- Use the zirconium fiber disc for aggressive stock removal on carbon steel
- Resin over resin construction for a strong bond that is resistant to heat and moisture
- Vulcanized fiber backing for heavy duty sanding
- Available with SAIT-LOK™ quick change hub which extends disc life and requires fewer disc changes

# FIBER DISCS - CERAMIC



## 7S CERAMIC (HIGH PERFORMANCE)

- High performance, ceramic grain
- Excellent for carbon steel grinding and finishing

**METAL** Carbon steel, cast iron



## 9S CERAMIC (GRINDING AID)

- Excels on heat sensitive materials (stainless steel, etc.) and non-ferrous metals (aluminum, etc.) with an exceptional performance and value
- High performance, ceramic aluminum oxide grain
- Grinding aids for reduced heat and decreased loading

**STAINLESS** Stainless steel, high tensile steel, titanium

**METAL** Carbon steel, cast iron

**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)

| DIA    | ARBOR | GRIT | BULK (100 PCS) |               | BLUE LINE™ (25 PCS) |       | SAIT-LOK™ (15 PCS) |       |
|--------|-------|------|----------------|---------------|---------------------|-------|--------------------|-------|
|        |       |      | 7S             | 9S            | 7S                  | 9S    | 7S                 | 9S    |
| 4-1/2" | 7/8"  | 24   | <b>57424</b>   | <b>51342</b>  | 57224               | 50510 | 50999              | 50338 |
| 4-1/2" | 7/8"  | 36   | <b>57436</b>   | <b>51343</b>  | 57225               | 50511 | 51000              | 50339 |
| 4-1/2" | 7/8"  | 50   | <b>57450</b>   | <b>51344</b>  | 57226               | 50512 | 51001              | 50340 |
| 4-1/2" | 7/8"  | 60   | <b>57460</b>   | <b>51345</b>  | 57227               | 50513 | 51002              | 50341 |
| 4-1/2" | 7/8"  | 80   | <b>57480</b>   | <b>59113</b>  | 57228               | 56313 | 51003              | 50342 |
| 4-1/2" | 7/8"  | 120  | –              | <b>59115</b>  | –                   | –     | –                  | 50344 |
| 5"     | 7/8"  | 24   | <b>57524</b>   | <b>51352</b>  | 57234               | 50520 | 51007              | 50348 |
| 5"     | 7/8"  | 36   | <b>57536</b>   | <b>51353</b>  | 57235               | 50521 | 51008              | 50349 |
| 5"     | 7/8"  | 50   | <b>57550</b>   | <b>51354</b>  | 57236               | 50522 | 51009              | 50350 |
| 5"     | 7/8"  | 60   | <b>57560</b>   | <b>51355</b>  | 57237               | 50523 | 51010              | 50351 |
| 5"     | 7/8"  | 80   | <b>57580</b>   | <b>59133</b>  | 57238               | 56333 | 51011              | 50352 |
| 5"     | 7/8"  | 120  | –              | <b>59135</b>  | –                   | –     | –                  | 50354 |
| 7"     | 7/8"  | 24   | <b>57724*</b>  | <b>51372*</b> | 57244               | 50530 | 51015              | 50358 |
| 7"     | 7/8"  | 36   | <b>57736</b>   | <b>51373</b>  | 57245               | 50531 | 51016              | 50359 |
| 7"     | 7/8"  | 50   | <b>57750</b>   | <b>51374</b>  | 57246               | 50532 | 51017              | 50370 |
| 7"     | 7/8"  | 60   | <b>57760</b>   | <b>51375</b>  | 57247               | 50533 | 51018              | 50371 |
| 7"     | 7/8"  | 80   | <b>57780</b>   | <b>59153</b>  | 57248               | 56353 | 51019              | 50372 |
| 7"     | 7/8"  | 120  | –              | <b>59155</b>  | –                   | –     | –                  | 50373 |

Bold part numbers are stock items | Blue Line™ Custom Discs minimum order - 100 | SAIT-LOK™ Custom Discs minimum order - 150  
Part #s with asterisk (\*) are 50 pieces per spindle | All custom fiber discs are non-cancellable and non-returnable



### Angle Grinder

Bold part numbers are stock items  
Blue Line™ Custom Discs min. order qty 100pcs  
SAIT-LOK™ Custom Discs min. order qty 150pcs

### Stock and Custom

Spiralcool™ and SAIT-LOK™ backing pads available on page 131.

### Backing Pads

See page 73 for packaging descriptions

### TECH INFO

- Resin over resin construction for a strong bond that is resistant to heat and moisture
- Vulcanized fiber backing for heavy duty sanding
- Available with SAIT-LOK™ quick change hub which extends disc life and requires fewer disc changes





## 7-II CERAMIC (PREMIUM PERFORMANCE)

- Our highest performing disc for carbon steel
- High density ceramic grain for maximum performance

**METAL** Carbon steel, cast iron

| DIA    | ARBOR | GRIT | BULK (100 PCS) |              | SAIT-LOK™ (15 PCS) |       |
|--------|-------|------|----------------|--------------|--------------------|-------|
|        |       |      | 7-II           | 9.3          | 7-II               | 9.3   |
| 4-1/2" | 7/8"  | 36+  | <b>56361</b>   | <b>58207</b> | 56461              | 58307 |
| 4-1/2" | 7/8"  | 50+  | <b>56362</b>   | <b>58208</b> | 56462              | 58308 |
| 4-1/2" | 7/8"  | 60+  | <b>56363</b>   | <b>58209</b> | 56463              | 58309 |
| 4-1/2" | 7/8"  | 80+  | —              | <b>58210</b> | —                  | 58310 |
| 5"     | 7/8"  | 36+  | <b>56367</b>   | <b>58211</b> | 56467              | 58311 |
| 5"     | 7/8"  | 50+  | <b>56368</b>   | <b>58212</b> | 56468              | 58312 |
| 5"     | 7/8"  | 60+  | <b>56369</b>   | <b>58213</b> | 56469              | 58313 |
| 5"     | 7/8"  | 80+  | <b>56370</b>   | <b>58214</b> | 56470              | 58314 |
| 6"     | 7/8"  | 36+  | <b>56371</b>   | <b>58215</b> | 56471              | 58315 |
| 6"     | 7/8"  | 60+  | <b>56372</b>   | <b>58217</b> | 56472              | 58317 |
| 7"     | 7/8"  | 36+  | <b>56373</b>   | <b>58219</b> | 56473              | 58319 |
| 7"     | 7/8"  | 50+  | <b>56374</b>   | <b>58220</b> | 56474              | 58320 |
| 7"     | 7/8"  | 60+  | <b>56375</b>   | <b>58221</b> | 56475              | 58321 |
| 7"     | 7/8"  | 80+  | <b>56376</b>   | <b>58222</b> | 56476              | 58322 |
| 9-1/8" | 7/8"  | 36+  | —              | <b>58225</b> | —                  | 58325 |
| 9-1/8" | 7/8"  | 60+  | —              | <b>58227</b> | —                  | 58327 |
| 9-1/8" | 7/8"  | 80+  | —              | <b>58228</b> | —                  | 58328 |

**NEW  
SIZE**

Bold part numbers are stock items - SAIT-LOK™ Custom Discs minimum order - 150  
All custom fiber discs are non-cancellable and non-returnable

## 9.3 POWER MAX CERAMIC (PREMIUM PERFORMANCE WITH GRINDING AID)

- Our highest performing disc for stainless and high alloyed steels
- 100% ceramic abrasive grain for exceptional grinding performance
- Special grinding aids for reduced heat and loading and allows for cool cutting under the most demanding applications

**STAINLESS** Stainless steel, high tensile alloys

**METAL** Carbon steel, cast iron

**ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)



COATED ABRASIVES



## C SILICON CARBIDE

- Silicon carbide grain
- Close coat structure for more material removal on various materials
- Recessed center hole helps avoid scratching of the surface

**CONCRETE** Glass, marble, ceramic, hard cast iron

**METAL** Ferrous and/or non-ferrous metals

| DIA | ARBOR | GRIT | BULK (100 PCS) | BLUE LINE™ (25 PCS) |
|-----|-------|------|----------------|---------------------|
|     |       |      | C              | C                   |
| 7"  | 7/8"  | 16   | <b>54016*</b>  | 50100               |
| 7"  | 7/8"  | 24   | <b>54024*</b>  | 50101               |
| 7"  | 7/8"  | 36   | <b>54036</b>   | 50102               |
| 7"  | 7/8"  | 60   | <b>54060</b>   | 50104               |
| 7"  | 7/8"  | 80   | <b>54080</b>   | 50105               |
| 7"  | 7/8"  | 120  | <b>54120</b>   | 50107               |
| 7"  | 7/8"  | 220  | <b>54220</b>   | 50110               |

Bold part numbers are stock items - BLUE LINE™ Custom Discs minimum order - 100  
Part #s with asterisk (\*) are 50 pieces per spindle  
All custom fiber discs are non-cancellable and non-returnable

See page 73 for packaging descriptions

### TECH INFO

- Resin over resin construction for a strong bond that is resistant to heat and moisture
- Vulcanized fiber backing for heavy duty sanding
- Available with SAIT-LOK™ quick change hub which extends disc life and requires fewer disc changes



Angle Grinder

Bold part numbers are stock items  
Blue Line™ Custom Discs min. order qty 100pcs  
SAIT-LOK™ Custom Discs min. order qty 150pcs

Stock and Custom

Spiralool™ and SAIT-LOK™ backing pads available on page 131.

Backing Pads

# STOCK BELTS

## ALUMINUM OXIDE CLOTH GENERAL PURPOSE

### 1A-X / 2A-X ALUMINUM OXIDE - CLOSED COAT

- Semi-friable (1A-X) / heat-treated (2A-X) aluminum oxide grain
- X-weight cotton backing
- For general purpose grinding and finishing

**METAL** Ferrous and/or non-ferrous metals, cast iron

**STAINLESS** Stainless steel, high tensile steel alloys

**ALUMINUM** Aluminum

**WOOD** Soft and/or hard woods

### AO-X ALUMINUM OXIDE - OPEN COAT

- Semi-friable aluminum oxide grain
- X-weight cotton backing
- For general purpose, open coat grinding, polishing and finishing of materials that have a tendency to load

**METAL** Ferrous and/or non-ferrous metals, cast iron

**ALUMINUM** Aluminum

**WOOD** Soft and/or hard woods

### SAIT-SAVER™ /

### LA-X ALUMINUM OXIDE - ECONOMICAL

- Economic alternative for belts
- Economy aluminum oxide, closed coat, X-weight cotton
- For low cost sanding and finishing of ordinary and alloyed steels, ferrous and non-ferrous metals, cast iron and wood
- A good choice where price and best value is the determining factor
- Shrink-wrapped in quantities of 10

**METAL** Ferrous and/or non-ferrous metals, cast iron

**STAINLESS** Stainless steel, high tensile steel alloys

**ALUMINUM** Aluminum

**WOOD** Soft and/or hard woods

## ZIRCONIA ALUMINA CLOTH PREMIUM

### Z-H ZIRCONIA ALUMINA - HEAVY DUTY - CLOSED COAT

- Heavy duty
- Zirconia alumina abrasive material
- H-weight, waterproof polyester backing for heavy duty grinding and finishing

**STAINLESS** Stainless steel, high tensile steel alloys

**METAL** Ferrous and/or non-ferrous metals, cast iron

**ALUMINUM** Aluminum

## CERAMIC ALUMINUM OXIDE CLOTH HIGH PERFORMANCE

### 9S-H CERAMIC ALUMINUM OXIDE (GRINDING AID)

- Excels on heat sensitive materials (stainless steel, etc.) and non-ferrous metals (aluminum, etc.) with an exceptional performance and value
- High performance, ceramic aluminum oxide grain
- Grinding aids for reduced heat and decreased loading

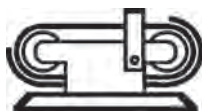
**STAINLESS** Stainless steel, high tensile alloys, titanium

**METAL** Carbon steel, cast iron

**ALUMINUM** Non-ferrous metals  
(aluminum, copper, brass, etc.)



Backstand Sander



Benchstand Sander



File Sander



Portable Sander

## KEY FEATURES

- A complete selection of the most popular belt sizes and materials in stock and ready to ship
- Available in aluminum oxide, zirconium and ceramic
- All United Abrasives' belts feature a high strength butt joint for maximum strength and long life
- Choose 24 – 50 grits for rough/heavy-duty applications, 60 – 100 for intermediate grinding and sanding, and 100 – 320 for finishing/polishing applications



### QUICK SHIP™ (SHRINK-WRAPPED) PACKAGING

SHRINK-WRAPPED IN  
QUANTITIES OF 10



### BLUE LINE™ PREMIUM PACKAGING

SUPPLIED IN EITHER 5 OR 10  
BELTS PER BOX

DESIGNED TO BE DISPLAYED  
ON HOOKS OR SHELVING



# STOCK BELTS - ALUMINUM OXIDE

## 1A-X / 2A-X ALUMINUM OXIDE - CLOSED COAT

- Semi-friable (1A-X) / heat-treated (2A-X) aluminum oxide grain
- X-weight cotton backing
- For general purpose grinding and finishing

**METAL** Ferrous and/or non-ferrous metals, cast iron

**STAINLESS** Stainless steel, high tensile steel alloys

**ALUMINUM** Aluminum

**WOOD** Soft and/or hard woods

### QUICK SHIP™ (SHRINK-WRAPPED) PACKAGING

| WIDTH  | LENGTH  | QTY | GRIT  |       |       |       |       |       |       |       |       |       |       |       |
|--------|---------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|        |         |     | 24    | 36    | 40    | 50    | 60    | 80    | 100   | 120   | 150   | 180   | 220   | 320   |
| 1/4"   | 18"     | 10  | –     | 60016 | 60017 | 60018 | 60019 | 60020 | 60021 | 60022 | –     | –     | –     | –     |
| 1/4"   | 24"     | 10  | –     | 60030 | 60031 | 60032 | 60033 | 60034 | 60035 | 60036 | –     | –     | –     | –     |
| 3/8"   | 13"     | 10  | –     | 61121 | 61122 | 61123 | 61124 | 61125 | 61126 | 61127 | –     | –     | –     | –     |
| 1/2"   | 12"     | 10  | –     | 60044 | 60045 | 60046 | 60047 | 60048 | 60049 | 60050 | –     | –     | –     | –     |
| 1/2"   | 13"     | 10  | –     | 67374 | 60100 | –     | 67421 | 60103 | –     | –     | –     | –     | –     | –     |
| 1/2"   | 18"     | 10  | –     | 60058 | 60059 | 60060 | 60061 | 60062 | 60063 | 60064 | –     | –     | –     | –     |
| 1/2"   | 24"     | 10  | –     | 60086 | 60087 | 60088 | 60089 | 60090 | 60091 | 60092 | –     | –     | –     | –     |
| 3/4"   | 18"     | 10  | –     | 60114 | 60115 | 60116 | 60117 | 60118 | 60119 | 60120 | –     | –     | –     | –     |
| 3/4"   | 20-1/2" | 10  | –     | 60128 | 60129 | 60130 | 60131 | 60132 | 60133 | 60134 | –     | –     | –     | –     |
| 1"     | 21"     | 10  | –     | 60254 | 60255 | 60256 | 60257 | 60258 | 60259 | 60260 | –     | –     | –     | –     |
| 1"     | 30"     | 10  | –     | 61094 | 61095 | 61096 | 61097 | 61098 | 61099 | 61100 | –     | –     | –     | –     |
| 1"     | 42"     | 10  | –     | 60310 | 60311 | 60312 | 60313 | 60314 | 60315 | 60316 | 60317 | 60318 | 60319 | 60322 |
| 1-1/2" | 60"     | 10  | –     | 61133 | 61134 | –     | 61136 | 61137 | 61138 | 61139 | –     | –     | –     | –     |
| 2"     | 48"     | 10  | –     | 60506 | 60507 | 60508 | 60509 | 60510 | 60511 | 60512 | –     | –     | –     | –     |
| 2"     | 60"     | 10  | –     | 60520 | 60521 | 60522 | 60523 | 60524 | 60525 | 60526 | –     | –     | –     | –     |
| 2"     | 72"     | 10  | –     | 60534 | 60535 | 60536 | 60537 | 60538 | 60539 | 60540 | –     | –     | –     | –     |
| 2"     | 132"    | 10  | –     | 60576 | 60577 | 60578 | 60579 | 60580 | 60581 | 60582 | –     | –     | –     | –     |
| 2-1/2" | 48"     | 10  | –     | 66104 | 66105 | 66106 | 66107 | 66108 | –     | 66110 | –     | –     | –     | –     |
| 2-1/2" | 60"     | 10  | –     | 61108 | 61109 | 61110 | 61111 | 61112 | 61113 | 61114 | –     | –     | –     | –     |
| 3"     | 132"    | 10  | –     | 60772 | 60773 | 60774 | 60775 | 60776 | 60777 | 60778 | –     | –     | –     | –     |
| 3-1/2" | 15-1/2" | 10  | –     | 61145 | 61146 | 61147 | 61148 | 61149 | 61150 | 61151 | –     | –     | –     | –     |
| 4"     | 36"     | 10  | 60855 | 60856 | 60857 | 60858 | 60859 | 60860 | 60861 | 60862 | 60863 | 60864 | 60865 | 60868 |
| 4"     | 60"     | 10  | –     | 60222 | 60223 | 60224 | 60225 | 60226 | –     | –     | –     | –     | –     | –     |
| 6"     | 48"     | 10  | 61023 | 61024 | 61025 | 61026 | 61027 | 61028 | 61029 | 61030 | 61031 | 61032 | 61033 | 61036 |
| 6"     | 89"     | 10  | –     | 66190 | 66191 | –     | 66193 | 66194 | 66195 | 66196 | –     | –     | –     | –     |

### BLUE LINE™ PREMIUM PACKAGING

| WIDTH | LENGTH | QTY | GRIT   |        |        |       |       |       |       |       |       |       |       |       |
|-------|--------|-----|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       |        |     | 24     | 36     | 40     | 50    | 60    | 80    | 100   | 120   | 150   | 180   | 220   | 320   |
| 3"    | 18"    | 10  | 57100* | 57101* | 57102* | 57103 | 57104 | 57105 | 57106 | 57107 | 57108 | 57109 | 57110 | 57113 |
| 3"    | 21"    | 10  | 57200* | 57201* | 57202* | 57203 | 57204 | 57205 | 57206 | 57207 | 57208 | 57209 | 57210 | 57213 |
| 3"    | 24"    | 10  | 57500* | 57501* | 57502* | 57503 | 57504 | 57505 | 57506 | 57507 | 57508 | 57509 | 57510 | 57513 |
| 4"    | 24"    | 10  | 57900* | 57901* | 57902* | 57903 | 57904 | 57905 | 57906 | 57907 | 57908 | 57909 | 57910 | 57913 |

\* Packaging contains quantity of 5 belts

See page 79 for packaging descriptions

## AO-X ALUMINUM OXIDE - OPEN COAT

- Semi-friable aluminum oxide grain
- X-weight cotton backing
- For general purpose, open coat grinding, polishing and finishing of materials that have a tendency to load

**METAL** Ferrous and/or non-ferrous metals, cast iron

**ALUMINUM** Aluminum

**WOOD** Soft and/or hard woods

### QUICK SHIP™ (SHRINK-WRAPPED) PACKAGING

| WIDTH | LENGTH | QTY | GRIT  |       |       |       |       |       |       |       |       |       |
|-------|--------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       |        |     | 24    | 36    | 40    | 50    | 60    | 80    | 100   | 120   | 150   | 180   |
| 3"    | 18"    | 10  | 63230 | 63231 | 63232 | 63233 | 63234 | 63235 | 63236 | 63237 | 63238 | –     |
| 6"    | 48"    | 10  | 63250 | 63251 | 63252 | 63253 | 63254 | 63255 | 63256 | 63257 | 63258 | 63259 |

### BLUE LINE™ PREMIUM PACKAGING

| WIDTH | LENGTH | QTY | GRIT   |        |        |       |       |       |       |       |       |       |
|-------|--------|-----|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
|       |        |     | 24     | 36     | 40     | 50    | 60    | 80    | 100   | 120   | 150   | 180   |
| 3"    | 21"    | 10  | 58160* | 58161* | 58162* | 58163 | 58164 | 58165 | 58166 | 58167 | 58168 | 58169 |
| 3"    | 24"    | 10  | 58170* | 58171* | 58172* | 58173 | 58174 | 58175 | 58176 | 58177 | 58178 | 58179 |
| 4"    | 21"    | 10  | 58180* | 58181* | 58182* | 58183 | 58184 | 58185 | 58186 | 58187 | 58188 | 58189 |
| 4"    | 24"    | 10  | 58190* | 58191* | 58192* | 58193 | 58194 | 58195 | 58196 | 58197 | 58198 | 58199 |

\* Packaging contains quantity of 5 belts

## SAIT-SAVER™ / LA-X ALUMINUM OXIDE - ECONOMICAL

- Economic alternative for belts
- Economy aluminum oxide, closed coat, X-weight cotton
- For low cost sanding and finishing of ordinary and alloyed steels, ferrous and non-ferrous metals, cast iron and wood
- A good choice where price and best value is the determining factor
- Shrink-wrapped in quantities of 10

**METAL** Ferrous and/or non-ferrous metals, cast iron

**STAINLESS** Stainless steel, high tensile steel alloys

**ALUMINUM** Aluminum

**WOOD** Soft and/or hard woods

### QUICK SHIP™ (SHRINK-WRAPPED) PACKAGING

| WIDTH  | LENGTH | QTY | GRIT  |       |       |       |       |       |
|--------|--------|-----|-------|-------|-------|-------|-------|-------|
|        |        |     | 40    | 50    | 60    | 80    | 100   | 120   |
| 1"     | 42"    | 10  | 60623 | 60624 | 60625 | 60626 | 60627 | 60628 |
| 2-1/2" | 14"    | 10  | 63381 | 63382 | 63383 | 63384 | 63385 | 63386 |
| 3"     | 21"    | 10  | 55342 | 55343 | 55344 | 55345 | 55346 | 55347 |
| 3"     | 24"    | 10  | 55352 | 55353 | 55354 | 55355 | 55356 | 55357 |
| 4"     | 24"    | 10  | 55362 | 55363 | 55364 | 55365 | 55366 | 55367 |
| 4"     | 36"    | 10  | 60663 | 60664 | 60665 | 60666 | 60667 | 60668 |
| 6"     | 48"    | 10  | 60683 | 60684 | 60685 | 60686 | 60687 | 60688 |

See page 79 for packaging descriptions

# STOCK BELTS - ZIRCONIUM

## Z-H ZIRCONIA ALUMINA - HEAVY DUTY - CLOSED COAT

- Heavy duty
- Zirconia alumina abrasive material
- H-weight, waterproof polyester backing for heavy duty grinding and finishing

**STAINLESS** Stainless steel, high tensile steel alloys

**METAL** Ferrous and/or non-ferrous metals, cast iron

**ALUMINUM** Aluminum

### QUICK SHIP™ (SHRINK-WRAPPED) PACKAGING

| WIDTH  | LENGTH  | QTY | GRIT  |       |       |       |       |
|--------|---------|-----|-------|-------|-------|-------|-------|
|        |         |     | 36    | 40    | 50    | 60    | 80    |
| 1/4"   | 18"     | 10  | 64016 | 64017 | 64018 | 64019 | 64020 |
| 1/4"   | 24"     | 10  | 64030 | 64031 | 64032 | 64033 | 64034 |
| 3/8"   | 13"     | 10  | 66406 | 66407 | 66408 | 66409 | 66410 |
| 1/2"   | 12"     | 10  | 66411 | 66412 | 66413 | 66414 | 66415 |
| 1/2"   | 18"     | 10  | 64058 | 64059 | 64060 | 64061 | 64062 |
| 1/2"   | 24"     | 10  | 64086 | 64087 | 64088 | 64089 | 64090 |
| 3/4"   | 18"     | 10  | 64114 | 64115 | 64116 | 64117 | 64118 |
| 3/4"   | 20-1/2" | 10  | 64128 | 64129 | 64130 | 64131 | 64132 |
| 1"     | 30"     | 10  | 58147 | 58148 | –     | 58149 | 58150 |
| 1"     | 42"     | 10  | 58152 | 58153 | 58154 | 58155 | 58156 |
| 1-1/2" | 60"     | 10  | 66436 | 66437 | –     | 66439 | 66440 |
| 2"     | 48"     | 10  | 66446 | 66447 | 66448 | 66449 | 66450 |
| 2"     | 60"     | 10  | 64520 | 64521 | 64522 | 64523 | 64524 |
| 2"     | 72"     | 10  | 64534 | 64535 | 64536 | 64537 | 64538 |
| 2"     | 132"    | 10  | 66461 | 66462 | –     | 66464 | 66465 |
| 2-1/2" | 60"     | 10  | 65108 | 65109 | 65110 | 65111 | 65112 |
| 3"     | 79"     | 10  | 66472 | 66473 | 66474 | 66475 | 66476 |
| 3"     | 132"    | 10  | 64772 | 64773 | 64774 | 64775 | 64776 |
| 4"     | 36"     | 10  | 66492 | 66493 | –     | 66495 | 66496 |
| 4"     | 60"     | 10  | 66502 | 66503 | –     | 66505 | –     |
| 4"     | 132"    | 10  | 64982 | 64983 | –     | 64985 | –     |
| 6"     | 48"     | 10  | 58142 | 58143 | 58144 | 58145 | 58146 |

### BLUE LINE™ PREMIUM PACKAGING

| WIDTH | LENGTH | QTY | GRIT   |        |       |       |       |
|-------|--------|-----|--------|--------|-------|-------|-------|
|       |        |     | 36     | 40     | 50    | 60    | 80    |
| 4"    | 24"    | 10  | 58132* | 58133* | 58134 | 58135 | 58136 |

\* Packaging contains quantity of 5 belts

See page 79 for packaging descriptions



## 9S-H CERAMIC ALUMINUM OXIDE (GRINDING AID)

- Excels on heat sensitive materials (stainless steel, etc.) and non-ferrous metals (aluminum, etc.) with an exceptional performance and value
- High performance, ceramic aluminum oxide grain
- Grinding aids for reduced heat and decreased loading

**STAINLESS** Stainless steel, high tensile alloys, titanium

**METAL** Carbon steel, cast iron

**ALUMINUM** Non-ferrous metals  
(aluminum, copper, brass, etc.)

### QUICK SHIP™ (SHRINK-WRAPPED) PACKAGING

| WIDTH  | LENGTH  | QTY | GRIT  |       |       |       |
|--------|---------|-----|-------|-------|-------|-------|
|        |         |     | 36    | 40    | 60    | 80    |
| 1/4"   | 18"     | 10  | 61201 | 61202 | 61203 | 61204 |
| 1/4"   | 24"     | 10  | 61207 | 61208 | 61209 | 61210 |
| 3/8"   | 13"     | 10  | 61213 | 61214 | 61215 | 61216 |
| 1/2"   | 12"     | 10  | 61219 | 61220 | 61221 | 61222 |
| 1/2"   | 18"     | 10  | 61225 | 61226 | 61227 | 61228 |
| 1/2"   | 24"     | 10  | 61230 | 61231 | 61232 | 61233 |
| 3/4"   | 18"     | 10  | 61235 | 61236 | 61237 | 61238 |
| 3/4"   | 20-1/2" | 10  | 61241 | 61242 | 61243 | 61244 |
| 1"     | 30"     | 10  | 61247 | 61248 | 61249 | 61250 |
| 1"     | 42"     | 10  | 61253 | 61254 | 61255 | 61256 |
| 1-1/2" | 60"     | 10  | 61259 | 61260 | 61261 | 61262 |
| 2"     | 48"     | 10  | 61265 | 61266 | 61267 | 61268 |
| 2"     | 60"     | 10  | 61271 | 61272 | 61273 | 61274 |
| 2"     | 72"     | 10  | 61277 | 61278 | 61279 | 61280 |
| 2-1/2" | 60"     | 10  | 61283 | 61284 | 61285 | 61286 |
| 3"     | 132"    | 10  | 61289 | 61290 | —     | —     |
| 3-1/2" | 15-1/2" | 10  | 61295 | 61296 | 61297 | 61298 |
| 4"     | 24"     | 10  | 61301 | 61302 | 61303 | 61304 |
| 6"     | 48"     | 10  | 61307 | 61308 | 61309 | 61310 |

See page 79 for packaging descriptions



## 6A STEARATED ALUMINUM OXIDE

- Our best economy disc
- Aluminum oxide grain
- Stearate coating and open coat structure lubricates and prevents loading
- Available with Hook & Loop or PSA backing

**PAINT** Body filler, paint, primers

**METAL** Ferrous metals

**ALUMINUM** Non-ferrous metals

**WOOD** Plastics, wood and fiberglass



## 3S STEARATED ALUMINUM OXIDE

- EXCELS ON WOOD AND BARE METAL SURFACES
- Aluminum oxide grain – For dry use only
- Stearate coating and open coat structure lubricates and prevents loading
- Available with Hook & Loop or PSA backing

**PAINT** Body filler, paint, primers

**METAL** Ferrous metals

**ALUMINUM** Non-ferrous metals

**WOOD** Plastics, wood and fiberglass



## 4S PREMIUM STEARATED ALUMINUM OXIDE

- EXCELS ON WOOD AND PRIMED SURFACES
- Our best performing, longest lasting paper disc
- Long lasting performance and fast removal rates for fine finishing of auto body, wood, metal, and marine applications
- Premium stearate coating and open coat structure lubricates and prevents loading – For dry use only
- Available with Hook & Loop or PSA backing

**PAINT** Body filler, paint, primers

**METAL** Ferrous metals

**ALUMINUM** Non-ferrous metals

**WOOD** Plastics, wood and fiberglass



## 6S PREMIUM STEARATED CERAMIC

- BEST IN CLASS – PREMIUM CERAMIC GRAIN
- Premium stearate coating prevents loading
- Fast stock removal with exceptional long life
- Available with Hook & Loop or PSA backing

**PAINT** Body filler, paint, primers

**METAL** Ferrous metals

**ALUMINUM** Non-ferrous metals

**WOOD** Plastics, wood and fiberglass



## GOLD STEARATED ALUMINUM OXIDE

- Aluminum oxide grain provides a fast cut with long life
- Stearate coating and semi open coat structure prevents loading – For dry use only
- For automotive body work, removing varnish from wood, sanding fiberglass, and for use on metal
- For use on random orbital or low speed DA sanders
- Available in PSA disc rolls

**PAINT** Body filler, paint, primers

**METAL** Ferrous metals

**ALUMINUM** Non-ferrous metals

**WOOD** Plastics, wood and fiberglass



## A-E ALUMINUM OXIDE – HEAVY DUTY

- For aggressive sanding, preparation and stock removal
- Aluminum oxide grain for material removal, long life and finishing
- Available with Hook & Loop or PSA backing

**WOOD** Wood, auto body applications and fiberglass

**METAL** Ferrous metals and non-ferrous metals



## Z-F PREMIUM ZIRCONIUM – HEAVY DUTY

- Best choice for aggressive sanding, preparation and stock removal
- Zirconium grain for aggressive material removal and long life
- Available with Hook & Loop or PSA backing

**METAL** Ferrous metals and non-ferrous metals

**WOOD** Wood, auto body applications and fiberglass



## C-E/C-F SILICON CARBIDE – HEAVY DUTY

- Premium silicon carbide grain on a tough paper backing
- Designed for fine finishing and long life
- Available with hook & loop backing

**CONCRETE** Marble, granite, solid surface, ceramics, concrete, plastic

**METAL** Ferrous metals and non-ferrous metals

## PSA PAPER DISCS ROLLS

- PSA (pressure sensitive adhesive) paper disc rolls are perforated for easy disc tear away from roll
- Packaged: 4 rolls per box (100 pieces per roll) / Gold Discs: 1 roll per box (100 pieces per roll)



| DIA | GRIT | GOLD  | 6A    | 3S    | 4S    | 6S    |
|-----|------|-------|-------|-------|-------|-------|
| 5"  | 80   | 36500 | 35410 | 36800 | 37800 | 35310 |
| 5"  | 100  | 36501 | —     | 36801 | 37801 | 35311 |
| 5"  | 120  | 36502 | 35412 | 36802 | 37802 | 35312 |
| 5"  | 150  | 36503 | 35413 | 36803 | 37803 | 35313 |
| 5"  | 180  | 36504 | 35414 | 36804 | 37804 | 35314 |
| 5"  | 220  | 36505 | 35415 | 36805 | 37805 | 35315 |
| 5"  | 240  | 36506 | —     | —     | 37806 | —     |
| 5"  | 280  | —     | —     | —     | 37807 | —     |
| 5"  | 320  | 36508 | 35417 | 36808 | 37808 | 35317 |
| 5"  | 400  | 36509 | —     | 36809 | —     | —     |
| 6"  | 80   | 36600 | 36410 | 36900 | 37900 | 36310 |
| 6"  | 100  | 36601 | —     | 36901 | 37901 | 36311 |
| 6"  | 120  | 36602 | 36412 | 36902 | 37902 | 36312 |
| 6"  | 150  | 36603 | 36413 | 36903 | 37903 | 36313 |
| 6"  | 180  | 36604 | 36414 | 36904 | 37904 | 36314 |
| 6"  | 220  | 36605 | 36415 | 36905 | 37905 | 36315 |
| 6"  | 240  | 36606 | —     | —     | 37906 | —     |
| 6"  | 280  | —     | —     | —     | 37907 | —     |
| 6"  | 320  | 36608 | 36417 | 36908 | 37908 | 36317 |
| 6"  | 400  | 36609 | —     | 36909 | —     | —     |

COATED ABRASIVES

## INDIVIDUAL PSA PAPER DISCS

- Individual PSA (pressure sensitive adhesive) paper discs are tabbed for easy removal of release paper



| DIA | GRIT | QUANTITY 100 |       |       |       | HEAVY DUTY - QTY 50 |        |
|-----|------|--------------|-------|-------|-------|---------------------|--------|
|     |      | 6A           | 3S    | 4S    | 6S    | A-E                 | Z-F    |
| 5"  | 40   | —            | —     | —     | —     | 34150               | 34110  |
| 5"  | 60   | —            | —     | —     | —     | 34152               | 34112  |
| 5"  | 80   | 35400        | 36520 | 37505 | 35300 | 34153               | 34113  |
| 5"  | 100  | —            | 36521 | 37506 | 35301 | —                   | —      |
| 5"  | 120  | 35402        | 36522 | 37507 | 35302 | 34155               | 34115  |
| 5"  | 150  | 35403        | 36523 | 37508 | 35303 | —                   | —      |
| 5"  | 180  | 35404        | 36524 | 37509 | 35304 | —                   | —      |
| 5"  | 220  | 35405        | 36525 | 37510 | 35305 | —                   | —      |
| 5"  | 320  | 35407        | 36528 | 37511 | 35307 | —                   | —      |
| 5"  | 400  | 35408        | —     | —     | 35308 | —                   | —      |
| 6"  | 40   | —            | —     | —     | —     | 34170               | 34130  |
| 6"  | 60   | —            | —     | —     | —     | 34172               | 34132  |
| 6"  | 80   | 36400        | 36620 | 37605 | 36300 | 34173               | 34133  |
| 6"  | 100  | —            | 36621 | 37606 | 36301 | —                   | —      |
| 6"  | 120  | 36402        | 36622 | 37607 | 36302 | 34175               | 34135  |
| 6"  | 150  | 36403        | 36623 | 37608 | 36303 | —                   | —      |
| 6"  | 180  | 36404        | 36624 | 37609 | 36304 | —                   | —      |
| 6"  | 220  | 36405        | 36625 | 37610 | 36305 | —                   | —      |
| 6"  | 320  | 36407        | 36628 | 37611 | 36307 | —                   | —      |
| 6"  | 400  | —            | —     | —     | 36308 | —                   | —      |
| 8"  | 40   | —            | —     | —     | —     | —                   | 34140* |
| 8"  | 80   | —            | —     | —     | —     | —                   | 34143* |

\* 25 per box

### TECH INFO

- Strong resin over resin bond construction is resistant to heat and moisture
- Special sharp and durable grain cuts fast and is long lasting
- Pressure sensitive adhesive (PSA or "Sticky Back") backing allows for quick changes



Disc Sander

For PSA Backing Pads  
see page 133.

Accessories





## HOOK & LOOP PAPER DISCS

- Hook and loop fastening system allows for quick changes and less downtime
- Available with or without vacuum holes for use on random orbital or low speed DA sander with capture systems

### NO HOLES

| DIA | GRIT | QTY | 6A    | 3S    | 4S / 4V | 6S    | HEAVY DUTY |       |           |
|-----|------|-----|-------|-------|---------|-------|------------|-------|-----------|
|     |      |     |       |       |         |       | A-E        | Z-F   | C-E / C-F |
| 5"  | 40   | 50  | -     | -     | -       | -     | 34250      | 34210 | 34510     |
| 5"  | 60   | 50  | -     | -     | 37501   | 35319 | 34252      | 34212 | 34512     |
| 5"  | 80   | 50  | 35420 | 36540 | 37515   | 35320 | 34253      | 34213 | 34513     |
| 5"  | 100  | 50  | -     | 36541 | 37516   | 35321 | -          | -     | 34514     |
| 5"  | 120  | 50  | 35422 | 36542 | 37517   | 35322 | 34255      | 34215 | 34515     |
| 5"  | 150  | 50  | 35423 | 36543 | 37518   | 35323 | -          | -     | 34516     |
| 5"  | 180  | 50  | 35424 | 36544 | 37519   | 35324 | -          | -     | 34517     |
| 5"  | 220  | 50  | 35425 | 36545 | 37520   | 35325 | -          | -     | 34518     |
| 5"  | 240  | 50  | -     | -     | 37562   | -     | -          | -     | -         |
| 5"  | 280  | 50  | -     | -     | 37563   | -     | -          | -     | -         |
| 5"  | 320  | 50  | 35427 | 36548 | 37521   | 35327 | -          | -     | 34521     |
| 5"  | 400  | 50  | 35428 | -     | 37522   | 35328 | -          | -     | 34522     |
| 5"  | 500  | 50  | -     | -     | 37523   | 35360 | -          | -     | 34523     |
| 5"  | 600  | 50  | -     | -     | 37524   | 35361 | -          | -     | 34524     |
| 5"  | 800  | 50  | -     | -     | 37550   | 35362 | -          | -     | 34525     |
| 5"  | 1000 | 50  | -     | -     | 37551   | -     | -          | -     | -         |
| 5"  | 1200 | 50  | -     | -     | 37552   | 35364 | -          | -     | 34527     |
| 5"  | 1500 | 50  | -     | -     | 37553   | -     | -          | -     | -         |
| 6"  | 40   | 50  | -     | -     | -       | -     | 34270      | 34230 | 34610     |
| 6"  | 60   | 50  | -     | -     | 37601   | 36319 | 34272      | 34232 | 34612     |
| 6"  | 80   | 50  | 36420 | 36640 | 37615   | 36320 | 34273      | 34233 | 34613     |
| 6"  | 100  | 50  | -     | 36641 | 37616   | 36321 | -          | -     | 34614     |
| 6"  | 120  | 50  | 36422 | 36642 | 37617   | 36322 | 34275      | 34235 | 34615     |
| 6"  | 150  | 50  | 36423 | 36643 | 37618   | 36323 | -          | -     | 34616     |
| 6"  | 180  | 50  | 36424 | 36644 | 37619   | 36324 | -          | -     | 34617     |
| 6"  | 220  | 50  | 36425 | 36645 | 37620   | 36325 | -          | -     | 34618     |
| 6"  | 240  | 50  | -     | -     | 37650   | -     | -          | -     | -         |
| 6"  | 280  | 50  | -     | -     | 37651   | -     | -          | -     | -         |
| 6"  | 320  | 50  | 36427 | 36648 | 37621   | 36327 | -          | -     | 34621     |
| 6"  | 400  | 50  | 36428 | -     | 37622   | 36328 | -          | -     | 34622     |
| 6"  | 500  | 50  | -     | -     | 37623   | 36360 | -          | -     | 34623     |
| 6"  | 600  | 50  | -     | -     | 37624   | 36361 | -          | -     | 34624     |
| 6"  | 800  | 50  | -     | -     | 37625   | 36362 | -          | -     | 34625     |
| 6"  | 1000 | 50  | -     | -     | 37626   | -     | -          | -     | -         |
| 6"  | 1200 | 50  | -     | -     | 37627   | 36364 | -          | -     | 34627     |
| 6"  | 1500 | 50  | -     | -     | 37628   | -     | -          | -     | -         |
| 8"  | 40   | 50  | -     | -     | -       | -     | -          | 34240 | -         |
| 8"  | 80   | 50  | -     | -     | -       | -     | -          | 34243 | -         |

For Hook & Loop Backing Pads, Interface Pads, and Contour Hand Pads see page 133.

### 5" - 5 HOLES

| DIA | GRIT | QTY | 6A    | 3S    | 4S/4V | 6S    | HD  |       |
|-----|------|-----|-------|-------|-------|-------|-----|-------|
|     |      |     |       |       |       |       | A-E |       |
| 5"  | 40   | 50  | -     | -     | -     | -     | -   | 34280 |
| 5"  | 60   | 50  | -     | -     | 37533 | 35329 | -   | 34282 |
| 5"  | 80   | 50  | 35430 | 36550 | 37525 | 35330 | -   | 34283 |
| 5"  | 100  | 50  | -     | 36551 | 37526 | 35331 | -   | -     |
| 5"  | 120  | 50  | 35432 | 36552 | 37527 | 35332 | -   | 34285 |
| 5"  | 150  | 50  | 35433 | 36553 | 37528 | 35333 | -   | -     |
| 5"  | 180  | 50  | 35434 | 36554 | 37529 | 35334 | -   | -     |
| 5"  | 220  | 50  | 35435 | 36555 | 37530 | 35335 | -   | -     |
| 5"  | 320  | 50  | 35437 | 36558 | 37531 | 35337 | -   | -     |
| 5"  | 400  | 50  | 35438 | -     | 37532 | 35338 | -   | -     |

### 5" - 8 HOLES

| DIA | GRIT | QTY | 6A    | 3S    | 4S/4V | 6S    | HD  |       |
|-----|------|-----|-------|-------|-------|-------|-----|-------|
|     |      |     |       |       |       |       | A-E |       |
| 5"  | 40   | 50  | -     | -     | -     | -     | -   | 34290 |
| 5"  | 60   | 50  | -     | -     | 37534 | 35339 | -   | 34292 |
| 5"  | 80   | 50  | 35440 | 36560 | 37535 | 35340 | -   | 34293 |
| 5"  | 100  | 50  | -     | 36561 | 37536 | 35341 | -   | -     |
| 5"  | 120  | 50  | 35442 | 36562 | 37537 | 35342 | -   | 34295 |
| 5"  | 150  | 50  | 35443 | 36563 | 37538 | 35343 | -   | -     |
| 5"  | 180  | 50  | 35444 | 36564 | 37539 | 35344 | -   | -     |
| 5"  | 220  | 50  | 35445 | 36565 | 37540 | 35345 | -   | -     |
| 5"  | 320  | 50  | 35447 | 36568 | 37541 | 35347 | -   | -     |
| 5"  | 400  | 50  | 35448 | -     | 37542 | 35348 | -   | -     |
| 5"  | 800  | 50  | -     | -     | 37543 | -     | -   | -     |
| 5"  | 1000 | 50  | -     | -     | 37544 | -     | -   | -     |
| 5"  | 1200 | 50  | -     | -     | 37545 | -     | -   | -     |
| 5"  | 1500 | 50  | -     | -     | 37546 | -     | -   | -     |

### 6" - 6 HOLES

| DIA | GRIT | QTY | 6A    | 3S    | 4S/4V | 6S    | HD  |       |
|-----|------|-----|-------|-------|-------|-------|-----|-------|
|     |      |     |       |       |       |       | A-E |       |
| 6"  | 40   | 50  | -     | -     | -     | -     | -   | 34310 |
| 6"  | 60   | 50  | -     | -     | 37634 | 36329 | -   | 34312 |
| 6"  | 80   | 50  | 36430 | 36650 | 37635 | 36330 | -   | 34313 |
| 6"  | 100  | 50  | -     | 36651 | 37636 | 36331 | -   | -     |
| 6"  | 120  | 50  | 36432 | 36652 | 37637 | 36332 | -   | 34315 |
| 6"  | 150  | 50  | 36433 | 36653 | 37638 | 36333 | -   | -     |
| 6"  | 180  | 50  | 36434 | 36654 | 37639 | 36334 | -   | -     |
| 6"  | 220  | 50  | 36435 | 36655 | 37640 | 36335 | -   | -     |
| 6"  | 320  | 50  | 36437 | 36658 | 37641 | 36337 | -   | -     |
| 6"  | 400  | 50  | 36438 | -     | 37642 | 36338 | -   | -     |
| 6"  | 500  | 50  | -     | -     | -     | 36339 | -   | -     |
| 6"  | 600  | 50  | -     | -     | -     | 36340 | -   | -     |
| 6"  | 800  | 50  | -     | -     | 37643 | 36341 | -   | -     |
| 6"  | 1000 | 50  | -     | -     | 37644 | -     | -   | -     |
| 6"  | 1200 | 50  | -     | -     | 37645 | 36343 | -   | -     |
| 6"  | 1500 | 50  | -     | -     | 37646 | -     | -   | -     |

### TECH INFO

- Strong resin over resin bond construction is resistant to heat and moisture
- Special sharp and durable grain cuts fast and is long lasting



Disc Sander



## INDIVIDUAL PSA CLOTH DISCS – ALUMINUM OXIDE

- Aluminum oxide grain
- Strong X-weight Egyptian cotton cloth PSA (pressure sensitive adhesive) backing
- Closed coat structure

**METAL** Ferrous and/non-ferrous metals (iron, steel, aluminum, copper, etc.)

**WOOD** Wood, plastic, fiberglass

| DIA    | QTY | GRIT  |       |       |       |       |       |       |       |       |       |       |       |       |
|--------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|        |     | 24    | 36    | 40    | 50    | 60    | 80    | 100   | 120   | 150   | 180   | 220   | 240   | 320   |
| 1"     | 50  | –     | –     | –     | 34990 | 34991 | 34992 | 34993 | 34994 | 34995 | 34996 | 34997 | 34998 | 34999 |
| 1-1/2" | 50  | –     | –     | –     | 35003 | 35004 | 35005 | –     | 35007 | –     | –     | –     | –     | –     |
| 2"     | 50  | 35020 | 35021 | 35022 | 35023 | 35024 | 35025 | 35026 | 35027 | 35028 | 35029 | –     | 35031 | 35033 |
| 3"     | 50  | 35040 | 35041 | 35042 | 35043 | 35044 | 35045 | 35046 | 35047 | 35048 | 35049 | 35050 | 35051 | 35053 |
| 4"     | 50  | 35060 | 35061 | 35062 | 35063 | 35064 | 35065 | 35066 | 35067 | 35068 | 35069 | 35070 | 35071 | 35073 |
| 5"     | 50  | 35080 | 35081 | 35082 | 35083 | 35084 | 35085 | 35086 | 35087 | 35088 | 35089 | 35090 | 35091 | 35093 |
| 6"     | 50  | 35094 | 35095 | 35096 | 35097 | 35098 | 35099 | 35100 | 35101 | 35102 | 35103 | 35104 | 35105 | 35107 |
| 7"     | 25  | 35108 | 35109 | 35110 | 35111 | 35112 | 35113 | 35114 | 35115 | 35116 | 35117 | 35118 | 35119 | 35121 |
| 8"     | 25  | 35122 | 35123 | 35124 | 35125 | 35126 | 35127 | 35128 | 35129 | 35130 | 35131 | 35132 | 35133 | 35135 |
| 9"     | 25  | 35136 | 35137 | 35138 | 35139 | 35140 | 35141 | 35142 | 35143 | 35144 | 35145 | 35146 | 35147 | 35149 |
| 10"    | 25  | 35150 | 35151 | 35152 | 35153 | 35154 | 35155 | 35156 | 35157 | 35158 | –     | –     | –     | –     |
| 12"    | 25  | 35164 | 35165 | 35166 | 35167 | 35168 | 35169 | 35170 | 35171 | 35172 | 35173 | 35174 | 35175 | 35177 |
| 14"    | 10  | –     | 35179 | 35180 | 35181 | 35182 | 35183 | –     | –     | –     | –     | –     | –     | –     |
| 15"    | 10  | –     | 35193 | 35194 | 35195 | 35196 | 35197 | –     | –     | –     | –     | –     | –     | –     |
| 16"    | 10  | –     | 35207 | 35208 | 35209 | 35210 | 35211 | 35212 | 35213 | –     | –     | –     | –     | –     |
| 18"    | 10  | –     | 35221 | 35222 | 35223 | 35224 | 35225 | –     | –     | –     | –     | –     | –     | –     |
| 20"    | 10  | –     | 35235 | 35236 | 35237 | 35238 | 35239 | 35240 | 35241 | –     | –     | –     | –     | –     |

COATED ABRASIVES



## INDIVIDUAL PSA CLOTH DISCS – ZIRCONIUM

- Premium zirconium grain
- Specially formulated X-weight Egyptian cotton cloth PSA (pressure sensitive adhesive) backing
- Closed coat structure

**METAL** Ferrous and/non-ferrous metals (iron, steel, aluminum, copper, etc.)

**STAINLESS** Stainless steel, high tensile steel

| DIA | QTY | GRIT  |       |       |       |       |
|-----|-----|-------|-------|-------|-------|-------|
|     |     | 36    | 40    | 50    | 60    | 80    |
| 5"  | 50  | 37081 | 37082 | 37083 | 37084 | 37085 |
| 6"  | 50  | 37095 | 37096 | 37097 | 37098 | 37099 |
| 8"  | 25  | 37123 | 37124 | 37125 | 37126 | 37127 |
| 9"  | 25  | 37137 | 37138 | 37139 | 37140 | 37141 |
| 10" | 25  | –     | –     | –     | 37154 | 37155 |
| 12" | 25  | 37165 | 37166 | 37167 | 37168 | 37169 |
| 20" | 10  | 37235 | 37236 | 37237 | 37238 | 37239 |

### TECH INFO

- Strong resin over resin bond construction is resistant to heat and moisture
- Hot melt adhesive back allows for quick change and less downtime
- Label UPC bar coded for easy identification and inventory maintenance



Disc Sander

For PSA Backing Pads  
see page 133.

Accessories

# LAMINATED DISCS



## 2A ALUMINUM OXIDE (GENERAL PURPOSE)

- Aluminum oxide grain
- General purpose, long life
- Easy disc changes by twisting to unlock backing pad

**METAL** Ferrous and/or non-ferrous metals

**WOOD** Wood, plastic, fiberglass, etc.

## 3A ALUMINUM OXIDE (GRINDING AID)

- Aluminum oxide grain with grinding aid
- Cooling agents for cool cutting and long life
- Easy disc changes by twisting to unlock backing pad

**STAINLESS** Stainless steel, high tensile alloys

**METAL** Ferrous metals

**ALUMINUM** Non-ferrous metals  
(aluminum, copper, brass, etc.)

## Z -ZIRCONIUM (PREMIUM)

- Premium zirconium grain
- Very fast stock removal, long life
- Easy disc changes by twisting to unlock backing pad

**STAINLESS** Stainless steel, high tensile alloys

**METAL** Ferrous and/or non-ferrous metals  
(iron, steel, welds, etc.)

## 3Z – ZIRCONIUM (GRINDING AID)

- Premium zirconium grain with grinding aid
- Cooling agents for cool cutting and long life
- Very fast stock removal, no discoloration
- Easy disc changes by twisting to unlock backing pad

**STAINLESS** Stainless steel, high tensile alloys

**METAL** Ferrous and/or non-ferrous metals

### TECH INFO

- Triple lamination construction for severe duty applications where traditional discs fray
- Quick change backings make for fast, easy disc changes and less downtime
- Universal style backings fit most major backing pad brands on the market
- 2 ply construction is rugged enough for contoured surfaces or flat surfaces

## 9S – CERAMIC ALUMINUM OXIDE (GRINDING AID)

- Excels on heat sensitive materials (stainless steel, etc.) and non-ferrous metals (aluminum, etc.) with an exceptional performance and value
- High performance, ceramic aluminum oxide grain
- Grinding aids for reduced heat and decreased loading
- Easy disc changes by twisting to unlock backing pad
- Features unique composite Sait-Lok™ hub for added strength

**STAINLESS** Stainless steel, high tensile alloys, titanium

**METAL** Carbon steel, cast iron

**ALUMINUM** Non-ferrous metals  
(aluminum, copper, brass, etc.)

## 2A-H ALUMINUM OXIDE (HEAVY DUTY)

- Aluminum oxide grain
- Fast stock removal and excellent edge grain retention
- Triple laminated construction for severe pressure applications where conventional laminated discs have too much flex
- Excellent for edge grinding, deburring, and weld preparation and removal
- Features unique composite Sait-Lok™ hub for added strength

**METAL** Ferrous and/or non-ferrous metals

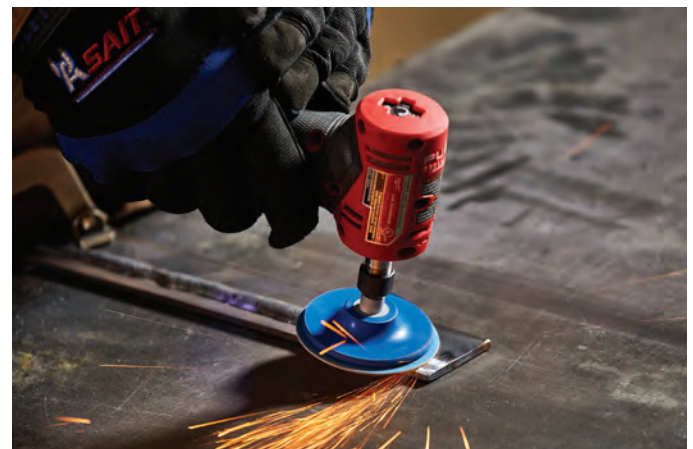
**WOOD** Wood, plastic, fiberglass, etc.

## Z-H ZIRCONIUM (HEAVY DUTY)

- High performance zirconium grain
- Extremely fast stock removal and long life
- Triple laminated construction for severe pressure applications where conventional laminated discs have too much flex
- Excellent for edge grinding, deburring, and weld preparation and removal
- Features unique composite Sait-Lok™ hub for added strength

**METAL** Ferrous and/or non-ferrous metals

**STAINLESS** Stainless steel, high tensile alloys





| DIA    | GRIT | QTY | 2A        |             | 3A        |             | Z         |             | 3Z        |             | 9S        |             | HEAVY DUTY |             |           |             |
|--------|------|-----|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|------------|-------------|-----------|-------------|
|        |      |     | SAIT-LOK™ | SAIT-LOK-R™ | SAIT-LOK™ | SAIT-LOK-R™ | SAIT-LOK™ | SAIT-LOK-R™ | SAIT-LOK™ | SAIT-LOK-R™ | SAIT-LOK™ | SAIT-LOK-R™ | SAIT-LOK™  | SAIT-LOK-R™ | SAIT-LOK™ | SAIT-LOK-R™ |
| 1"     | 36   | 100 | 52208     | —           | 50208     | —           | —         | —           | —         | —           | —         | —           | —          | —           | —         | —           |
| 1"     | 40   | 100 | 52209     | —           | 50209     | —           | —         | —           | —         | —           | —         | —           | —          | —           | —         | —           |
| 1"     | 50   | 100 | 52210     | —           | 50210     | —           | —         | —           | —         | —           | —         | —           | —          | —           | —         | —           |
| 1"     | 60   | 100 | 52211     | —           | 50211     | —           | —         | —           | —         | —           | —         | —           | —          | —           | —         | —           |
| 1"     | 80   | 100 | 52212     | —           | —         | —           | —         | —           | —         | —           | —         | —           | —          | —           | —         | —           |
| 1"     | 100  | 100 | 52213     | —           | 50213     | —           | —         | —           | —         | —           | —         | —           | —          | —           | —         | —           |
| 1"     | 120  | 100 | 52214     | —           | 50214     | —           | —         | —           | —         | —           | —         | —           | —          | —           | —         | —           |
| 1-1/2" | 36   | 100 | —         | 52264       | 50215     | 50264       | 55215     | 55264       | —         | 56264       | —         | —           | —          | —           | —         | —           |
| 1-1/2" | 40   | 100 | 52216     | 52265       | —         | 50265       | —         | 55265       | —         | —           | —         | —           | —          | —           | —         | —           |
| 1-1/2" | 50   | 100 | 52217     | 52266       | 50217     | —           | 55217     | 55266       | 56217     | —           | —         | —           | —          | —           | —         | —           |
| 1-1/2" | 60   | 100 | 52218     | 52267       | 50218     | 50267       | 55218     | 55267       | 56218     | 56267       | —         | —           | —          | —           | —         | —           |
| 1-1/2" | 80   | 100 | 52219     | 52268       | 50219     | 50268       | 55219     | —           | 56219     | 56268       | —         | —           | —          | —           | —         | —           |
| 1-1/2" | 100  | 100 | 52220     | 52269       | —         | 50269       | —         | —           | —         | —           | —         | —           | —          | —           | —         | —           |
| 1-1/2" | 120  | 100 | 52221     | 52270       | 50221     | 50270       | —         | —           | —         | —           | —         | —           | —          | —           | —         | —           |
| 2"     | 24   | 100 | —         | —           | —         | —           | 55221     | 55270       | —         | —           | 50920     | 50950       | 52320      | 50320       | 55420     | 55450       |
| 2"     | 36   | 100 | 52222     | 52271       | 50222     | 50271       | 55222     | 55271       | 56222     | 56271       | 50921     | 50951       | 52321      | 50321       | 55421     | 55451       |
| 2"     | 40   | 100 | 52223     | 52272       | 50223     | 50272       | 55223     | 55272       | —         | —           | 50922     | 50952       | —          | —           | —         | —           |
| 2"     | 50   | 100 | 52224     | 52273       | 50224     | 50273       | 55224     | 55273       | —         | 56276       | 50923     | 50953       | 52322      | 50322       | 55422     | 55452       |
| 2"     | 60   | 100 | 52225     | 52274       | 50225     | 50274       | 55225     | 55274       | 56225     | 56274       | 50924     | 50954       | 52323      | 50323       | 55423     | 55453       |
| 2"     | 80   | 100 | 52226     | 52275       | 50226     | 50275       | 55226     | 55275       | 56226     | 56275       | 50925     | 50955       | 52324      | 50324       | 55424     | 55454       |
| 2"     | 100  | 100 | 52227     | 52276       | 50227     | 50276       | —         | —           | —         | —           | —         | —           | —          | —           | —         | —           |
| 2"     | 120  | 100 | 52228     | 52277       | 50228     | 50277       | —         | —           | —         | —           | —         | —           | —          | —           | —         | —           |
| 3"     | 24   | 50  | —         | —           | —         | —           | 55228     | 55277       | —         | —           | 50930     | 50960       | 52330      | 50330       | 55430     | 55460       |
| 3"     | 36   | 50  | 52229     | 52278       | 50229     | 50278       | 55229     | 55278       | 56229     | 56278       | 50931     | 50961       | 52331      | 50331       | 55431     | 55461       |
| 3"     | 40   | 50  | 52230     | 52279       | 50230     | 50279       | 55230     | 55279       | —         | —           | 50932     | 50962       | —          | —           | —         | —           |
| 3"     | 50   | 50  | 52231     | 52280       | 50231     | 50280       | 55231     | 55280       | —         | 56280       | 50933     | 50963       | 52332      | 50332       | 55432     | 55462       |
| 3"     | 60   | 50  | 52232     | 52281       | 50232     | 50281       | 55232     | 55281       | 56232     | 56281       | 50934     | 50964       | 52333      | 50333       | 55433     | 55463       |
| 3"     | 80   | 50  | 52233     | 52282       | 50233     | 50282       | 55233     | 55282       | 56233     | 56282       | 50935     | 50965       | 52334      | 50334       | 55434     | 55464       |
| 3"     | 100  | 50  | 52234     | 52283       | 50234     | 50283       | —         | —           | —         | —           | —         | —           | —          | —           | —         | —           |
| 3"     | 120  | 50  | 52235     | 52284       | 50235     | 50284       | —         | —           | —         | —           | —         | —           | —          | —           | —         | —           |

For Laminated Disc Backing Pads see page 132.



# PAPER SHEETS

COATED ABRASIVES



## ALUMINUM OXIDE (AW-C & AW-D)

- Extremely long lasting
- Open coat structure prevents loading
- Use wet or dry

**WOOD** Wood, sealers, fillers  
**METAL** Ferrous and/or non-ferrous metals

| WIDTH | LENGTH | GRIT WEIGHT | QTY | PART # |
|-------|--------|-------------|-----|--------|
| 9"    | 11"    | 40D         | 100 | 84211  |
| 9"    | 11"    | 50D         | 100 | 84212  |
| 9"    | 11"    | 60D         | 100 | 84213  |
| 9"    | 11"    | 80D         | 100 | 84214  |
| 9"    | 11"    | 100D        | 100 | 84215  |
| 9"    | 11"    | 120D        | 100 | 84216  |
| 9"    | 11"    | 150C        | 100 | 84200  |
| 9"    | 11"    | 180C        | 100 | 84201  |
| 9"    | 11"    | 220C        | 100 | 84202  |
| 9"    | 11"    | 240C        | 100 | 84203  |
| 9"    | 11"    | 320C        | 100 | 84204  |
| 9"    | 11"    | 400C        | 100 | 84205  |
| 9"    | 11"    | 500C        | 100 | 84206  |
| 9"    | 11"    | 600C        | 100 | 84207  |
| 9"    | 11"    | 800C        | 100 | 84208  |
| 9"    | 11"    | 1200C       | 100 | 84209  |



## WATERPROOF SILICON CARBIDE (CW-C)

- Extremely long lasting
- Closed coat structure for more material removal
- Use wet or dry

**WOOD** Varnish, plastic, fiberglass, clear coat, primer  
**CONCRETE** Marble, ceramics  
**METAL** Ferrous and/or non-ferrous metals

| WIDTH  | LENGTH | GRIT WEIGHT | QTY | PART # |
|--------|--------|-------------|-----|--------|
| 5-1/2" | 9"     | 1000C       | 50  | 84270  |
| 5-1/2" | 9"     | 1200C       | 50  | 84271  |
| 5-1/2" | 9"     | 1500C       | 50  | 84274  |
| 5-1/2" | 9"     | 2000C       | 50  | 84277  |
| 9"     | 11"    | 80C         | 100 | 84249  |
| 9"     | 11"    | 100C        | 100 | 84250  |
| 9"     | 11"    | 120C        | 100 | 84251  |
| 9"     | 11"    | 150C        | 100 | 84252  |
| 9"     | 11"    | 180C        | 100 | 84253  |
| 9"     | 11"    | 220C        | 100 | 84254  |
| 9"     | 11"    | 240C        | 100 | 84255  |
| 9"     | 11"    | 320C        | 100 | 84256  |
| 9"     | 11"    | 400C        | 100 | 84257  |
| 9"     | 11"    | 500C        | 100 | 84258  |
| 9"     | 11"    | 600C        | 100 | 84259  |
| 9"     | 11"    | 800C        | 100 | 84260  |
| 9"     | 11"    | 1200C       | 100 | 84261  |



## GARNET

- Natural garnet grain
- Open coat structure prevents loading
- Dry use only

**WOOD** Soft woods

| WIDTH | LENGTH | GRIT WEIGHT | QTY | PART # |
|-------|--------|-------------|-----|--------|
| 9"    | 11"    | 50D         | 50  | 84101  |
| 9"    | 11"    | 60C         | 50  | 84102  |
| 9"    | 11"    | 80C         | 50  | 84103  |
| 9"    | 11"    | 100C        | 100 | 84104  |
| 9"    | 11"    | 120C        | 100 | 84105  |
| 9"    | 11"    | 180A        | 100 | 84107  |
| 9"    | 11"    | 220A        | 100 | 84108  |

## SAIT-PAK™

- Long-life, non-loading sanding
- Packaged in smaller, easier-to-sell quantities - 5 sleeves of 5 sheets / pkg (25 total sheets)
- Specifically designed for customers desiring more consumer-oriented packaging: skilled craftsmen, professional tradesmen, MRO engineers, fabricators, and the knowledgeable do-it-yourselfers

**WOOD** Body filler, paint, wood and fiberglass  
**METAL** Ferrous and/or non-ferrous metals



## All Purpose Aluminum Oxide Sheets

| WIDTH | LENGTH | GRADE / GRIT                             | QTY | PART # |
|-------|--------|------------------------------------------|-----|--------|
| 9"    | 11"    | ASSORTED - 2 Very Fine, 2 Fine, 1 Medium | 25  | 10015  |
| 9"    | 11"    | COARSE - 60                              | 25  | 10006  |
| 9"    | 11"    | MEDIUM - 100                             | 25  | 10008  |
| 9"    | 11"    | FINE - 150                               | 25  | 10010  |
| 9"    | 11"    | VERY FINE - 220                          | 25  | 10012  |

## Waterproof Silicon Carbide Sheets

| WIDTH | LENGTH | GRADE / GRIT                                       | QTY | PART # |
|-------|--------|----------------------------------------------------|-----|--------|
| 9"    | 11"    | ASSORTED - 2 Super Fine, 2 Extra Fine, 1 Very Fine | 25  | 10036  |
| 9"    | 11"    | VERY FINE - 220                                    | 25  | 10028  |
| 9"    | 11"    | EXTRA FINE - 320                                   | 25  | 10031  |
| 9"    | 11"    | SUPER FINE - 400                                   | 25  | 10032  |
| 9"    | 11"    | ULTRA FINE - 600                                   | 25  | 10034  |

## BACKING WEIGHTS

**A**

light weight  
high flexibility

**C**

medium weight  
medium flexibility

**D**

heavy weight  
low flexibility

TECH INFO

- Resin over resin construction for a strong bond that is resistant to heat and moisture
- Box label UPC bar coded for easy identification and inventory maintenance
- Our highest quality industrial paper for extra durability on all applications
- Broad assortment of grit sizes for a wide range of sanding and finishing applications



Hand Sanding



## EXTRA OPEN ALUMINUM OXIDE (AY-D)

- Economical, general purpose paper sheet
- Extra open coat structure prevents loading
- Good flexibility, yet durable backing
- D-Weight - Heavy weight, low flexibility

**WOOD** Wood, sealers, paint, fillers, plastic materials



## STEARATE ALUMINUM OXIDE (3S)

- Extremely long lasting
- Open coat structure prevents loading
- Use dry only
- C-Weight - Medium weight, medium flexibility

**WOOD** Sealers, body filler, paint, fiberglass, wood

**METAL** Aluminum



## PREMIUM STEARATE ALUMINUM OXIDE (4S)

- Premium aluminum oxide
- Stearate coating and open coat structure lubricates and prevents loading
- Long lasting performance and fast removal rates for fine finishing of automotive body works and wood finishing
- Use dry only
- C-Weight - Medium weight, medium flexibility

**WOOD** Body filler, paint, wood and fiberglass

**METAL** Ferrous and/or non-ferrous metals

| WIDTH | LENGTH | GRIT | QTY | AY-D  | 3S    | 4S    |
|-------|--------|------|-----|-------|-------|-------|
| 9"    | 11"    | 40   | 100 | 84422 | –     | –     |
| 9"    | 11"    | 60   | 100 | 84423 | –     | –     |
| 9"    | 11"    | 80   | 100 | 84424 | 84230 | 84283 |
| 9"    | 11"    | 100  | 100 | –     | 84231 | 84284 |
| 9"    | 11"    | 120  | 100 | 84426 | 84232 | 84285 |
| 9"    | 11"    | 150  | 100 | 84427 | 84233 | 84286 |
| 9"    | 11"    | 180  | 100 | 84428 | 84234 | 84287 |
| 9"    | 11"    | 220  | 100 | 84429 | 84235 | 84288 |
| 9"    | 11"    | 240  | 100 | –     | 84236 | 84289 |
| 9"    | 11"    | 320  | 100 | 84430 | 84237 | 84290 |
| 9"    | 11"    | 400  | 100 | 84431 | 84238 | 84291 |
| 9"    | 11"    | 500  | 100 | –     | 84239 | –     |

### TECH INFO

- Resin over resin construction for a strong bond that is resistant to heat and moisture
- Box label UPC bar coded for easy identification and inventory maintenance
- Our highest quality industrial paper for extra durability on all applications
- Broad assortment of grit sizes for a wide range of sanding and finishing applications



Hand Sanding



# CLOTH SHEETS



## ALUMINUM OXIDE (DA-F)

- Aluminum oxide grain on a flexible cloth backing
- Open coat structure prevents loading
- Water resistant
- Long life combined with excellent stock removal
- Excellent for woodworking applications
- F-Weight - High flexibility

### WOOD

Wood, paint, fiberglass

### METAL

Ferrous and/or non-ferrous materials (iron, steel, copper, etc.)



| WIDTH | LENGTH | GRIT | QTY | DA-F  |
|-------|--------|------|-----|-------|
| 9"    | 11"    | 36   | 25  | 84907 |
| 9"    | 11"    | 40   | 25  | 84908 |
| 9"    | 11"    | 50   | 25  | 84909 |
| 9"    | 11"    | 60   | 25  | 84910 |
| 9"    | 11"    | 80   | 25  | 84911 |
| 9"    | 11"    | 100  | 50  | 84912 |
| 9"    | 11"    | 120  | 50  | 84913 |
| 9"    | 11"    | 150  | 50  | 84914 |
| 9"    | 11"    | 180  | 50  | 84915 |
| 9"    | 11"    | 220  | 50  | 84916 |
| 9"    | 11"    | 240  | 50  | 84917 |
| 9"    | 11"    | 320  | 50  | 84918 |

### TECH INFO

- Resin over resin construction for a strong bond that is resistant to heat and moisture
- Cloth backing for durability and flexibility
- Box label UPC bar coded for easy identification and inventory maintenance
- Broad assortment of grit sizes for a wide range of sanding and finishing applications



Hand Sanding

# F

High Flexibility

Backing Weight



## SAITSCREEN™

- Cloth screen impregnated with silicon carbide grain
- Use wet or dry
- Non-loading
- Strong, long lasting

**WOOD** Body filler, paint, fiberglass  
**CONCRETE** Ceramic, marble, cement  
**METAL** Ferrous and/or non-ferrous metals

| WIDTH   | LENGTH | GRIT | QTY | SAITSCREEN™ |
|---------|--------|------|-----|-------------|
| 4-3/16" | 11"    | 80   | 50  | 84070       |
| 4-3/16" | 11"    | 100  | 50  | 84071       |
| 4-3/16" | 11"    | 220  | 50  | 84075       |
| 9"      | 11"    | 80   | 25  | 84076       |
| 9"      | 11"    | 100  | 25  | 84077       |
| 9"      | 11"    | 120  | 25  | 84078       |
| 9"      | 11"    | 150  | 25  | 84079       |



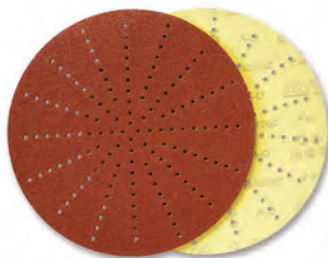
## PAPER

- Aluminum oxide grain
- Paper backing
- Open coat structure prevents loading
- Use dry
- Provides a smooth finish
- Available in sheets and rolls
- Easy to handle rolls for on the job cut to size use

**WOOD** Plaster, drywall joints

| WIDTH   | LENGTH   | GRIT | QTY | PAPER |
|---------|----------|------|-----|-------|
| 3-5/16" | 11"      | 80   | 100 | 84066 |
| 3-5/16" | 11"      | 100  | 100 | 84067 |
| 3-5/16" | 11"      | 120  | 100 | 84068 |
| 3-5/16" | 11"      | 150  | 100 | 84069 |
| 4-3/16" | 11"      | 80   | 100 | 84051 |
| 4-3/16" | 11"      | 100  | 100 | 84050 |
| 4-3/16" | 11"      | 120  | 100 | 84052 |
| 4-3/16" | 11"      | 150  | 100 | 84053 |
| 3-5/16" | 50 YARDS | 80   | 1   | 84056 |
| 3-5/16" | 50 YARDS | 100  | 1   | 84057 |
| 3-5/16" | 50 YARDS | 120  | 1   | 84058 |
| 3-5/16" | 50 YARDS | 150  | 1   | 84059 |

Rolls



## GIRAFFE DRYWALL DISCS

- For use with "giraffe" style drywall sanders
- Premium aluminum oxide abrasive for efficient sanding and long life
- Durable paper backing with hook and loop for enhanced performance and easy grit changes
- Vacuum holes for better dust extraction and life
- Also available without vacuum holes

**WOOD** Plaster, drywall compound, and stucco

| DIA | GRIT | QTY | GIRAFFE DRYWALL DISCS |          |
|-----|------|-----|-----------------------|----------|
|     |      |     | HOLES                 | NO HOLES |
| 9"  | 40   | 25  | 84308                 | —        |
| 9"  | 60   | 25  | 84309                 | —        |
| 9"  | 80   | 25  | 84310                 | 84081    |
| 9"  | 100  | 25  | 84311                 | 84082    |
| 9"  | 120  | 25  | 84312                 | 84083    |
| 9"  | 150  | 25  | 84313                 | 84084    |
| 9"  | 180  | 25  | 84314                 | 84085    |
| 9"  | 220  | 25  | 84315                 | 84086    |

For Drywall Interface Pads see page 133.



Hand Sanding



Drywall Sander



"Giraffe" Style Sander



# FILE BOARD SHEETS & SPONGES



## FILE BOARD SHEETS

- Aluminum oxide grain
- Open coat structure prevents loading

### WOOD

Auto body filler, paint & fiberglass

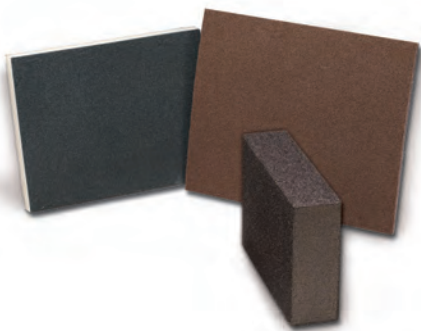
### METAL

Ferrous and/or non-ferrous metals



File Board Sander

| WIDTH  | LENGTH  | GRIT | QTY | FILEBOARD SHEETS |
|--------|---------|------|-----|------------------|
| 2-3/4" | 17-1/2" | 40D  | 50  | 84171            |
| 2-3/4" | 17-1/2" | 80D  | 100 | 84173            |
| 2-3/4" | 17-1/2" | 100D | 100 | 84174            |



## SANDING SPONGES

- Premium abrasive grain on a soft, foam backing
- Foam backing provides ultimate conformability and is washable for long life
- For use on wood moldings, metal contours, drywall sanding, and paint removal applications

### WOOD

Hardwoods and softwoods, plastic, paint, fiberglass, auto body filler, and drywall compounds

### METAL

Ferrous and/or non-ferrous metals

| TYPE                          | WIDTH  | LENGTH | THICKNESS | GRIT | QTY | SANDING SPONGES |
|-------------------------------|--------|--------|-----------|------|-----|-----------------|
| CONTOUR SANDING PAD           | 4-1/2" | 5-1/2" | 5MM       | 60   | 100 | 86445           |
| CONTOUR SANDING PAD           | 4-1/2" | 5-1/2" | 5MM       | 100  | 100 | 86447           |
| CONTOUR SANDING PAD           | 4-1/2" | 5-1/2" | 5MM       | 180  | 100 | 86450           |
| CONTOUR SANDING PAD           | 4-1/2" | 5-1/2" | 5MM       | 280  | 100 | 86451           |
| FABRIC REINFORCED SANDING PAD | 3-3/4" | 4-3/4" | 1/2"      | 60   | 24  | 86475           |
| FABRIC REINFORCED SANDING PAD | 3-3/4" | 4-3/4" | 1/2"      | 100  | 24  | 86477           |
| FABRIC REINFORCED SANDING PAD | 3-3/4" | 4-3/4" | 1/2"      | 150  | 24  | 86479           |
| FABRIC REINFORCED SANDING PAD | 3-3/4" | 4-3/4" | 1/2"      | 180  | 24  | 86480           |
| FABRIC REINFORCED SANDING PAD | 3-3/4" | 4-3/4" | 1/2"      | 220  | 24  | 86481           |
| HI-DENSITY SANDING BLOCK      | 2-1/2" | 3-3/4" | 1"        | 60   | 24  | 86355           |
| HI-DENSITY SANDING BLOCK      | 2-1/2" | 3-3/4" | 1"        | 80   | 24  | 86356           |
| HI-DENSITY SANDING BLOCK      | 2-1/2" | 3-3/4" | 1"        | 100  | 24  | 86357           |
| HI-DENSITY SANDING BLOCK      | 2-1/2" | 3-3/4" | 1"        | 120  | 24  | 86359           |
| HI-DENSITY SANDING BLOCK      | 2-1/2" | 3-3/4" | 1"        | 180  | 24  | 86360           |

## TECH INFO

- Sanding sponges can be used wet or dry for fine finishing and can be washed to extend cutting life (just wash with water)
- In general, the finish of sanding sponges will be finer than traditional coated abrasives
- Due to the ability to conform to different shapes, sanding sponges are able to sand and finish in hard to reach areas



Hand Sanding



## HANDY ROLL – DA-F

- Aluminum oxide grain
- High quality DA-F material for high flexibility
- Medium tensile strength
- Primarily for hand applications

**METAL** Ferrous and/or non-ferrous metals  
**WOOD** Wood, fiberglass, etc.



Packaged as 1 per box

| WIDTH  | LENGTH | HANDY ROLL – DA-F GRIT |       |       |       |       |       |       |       |       |       |       |       |
|--------|--------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|        |        | 40                     | 50    | 60    | 80    | 100   | 120   | 150   | 180   | 220   | 240   | 320   | 400   |
| 1"     | 50 YDS | 80405                  | 80505 | 80605 | 80805 | 81005 | 81205 | 81505 | 81805 | 82205 | 82405 | 83205 | 83405 |
| 1-1/2" | 50 YDS | 80406                  | 80506 | 80606 | 80806 | 81006 | 81206 | 81506 | 81806 | 82206 | 82406 | 83206 | 83406 |
| 2"     | 50 YDS | 80420                  | 80520 | 80620 | 80820 | 81020 | 81220 | 81520 | 81820 | 82220 | 82420 | 83220 | 83420 |

## INDUSTRIAL ROLL – EA-F

- Aluminum oxide grain
- Premium quality EA-F material for very high flexibility
- High tensile strength, extra durable backing
- Long life
- Primarily for machine applications

**METAL** Ferrous and/or non-ferrous metals  
**WOOD** Wood, fiberglass, etc.

| WIDTH  | LENGTH | INDUSTRIAL ROLL – EA-F GRIT |       |       |       |       |       |       |       |       |       |       |       |
|--------|--------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|        |        | 40                          | 50    | 60    | 80    | 100   | 120   | 150   | 180   | 220   | 240   | 320   | 400   |
| 1"     | 50 YDS | 80415                       | 80515 | 80615 | 80815 | 81015 | 81215 | 81515 | 81815 | 82215 | 82415 | 83215 | 83415 |
| 1-1/2" | 50 YDS | 80416                       | 80516 | 80616 | 80816 | 81016 | 81216 | 81516 | 81816 | 82216 | 82416 | 83216 | 83416 |
| 2"     | 50 YDS | 80430                       | 80530 | 80630 | 80830 | 81030 | 81230 | 81530 | 81830 | 82230 | 82430 | 83230 | 83430 |

## EA-F CUSTOM ROLLS

- Premium quality EA-F material for very high flexibility used in industrial rolls
- Open coat structure prevents loading
- Can be slit up to 3 cuts, 3" minimum width. Specify widths when ordering

**METAL** Ferrous and/or non-ferrous metals  
**WOOD** Wood, fiberglass, etc.

| WIDTH | LENGTH | CUSTOM ROLLS – EA-F GRIT |       |       |       |       |       |       |       |       |       |       |       |
|-------|--------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       |        | 40                       | 50    | 60    | 80    | 100   | 120   | 150   | 180   | 220   | 240   | 320   | 400   |
| 12"   | 50 YDS | 81640                    | 81650 | 81660 | 81680 | 81610 | 81612 | 81615 | 81618 | 81622 | 81624 | 81632 | 81604 |

All custom rolls are non-cancellable and non-returnable

### TECH INFO

- Resin over resin construction for a strong bond that is resistant to heat and moisture
- Egyptian cotton cloth backing for superior durability
- Available in two tensile strengths for a wide range of applications
- Open coat structure prevents loading
- Box label UPC bar coded for easy identification and inventory maintenance



Hand Sanding

# SPECIALTY SHOP ROLLS



## DA-F MINI SHOP ROLLS

- Aluminum oxide grain
- High quality DA-F material for high flexibility
- Open coat structure prevents loading
- For hand applications

**METAL** Ferrous and/or non-ferrous metals

**WOOD** Wood, fiberglass, etc.

| WIDTH  | LENGTH | QTY | GRIT  |       |       |       |
|--------|--------|-----|-------|-------|-------|-------|
|        |        |     | 60    | 80    | 120   | 180   |
| 1-1/2" | 10 YDS | 1   | 80607 | 80807 | 81207 | 81807 |

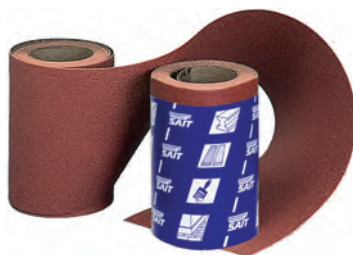


## PLUMBER ROLL

- Aluminum oxide grain
- Open coat structure prevents loading
- Use dry only
- Excellent for cleaning pipe ends
- Cloth backed for durability and flexibility

**METAL** Ferrous and/or non-ferrous materials, copper piping

| WIDTH  | LENGTH | GRIT | QTY | PLUMBER ROLL |
|--------|--------|------|-----|--------------|
| 1-1/2" | 25 YDS | 120  | 1   | 80000        |



## AW-D MINI PAPER ROLLS

- Aluminum oxide grain
- Open coat structure prevents loading
- For wet or dry hand operations

**WOOD** Wood, paint, etc.

**PAINT** Body filler, paint, primers

**METAL** Ferrous and/or non-ferrous metals

| WIDTH  | LENGTH | GRIT | QTY | AW-D  |
|--------|--------|------|-----|-------|
| 4-1/2" | 5 YDS  | 40   | 10  | 81101 |
| 4-1/2" | 5 YDS  | 100  | 10  | 81104 |
| 4-1/2" | 5 YDS  | 150  | 10  | 81106 |
| 4-1/2" | 5 YDS  | 180  | 10  | 81107 |



## SAITSCREEN™ ROLLS

- Silicon carbide grain
- Double sided for long life
- Waterproof
- Non-loading screen cloth

**METAL** Ferrous and/or non-ferrous metals (steel, solder, copper)

**CONCRETE** Ceramic

**WOOD** Wood, paint, etc.

| WIDTH  | LENGTH | QTY | GRIT  |       |       |
|--------|--------|-----|-------|-------|-------|
|        |        |     | 80    | 120   | 180   |
| 1-1/2" | 5 YDS  | 1   | 84089 | 84092 | 84095 |
| 1-1/2" | 10 YDS | 1   | 84090 | 84093 | 84096 |
| 1-1/2" | 25 YDS | 1   | 84091 | 84094 | 84097 |



Hand Sanding



## FLOOR SANDER BELTS

- Premium zirconium grain for high stock removal and long life
- Belt design allows for quick changing of abrasive materials

**WOOD** Wood floors

| WIDTH | LENGTH | GRIT | QTY | BELTS |
|-------|--------|------|-----|-------|
| 8"    | 19"    | 36   | 10  | 85285 |
| 8"    | 19"    | 50   | 10  | 85286 |
| 8"    | 19"    | 60   | 10  | 85287 |
| 8"    | 19"    | 80   | 10  | 85288 |
| 8"    | 19"    | 120  | 10  | 85289 |

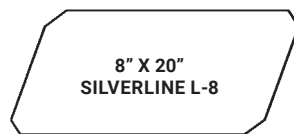
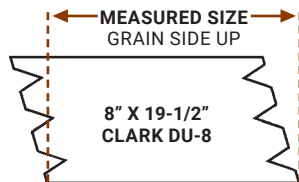


## FLOOR SANDING SHEETS

- Silicon carbide grain
- Combination backing paper and cloth
- **Grits 16-20:** Open coat structure prevents loading and is excellent for removing heavy finishes
- **Grits 36-100:** Closed coat for more material removal and excellent for general refinishing

**WOOD** Wood

| WIDTH | LENGTH  | NEW GRIT / OLD GRIT | QTY | SHEETS |
|-------|---------|---------------------|-----|--------|
| 8"    | 19-1/2" | 16 / 4              | 50  | 85000  |
| 8"    | 19-1/2" | 20 / 3-1/2          | 50  | 85001  |
| 8"    | 19-1/2" | 36 / 2              | 50  | 85002  |
| 8"    | 19-1/2" | 40 / 1-1/2          | 50  | 85003  |
| 8"    | 19-1/2" | 60 / 1/2            | 50  | 85004  |
| 8"    | 19-1/2" | 80 / 0              | 50  | 85005  |
| 8"    | 19-1/2" | 100 / 2/0           | 50  | 85006  |
| 8"    | 20"     | 16 / 4              | 50  | 85007  |
| 8"    | 20"     | 20 / 3-1/2          | 50  | 85008  |
| 8"    | 20"     | 36 / 2              | 50  | 85009  |
| 8"    | 20"     | 40 / 1-1/2          | 50  | 85010  |
| 8"    | 20"     | 60 / 1/2            | 50  | 85011  |
| 8"    | 20"     | 80 / 0              | 50  | 85012  |
| 8"    | 20"     | 100 / 2/0           | 50  | 85013  |



### TECH INFO

- Professional quality for use in tough industrial jobs
- Shrink wrapped for easy handling and long life
- Box label UPC bar coded for easy identification and inventory maintenance



Floor Sander



# FLOOR SANDING



Edge Sander

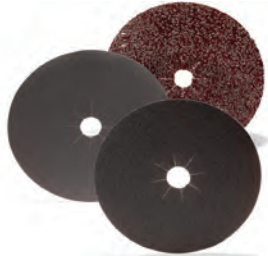
## EDGE FLOOR SANDING DISCS

- Silicon carbide grain
- Combination backing paper and cloth
- **Grits 12-20:** Open coat structure prevents loading and is excellent for removing heavy finishes
- **Grits 36-100:** Closed coat for more material removal and excellent for general refinishing

WOOD

Wood

| WOOD |       | QUANTITY 20         |        |            |        |            | QUANTITY 25 |        |           |
|------|-------|---------------------|--------|------------|--------|------------|-------------|--------|-----------|
| DIA  | ARBOR | NEW GRIT / OLD GRIT |        |            |        |            |             |        |           |
|      |       | 12 / 4-1/2          | 16 / 4 | 20 / 3-1/2 | 36 / 2 | 40 / 1-1/2 | 60 / 1/2    | 80 / 0 | 100 / 2/0 |
| 5"   | 1/4"  | 85230               | 85231  | 85232      | 85233  | 85234      | 85235       | 85236  | 85237     |
| 7"   | 7/8"  | 85219               | 85220  | 85221      | 85222  | 85223      | 85224       | 85225  | 85226     |



Floor Sander

## LARGE DIAMETER FLOOR SANDING DISCS

- Silicon carbide grain
- Combination backing paper and cloth
- **Grits 12-20:** Open coat structure prevents loading and is excellent for removing heavy finishes
- **Grits 36-100:** Closed coat for more material removal and excellent for general refinishing

WOOD

Wood

|     |       | QUANTITY 20         |        |            |        |            | QUANTITY 25 |        |           |
|-----|-------|---------------------|--------|------------|--------|------------|-------------|--------|-----------|
| DIA | ARBOR | NEW GRIT / OLD GRIT |        |            |        |            |             |        |           |
|     |       | 12 / 4-1/2          | 16 / 4 | 20 / 3-1/2 | 36 / 2 | 40 / 1-1/2 | 60 / 1/2    | 80 / 0 | 100 / 2/0 |
| 15" | 2"    | 85121               | 85100  | 85101      | 85102  | 85103      | 85104       | 85105  | 85106     |
| 16" | 2"    | 85122               | 85107  | 85108      | 85109  | 85110      | 85111       | 85112  | 85113     |
| 17" | 2"    | 85123               | 85114  | 85115      | 85116  | 85117      | 85118       | 85119  | 85120     |
| 18" | 2"    | 85130               | 85131  | 85132      | 85133  | 85134      | 85135       | 85136  | 85137     |
| 20" | 2"    | 85140               | 85141  | 85142      | 85143  | 85144      | 85145       | 85146  | 85147     |

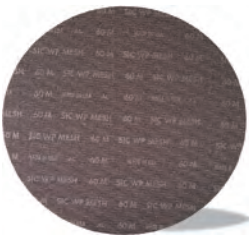
## SAITSCREEN™ DISCS

- Cloth screen impregnated with silicon carbide grain
- Long life / Non-loading / Double sided
- Excellent for removing paint and varnish from floors

WOOD

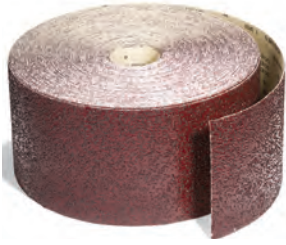
Wood

CONCRETE Ceramic tile, cement



Floor Sander

| DIA | QTY | GRIT  |       |       |       |
|-----|-----|-------|-------|-------|-------|
|     |     | 60    | 80    | 100   | 120   |
| 16" | 10  | 88606 | 88608 | 88610 | 88612 |
| 17" | 10  | 88706 | 88708 | 88710 | 88712 |
| 18" | 10  | —     | 88808 | 88810 | 88812 |
| 20" | 10  | 88006 | 88008 | 88010 | 88012 |



Floor Sander

## FLOOR SANDING ROLLS

- Silicon carbide grain
- Combination backing paper and cloth
- **Grits 12-20:** Open coat structure prevents loading and is excellent for removing heavy finishes
- **Grits 36-100:** Closed coat for more material removal and excellent for general refinishing

**WOOD** Wood floors

| WIDTH | LENGTH   | NEW GRIT | OLD GRIT | QTY | ROLLS |
|-------|----------|----------|----------|-----|-------|
| 8"    | 50 YARDS | 12       | 4-1/2    | 1   | 85307 |
| 8"    | 50 YARDS | 16       | 4        | 1   | 85300 |
| 8"    | 50 YARDS | 20       | 3-1/2    | 1   | 85301 |
| 8"    | 50 YARDS | 36       | 2        | 1   | 85302 |
| 8"    | 50 YARDS | 40       | 1-1/2    | 1   | 85303 |
| 8"    | 50 YARDS | 60       | 1/2      | 1   | 85304 |
| 8"    | 50 YARDS | 80       | 0        | 1   | 85305 |
| 8"    | 50 YARDS | 100      | 2/0      | 1   | 85306 |



Floor Sander

## SAITSCREEN™ SHEETS

- Silicon carbide grain
- Long life / Non-loading / Double sided
- Excellent for removing paint and varnish
- Non-gouging for safe use on all floor surfaces
- Popular with DIY homeowners for ease of use
- For orbital sanding machines

**WOOD** Wood floors

**CONCRETE** Concrete

| WIDTH | LENGTH | GRIT | QTY | SAITSCREEN™ SHEETS |
|-------|--------|------|-----|--------------------|
| 12"   | 24"    | 80   | 10  | 88002              |
| 12"   | 24"    | 100  | 10  | 88003              |

# CARTRIDGE ROLLS



## STRAIGHT CARTRIDGE ROLLS

- Premium aluminum oxide grain
- Excellent for sanding and polishing channels, fillets, recesses, side walls, and bottoms of dead-end holes
- Great for high speed deburring and flash removal

**METAL** Ferrous and/or non-ferrous metals

**STAINLESS** Stainless steel, high tensile steel

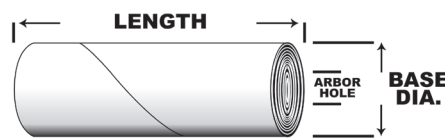
| BASE DIA | LENGTH | ARBOR | GRIT | MAX RPM | STRAIGHT CARTRIDGE ROLLS (QTY 100) | MANDREL PART # |
|----------|--------|-------|------|---------|------------------------------------|----------------|
| 3/16"    | 1"     | 3/32" | 80   | 26,000  | 38001                              | 95108          |
| 3/16"    | 1"     | 3/32" | 120  | 26,000  | 38003                              | 95108          |
| 1/4"     | 1"     | 1/8"  | 60   | 26,000  | 38007                              | 95105          |
| 1/4"     | 1"     | 1/8"  | 80   | 26,000  | 38008                              | 95105          |
| 1/4"     | 1"     | 1/8"  | 120  | 26,000  | 38010                              | 95105          |
| 1/4"     | 1"     | 1/8"  | 320  | 26,000  | 38013                              | 95105          |
| 1/4"     | 1-1/2" | 1/8"  | 60   | 26,000  | 38014                              | 95104          |
| 1/4"     | 1-1/2" | 1/8"  | 80   | 26,000  | 38015                              | 95104          |
| 1/4"     | 1-1/2" | 1/8"  | 120  | 26,000  | 38017                              | 95104          |
| 1/4"     | 1-1/2" | 1/8"  | 240  | 26,000  | 38019                              | 95104          |
| 3/8"     | 1"     | 1/8"  | 60   | 26,000  | 38040                              | 95105          |
| 3/8"     | 1"     | 1/8"  | 80   | 26,000  | 38041                              | 95105          |
| 3/8"     | 1"     | 1/8"  | 120  | 26,000  | 38043                              | 95105          |
| 3/8"     | 1-1/2" | 1/8"  | 50   | 26,000  | 38047                              | 95104          |
| 3/8"     | 1-1/2" | 1/8"  | 60   | 26,000  | 38048                              | 95104          |
| 3/8"     | 1-1/2" | 1/8"  | 80   | 26,000  | 38049                              | 95104          |
| 3/8"     | 1-1/2" | 1/8"  | 120  | 26,000  | 38051                              | 95104          |
| 3/8"     | 2"     | 1/8"  | 60   | 26,000  | 38055                              | 95103          |
| 3/8"     | 2"     | 1/8"  | 80   | 26,000  | 38056                              | 95103          |
| 1/2"     | 1"     | 1/8"  | 50   | 26,000  | 38062                              | 95105          |
| 1/2"     | 1"     | 1/8"  | 60   | 26,000  | 38063                              | 95105          |
| 1/2"     | 1"     | 1/8"  | 80   | 26,000  | 38064                              | 95105          |
| 1/2"     | 1"     | 1/8"  | 120  | 26,000  | 38066                              | 95105          |

See page 135 for Cartridge Roll Mandrels

| BASE DIA | LENGTH | ARBOR | GRIT | MAX RPM | STRAIGHT CARTRIDGE ROLLS (QTY 100) | MANDREL PART # |
|----------|--------|-------|------|---------|------------------------------------|----------------|
| 1/2"     | 1-1/2" | 3/16" | 36   | 26,000  | 38070                              | 95107          |
| 1/2"     | 1-1/2" | 1/8"  | 40   | 26,000  | 38071                              | 95104          |
| 1/2"     | 1-1/2" | 1/8"  | 50   | 26,000  | 38072                              | 95104          |
| 1/2"     | 1-1/2" | 1/8"  | 60   | 26,000  | 38073                              | 95104          |
| 1/2"     | 1-1/2" | 1/8"  | 80   | 26,000  | 38074                              | 95104          |
| 1/2"     | 1-1/2" | 1/8"  | 120  | 26,000  | 38076                              | 95104          |
| 1/2"     | 2"     | 1/8"  | 60   | 26,000  | 38080                              | 95103          |
| 1/2"     | 2"     | 1/8"  | 80   | 26,000  | 38081                              | 95103          |
| 1/2"     | 2"     | 1/8"  | 120  | 26,000  | 38083                              | 95103          |
| 1/2"     | 2"     | 3/16" | 60   | 26,000  | 38087                              | 95106          |
| 1/2"     | 2"     | 3/16" | 80   | 26,000  | 38088                              | 95106          |
| 1/2"     | 2"     | 3/16" | 120  | 26,000  | 38089                              | 95106          |
| 5/8"     | 1-1/2" | 1/8"  | 60   | 18,000  | 38093                              | 95104          |
| 5/8"     | 1-1/2" | 1/8"  | 80   | 18,000  | 38094                              | 95104          |
| 5/8"     | 1-1/2" | 1/8"  | 120  | 18,000  | 38095                              | 95104          |
| 3/4"     | 1-1/2" | 3/16" | 40   | 18,000  | 38112                              | 95107          |
| 3/4"     | 1-1/2" | 3/16" | 60   | 18,000  | 38113                              | 95107          |
| 3/4"     | 1-1/2" | 3/16" | 80   | 18,000  | 38114                              | 95107          |
| 3/4"     | 2"     | 3/16" | 40   | 18,000  | 38119                              | 95106          |
| 3/4"     | 2"     | 3/16" | 60   | 18,000  | 38120                              | 95106          |
| 3/4"     | 2"     | 3/16" | 80   | 18,000  | 38121                              | 95106          |
| 3/4"     | 2"     | 3/16" | 120  | 18,000  | 38122                              | 95106          |
| 1"       | 1-1/2" | 1/4"  | 60   | 18,000  | 38126                              | 95102          |
| 1"       | 1-1/2" | 1/4"  | 80   | 18,000  | 38127                              | 95102          |
| 1"       | 1-1/2" | 1/4"  | 120  | 18,000  | 38128                              | 95102          |
| 1"       | 2"     | 1/4"  | 60   | 18,000  | 38132                              | 95101          |
| 1"       | 2"     | 1/4"  | 80   | 18,000  | 38133                              | 95101          |
| 1"       | 2"     | 1/4"  | 120  | 18,000  | 38134                              | 95101          |

### TECH INFO

- Multi-layer, self-dressing construction - exposes sharp, new cutting abrasive as each layer wears away
- Available in straight and full taper designs - long lasting performance
- Quick removal and installation - less downtime



Cartridge Roll



Die Grinder



## TAPERED CARTRIDGE ROLLS

- Premium aluminum oxide grain
- Excellent for sanding and polishing channels, fillets, recesses, side walls, and bottoms of dead-end holes
- Great for high speed deburring and flash removal

**METAL** Ferrous and/or non-ferrous metals

**STAINLESS** Stainless steel, high tensile steel

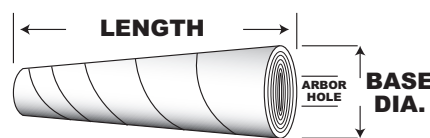


See page 135 for  
Cartridge Roll Mandrels

| BASE DIA | LENGTH | ARBOR | GRIT | MAX RPM | TAPERED CARTRIDGE ROLLS<br>(QTY 100) | MANDREL<br>PART # |
|----------|--------|-------|------|---------|--------------------------------------|-------------------|
| 3/8"     | 1"     | 1/8"  | 60   | 26,000  | 38300                                | 95105             |
| 3/8"     | 1"     | 1/8"  | 80   | 26,000  | 38301                                | 95105             |
| 3/8"     | 1"     | 1/8"  | 120  | 26,000  | 38302                                | 95105             |
| 3/8"     | 1-1/2" | 1/8"  | 60   | 26,000  | 38306                                | 95104             |
| 3/8"     | 1-1/2" | 1/8"  | 80   | 26,000  | 38307                                | 95104             |
| 3/8"     | 1-1/2" | 1/8"  | 120  | 26,000  | 38308                                | 95104             |
| 1/2"     | 1"     | 1/8"  | 60   | 26,000  | 38312                                | 95105             |
| 1/2"     | 1"     | 1/8"  | 80   | 26,000  | 38313                                | 95105             |
| 1/2"     | 1"     | 1/8"  | 120  | 26,000  | 38314                                | 95105             |
| 1/2"     | 1-1/2" | 1/8"  | 50   | 26,000  | 38318                                | 95104             |
| 1/2"     | 1-1/2" | 1/8"  | 60   | 26,000  | 38319                                | 95104             |
| 1/2"     | 1-1/2" | 1/8"  | 80   | 26,000  | 38320                                | 95104             |
| 1/2"     | 1-1/2" | 1/8"  | 120  | 26,000  | 38322                                | 95104             |
| 1/2"     | 2"     | 1/8"  | 60   | 26,000  | 38326                                | 95103             |
| 1/2"     | 2"     | 1/8"  | 80   | 26,000  | 38327                                | 95103             |
| 1/2"     | 2"     | 1/8"  | 120  | 26,000  | 38328                                | 95103             |
| 5/8"     | 2"     | 1/8"  | 60   | 18,000  | 38332                                | 95103             |
| 5/8"     | 2"     | 1/8"  | 80   | 18,000  | 38333                                | 95103             |
| 3/4"     | 1-1/2" | 1/8"  | 60   | 18,000  | 38338                                | 95104             |
| 3/4"     | 1-1/2" | 1/8"  | 80   | 18,000  | 38339                                | 95104             |
| 3/4"     | 1-1/2" | 1/8"  | 120  | 18,000  | 38340                                | 95104             |
| 3/4"     | 2"     | 3/16" | 60   | 18,000  | 38344                                | 95106             |
| 3/4"     | 2"     | 3/16" | 80   | 18,000  | 38345                                | 95106             |
| 3/4"     | 2"     | 3/16" | 120  | 18,000  | 38346                                | 95106             |

### TECH INFO

- Multi-layer, self-dressing construction - exposes sharp, new cutting abrasive as each layer wears away
- Available in straight and full taper designs - long lasting performance
- Quick removal and installation - less downtime



Cartridge Roll



Die Grinder

# SPIRAL BANDS



See page 135 for Spiral Band Drums

## SPIRAL BANDS

- Premium aluminum oxide grain
- Excellent for removing parting lines, imperfections and burrs on all surfaces
- Great in curved, corner, contoured and hard to reach areas

**METAL** Ferrous and/or non-ferrous metals

**STAINLESS** Stainless steel, high tensile steel, wood

| DIA    | LENGTH | GRIT | MAX RPM | QTY | SPIRAL BANDS |
|--------|--------|------|---------|-----|--------------|
| 1/2"   | 1/2"   | 60   | 30,000  | 100 | 42001        |
| 1/2"   | 1/2"   | 80   | 30,000  | 100 | 42002        |
| 1/2"   | 1/2"   | 120  | 30,000  | 100 | 42003        |
| 1/2"   | 1"     | 60   | 20,000  | 100 | 42006        |
| 1/2"   | 1"     | 80   | 20,000  | 100 | 42007        |
| 1/2"   | 1"     | 120  | 20,000  | 100 | 42008        |
| 1/2"   | 1-1/2" | 60   | 14,000  | 100 | 42011        |
| 1/2"   | 1-1/2" | 80   | 14,000  | 100 | 42012        |
| 1/2"   | 1-1/2" | 120  | 14,000  | 100 | 42013        |
| 3/4"   | 1"     | 36   | 19,000  | 100 | 42016        |
| 3/4"   | 1"     | 60   | 19,000  | 100 | 42017        |
| 3/4"   | 1"     | 80   | 19,000  | 100 | 42018        |
| 3/4"   | 1"     | 120  | 19,000  | 100 | 42019        |
| 3/4"   | 1-1/2" | 60   | 13,500  | 100 | 42022        |
| 3/4"   | 1-1/2" | 80   | 13,500  | 100 | 42023        |
| 3/4"   | 1-1/2" | 120  | 13,500  | 100 | 42024        |
| 1"     | 1"     | 36   | 15,000  | 100 | 42027        |
| 1"     | 1"     | 60   | 15,000  | 100 | 42028        |
| 1"     | 1"     | 80   | 15,000  | 100 | 42029        |
| 1"     | 1"     | 120  | 15,000  | 100 | 42030        |
| 1-1/2" | 1"     | 36   | 14,000  | 100 | 42033        |
| 1-1/2" | 1"     | 60   | 14,000  | 100 | 42034        |
| 1-1/2" | 1"     | 80   | 14,000  | 100 | 42035        |
| 1-1/2" | 1"     | 120  | 14,000  | 100 | 42036        |
| 1-1/2" | 1-1/2" | 36   | 10,000  | 100 | 42039        |
| 1-1/2" | 1-1/2" | 60   | 10,000  | 100 | 42040        |
| 1-1/2" | 1-1/2" | 80   | 10,000  | 100 | 42041        |
| 1-1/2" | 1-1/2" | 120  | 10,000  | 100 | 42042        |
| 2"     | 2"     | 36   | 6,000   | 50  | 42045        |
| 2"     | 2"     | 60   | 6,000   | 50  | 42046        |
| 2"     | 2"     | 80   | 6,000   | 50  | 42047        |
| 2"     | 2"     | 120  | 6,000   | 50  | 42048        |
| 3"     | 3"     | 36   | 3,000   | 50  | 42051        |
| 3"     | 3"     | 60   | 3,000   | 50  | 42052        |
| 3"     | 3"     | 80   | 3,000   | 50  | 42053        |
| 3"     | 3"     | 120  | 3,000   | 50  | 42054        |



Die Grinder

### TECH INFO

- Single ply of coated abrasive, spirally wound and bonded to an inner liner
- Quick removal and installation
- Smooth running for ease of use and control



## CROSS PADS

- Premium aluminum oxide grain
- Excellent for deburring tubing, blending radii, polishing inside contours and polishing and finishing bell-mouth configurations, drop forge and Kirksite dies

**METAL** Ferrous and/or non-ferrous metals

**STAINLESS** Stainless steel, high tensile steel

| DIA    | THICKNESS | MANDREL | GRIT | RECOMMENDED RPM RANGE | MAX RPM | CROSS PADS (QTY 50) |
|--------|-----------|---------|------|-----------------------|---------|---------------------|
| 1"     | 3/8"      | 3-48    | 60   | 20,000 - 23,000       | 25,000  | 48036               |
| 1"     | 3/8"      | 3-48    | 80   | 20,000 - 23,000       | 25,000  | 48037               |
| 1"     | 3/8"      | 3-48    | 120  | 20,000 - 23,000       | 25,000  | 48038               |
| 1-1/2" | 1/2"      | 8-32    | 60   | 19,000 - 20,000       | 23,000  | 48041               |
| 1-1/2" | 1/2"      | 8-32    | 80   | 19,000 - 20,000       | 23,000  | 48042               |
| 2"     | 1/2"      | 8-32    | 60   | 19,000 - 20,000       | 23,000  | 48046               |
| 2"     | 1/2"      | 8-32    | 80   | 19,000 - 20,000       | 23,000  | 48047               |
| 2"     | 1/2"      | 8-32    | 120  | 19,000 - 20,000       | 23,000  | 48048               |
| 2"     | 1"        | 1/4-20  | 60   | 19,000 - 20,000       | 23,000  | 48051               |
| 2"     | 1"        | 1/4-20  | 80   | 19,000 - 20,000       | 23,000  | 48052               |
| 2"     | 1"        | 1/4-20  | 120  | 19,000 - 20,000       | 23,000  | 48053               |
| 3"     | 1"        | 1/4-20  | 60   | 10,000 - 12,000       | 14,000  | 48056               |
| 3"     | 1"        | 1/4-20  | 80   | 10,000 - 12,000       | 14,000  | 48057               |
| 3"     | 1"        | 1/4-20  | 120  | 10,000 - 12,000       | 14,000  | 48058               |
| 4"     | 1"        | 1/4-20  | 60   | 9,000 - 10,000        | 14,000  | 48061               |
| 4"     | 1"        | 1/4-20  | 80   | 9,000 - 10,000        | 14,000  | 48062               |
| 4"     | 1"        | 1/4-20  | 120  | 9,000 - 10,000        | 14,000  | 48063               |



## SQUARE PADS

- Premium aluminum oxide grain
- Excellent for deburring tubing, blending radii, polishing inside contours and polishing and finishing bell-mouth configurations, drop forge and Kirksite dies

**METAL** Ferrous and/or non-ferrous metals

**STAINLESS** Stainless steel, high tensile steel

| DIA    | THICKNESS | MANDREL | GRIT | RECOMMENDED RPM RANGE | MAX RPM | SQUARE PADS (QTY 50) |
|--------|-----------|---------|------|-----------------------|---------|----------------------|
| 1-1/2" | 1/2"      | 1/4-20  | 60   | 19,000 - 20,000       | 23,000  | 48006                |
| 1-1/2" | 1/2"      | 1/4-20  | 80   | 19,000 - 20,000       | 23,000  | 48007                |
| 1-1/2" | 1/2"      | 1/4-20  | 120  | 19,000 - 20,000       | 23,000  | 48008                |
| 2"     | 1/4"      | 8-32    | 60   | 19,000 - 20,000       | 23,000  | 48011                |
| 2"     | 1/4"      | 8-32    | 80   | 19,000 - 20,000       | 23,000  | 48012                |
| 2"     | 1/2"      | 1/4-20  | 60   | 19,000 - 20,000       | 23,000  | 48016                |
| 2"     | 1/2"      | 1/4-20  | 80   | 19,000 - 20,000       | 23,000  | 48017                |
| 2"     | 1/2"      | 1/4-20  | 120  | 19,000 - 20,000       | 23,000  | 48018                |
| 2"     | 3/4"      | 1/4-20  | 60   | 19,000 - 20,000       | 23,000  | 48021                |
| 2"     | 3/4"      | 1/4-20  | 80   | 19,000 - 20,000       | 23,000  | 48022                |
| 3"     | 1/4"      | 1/4-20  | 60   | 10,000 - 12,000       | 14,000  | 48026                |
| 3"     | 1/4"      | 1/4-20  | 80   | 10,000 - 12,000       | 14,000  | 48027                |
| 3"     | 1/4"      | 1/4-20  | 120  | 10,000 - 12,000       | 14,000  | 48028                |
| 3"     | 1/2"      | 1/4-20  | 60   | 10,000 - 12,000       | 14,000  | 48031                |
| 3"     | 1/2"      | 1/4-20  | 80   | 10,000 - 12,000       | 14,000  | 48032                |
| 3"     | 1/2"      | 1/4-20  | 120  | 10,000 - 12,000       | 14,000  | 48033                |



See page 135 for Cross Pad and Square Pad Mandrels

### TECH INFO

- Multi-ply abrasive pad - exposes new cutting surface as each layer wears
- Cushioned, chatter free grinding and polishing for long lasting performance



Die Grinder



# NON-WOVEN ABRASIVES INDEX

|                                                                                 |            |
|---------------------------------------------------------------------------------|------------|
| <b>NON-WOVEN HAND PADS .....</b>                                                | <b>106</b> |
| <b>NON-WOVEN BELTS .....</b>                                                    | <b>107</b> |
| <b>DEBURRING &amp; CLEANING DISCS .....</b>                                     | <b>108</b> |
| SURFACE CONDITIONING DISCS - SAIT-LOK™ & SAIT-LOK-R™ .....                      | 108        |
| ULTIMATE PERFORMANCE SURFACE CONDITIONING DISCS - SAIT-LOK™ & SAIT-LOK-R™ ..... | 108        |
| HOOK & LOOP .....                                                               | 108        |
| ULTIMATE PERFORMANCE DISCS WITH ARBOR HOLE .....                                | 108        |
| <b>SAND-LIGHT™ BLENDING DISCS .....</b>                                         | <b>109</b> |
| SAIT-LOK™ .....                                                                 | 109        |
| HOOK & LOOP .....                                                               | 109        |
| WITH ARBOR HOLE .....                                                           | 109        |
| <b>FLAP BRUSHES &amp; GF LINEAR POLISHING WHEELS .....</b>                      | <b>110</b> |
| FLAP BRUSH .....                                                                | 110        |
| GRIND AND FINISH NON-WOVEN LINEAR POLISHING WHEELS .....                        | 110        |
| GRIND AND FINISH INTERLEAF LINEAR POLISHING WHEELS .....                        | 110        |
| <b>FLAP WHEELS &amp; INTERLEAF WHEELS .....</b>                                 | <b>111</b> |
| FLAP WHEEL .....                                                                | 111        |
| INTERLEAF WHEEL .....                                                           | 111        |
| <b>INTERLEAF &amp; NON-WOVEN FLAP DISCS .....</b>                               | <b>112</b> |
| SAIT GF – GRIND AND FINISH .....                                                | 112        |
| SAND-LIGHT™ .....                                                               | 112        |
| <b>SAIT-STRIP™ .....</b>                                                        | <b>113</b> |
| SAIT-LOK™ & SAIT-LOK-R™ .....                                                   | 113        |
| ARBOR HOLE DISCS .....                                                          | 113        |
| SAIT-STRIP™ TYPE 27 .....                                                       | 113        |
| <b>UNITIZED WHEELS .....</b>                                                    | <b>114</b> |
| UNITIZED WHEELS .....                                                           | 114        |
| TYPE 27 UNITIZED DISCS .....                                                    | 114        |
| <b>CONVOLUTE WHEELS &amp; BUFFING ITEMS. ....</b>                               | <b>115</b> |
| CONVOLUTE WHEEL .....                                                           | 115        |
| BUFFING DISCS .....                                                             | 115        |
| SAITLAM® XP LUX **NEW** .....                                                   | 115        |





# NON-WOVEN ABRASIVES





# NON-WOVEN HAND PADS



## HAND PADS

- Non-woven synthetic fiber impregnated with abrasive grain for surface conditioning without damage to or removal of base material. Resists loading and heat build-up
- Wet/dry construction for use in a wide range of applications
- Available in a variety of grades from heavy duty to polishing applications
- Reusable and long lasting design for economical use
- Box label UPC bar coded for easy identification and inventory maintenance

| WIDTH | LENGTH | COLOR  | GRADE      | QTY | HAND PADS |
|-------|--------|--------|------------|-----|-----------|
| 6"    | 9"     | BROWN  | HEAVY DUTY | 20  | 77440     |
| 6"    | 9"     | MAROON | GENERAL    | 20  | 77447     |
| 6"    | 9"     | BLACK  | STAINLESS  | 20  | 77446     |
| 6"    | 9"     | GREEN  | SCOURING   | 20  | 77496     |
| 6"    | 9"     | GRAY   | ULTRA FINE | 20  | 77448     |
| 6"    | 9"     | WHITE  | LIGHT DUTY | 20  | 77486     |



Hand Sanding

HANDLE AVAILABLE  
FOR UNIFORM  
FINISHING ON  
PAGE 136

Handle

## BROWN – HEAVY DUTY

- Excellent for removing heavy rust and cleaning welds

**METAL** Ferrous metals

**ALUMINUM** Non-ferrous metals

## MAROON – GENERAL PURPOSE

- For removing light rust
- Excellent for cleaning and brightening

**METAL** Ferrous metals

**ALUMINUM** Non-ferrous metals

## BLACK – STAINLESS

- For blending and finishing
- Excellent for paint removal

**STAINLESS** Stainless steel

**METAL** Ferrous metals

**ALUMINUM** Non-ferrous metals

## GREEN – GENERAL CLEANING

- Excellent for stripping paint and varnish

**METAL** Ferrous metals

**ALUMINUM** Non-ferrous metals

**WOOD** Paint, varnish

## GRAY – ULTRA FINE

- For light finishing
- Excellent for sanding before/between finish coats

**METAL** Ferrous metals

**ALUMINUM** Non-ferrous metals

**WOOD** Wood

## WHITE – LIGHT DUTY

- For light cleaning and polishing

**WOOD** Fiberglass, vinyl, plastic

**CONCRETE** Ceramic

**ALUMINUM** Non-ferrous metals







## BELTS

- Non-woven synthetic fiber impregnated with abrasive grain for surface conditioning without damage to or removal of base material. Resists loading and heat build-up
- Offered in very narrow widths for use on tight radii and hard to reach applications
- Flexible yet extra durable splice method for resistance to breaking or cracking under severe stress

**STAINLESS** Stainless steel

**METAL** Ferrous metals

**ALUMINUM** Non-ferrous metals

**WOOD** Fiberglass and rubber

## BROWN – COARSE

- Excellent for deburring, blending
- For use on mill marks, tool marks, to create a smooth transition on surface profiles

**STAINLESS** Stainless steel

**METAL** Ferrous metals

**ALUMINUM** Non-ferrous metals

**WOOD** Fiberglass and rubber

## MAROON – GENERAL PURPOSE

- Excellent for blending and cleaning
- Reduce uneven edges on adjoining surfaces
- Remove coatings, gaskets and surface discolorations

**STAINLESS** Stainless steel

**METAL** Ferrous metals

**ALUMINUM** Non-ferrous metals

**WOOD** Fiberglass and rubber

## BLUE – VERY FINE

- Excellent for cleaning and finishing
- Reduce surface roughness
- Polish welds
- Use to apply cosmetic grain or scratch patterns

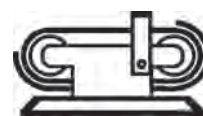
**STAINLESS** Stainless steel

**METAL** Ferrous metals

**ALUMINUM** Non-ferrous metals

**WOOD** Fiberglass and rubber

| WIDTH  | LENGTH  | QTY | COARSE BROWN     | MEDIUM MAROON    | VERY FINE BLUE   |
|--------|---------|-----|------------------|------------------|------------------|
| 1/4"   | 24"     | 20  | 77505 <b>NEW</b> | 77506 <b>NEW</b> | 77507 <b>NEW</b> |
| 1/2"   | 18"     | 10  | 77510            | 77511            | 77512            |
| 1/2"   | 24"     | 10  | 77515            | 77516            | 77517            |
| 3/4"   | 18"     | 10  | 77520            | 77521            | 77522            |
| 3/4"   | 20-1/2" | 10  | 77575            | 77576            | 77577            |
| 1-1/2" | 30"     | 10  | 77580 <b>NEW</b> | 77581 <b>NEW</b> | 77582 <b>NEW</b> |
| 2"     | 60"     | 10  | 77535            | –                | –                |
| 3"     | 21"     | 10  | 77570            | 77571            | 77572            |
| 3"     | 24"     | 10  | 77560            | 77561            | 77562            |
| 3-1/2" | 15-1/2" | 10  | 77500            | 77501            | 77502            |
| 4"     | 24"     | 10  | –                | 77566            | –                |
| 6"     | 48"     | 5   | 77540            | 77541            | –                |



**Benchstand Sander**



**File Sander**



**Portable Sander**

# DEBURRING & CLEANING DISCS

## SURFACE CONDITIONING DISCS

- Used in a wide variety of applications including cleaning, polishing, blending and deburring
- Non-woven synthetic fiber coated with aluminum oxide grain resists loading for long life without damage to or removal of base material

**STAINLESS** Stainless steel  
**METAL** Ferrous and/or non-ferrous metals  
**WOOD** Fiberglass, gaskets



## ULTIMATE PERFORMANCE SURFACE CONDITIONING DISCS

- High durability with superior edge retention and minimal smearing
- For aggressive applications where traditional surface conditioning products fail
- Ideal for highly contoured surfaces, heavy blending and finishing, and sharp edges

**STAINLESS** Stainless steel  
**METAL** Ferrous and/or non-ferrous metals  
**WOOD** Fiberglass, gaskets

### AVAILABLE IN THREE FINISHES

#### COARSE (BROWN)

- Excellent for heavy deburring, removing weld spatter and blending tool/mill marks, rust removal

#### MEDIUM (MAROON)

- Excellent for light deburring, blending scratch patterns, removing coating/adhesives

#### VERY FINE (BLUE)

- Excellent for cosmetic grain finishing, polishing welds and reducing grinding marks

### AVAILABLE IN TWO STYLES



**SAIT-LOK™**  
 Nylon attachment on disc ensures a secure fit to the backing pad



**SAIT-LOK-R™**  
 Nylon screw threaded hub for easy mounting to the backing pad

| DIA    | QTY | COARSE BROWN |             | MEDIUM MAROON |             | VERY FINE BLUE |             | ULTIMATE PERFORMANCE COARSE |             | ULTIMATE PERFORMANCE MEDIUM |             |
|--------|-----|--------------|-------------|---------------|-------------|----------------|-------------|-----------------------------|-------------|-----------------------------|-------------|
|        |     | SAIT-LOK™    | SAIT-LOK-R™ | SAIT-LOK™     | SAIT-LOK-R™ | SAIT-LOK™      | SAIT-LOK-R™ | SAIT-LOK™                   | SAIT-LOK-R™ | SAIT-LOK™                   | SAIT-LOK-R™ |
| 1-1/2" | 50  | 77200        | 77300       | 77202         | 77302       | 77203          | 77303       | —                           | —           | —                           | —           |
| 2"     | 50  | 77206        | 77306       | 77208         | 77308       | 77209          | 77309       | 77260                       | 77360       | 77261                       | 77361       |
| 3"     | 25  | 77212        | 77312       | 77214         | 77314       | 77215          | 77315       | 77264                       | 77364       | 77265                       | 77365       |
| 4"     | 25  | —            | 77318       | —             | 77320       | —              | 77321       | —                           | —           | —                           | —           |



Portable Grinder

See page 132 for backing pads

## HOOK & LOOP

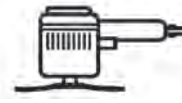
- Hook & Loop fastening system allows for quick changes and less downtime



| DIA    | QTY | COARSE BROWN | MEDIUM MAROON | VERY FINE BLUE |
|--------|-----|--------------|---------------|----------------|
| 4"     | 10  | 77116        | 77117         | 77115          |
| 4-1/2" | 10  | 77118        | 77120         | 77122          |
| 5"     | 10  | 77124        | 77126         | 77128          |
| 6"     | 10  | 77130        | 77132         | 77134          |
| 7"     | 10  | 77136        | 77138         | 77140          |
| 8"     | 10  | 77142        | —             | 77146          |



Portable Grinder



Disc Sander

See page 136 for backing pads

## ULTIMATE PERFORMANCE DISCS WITH ARBOR HOLE

- For use with right angle grinder utilizing Spiralcool™ fiber disc backing pads



| DIA    | ARBOR | MAX RPM | QTY | ULTIMATE PERFORMANCE COARSE | ULTIMATE PERFORMANCE MEDIUM |
|--------|-------|---------|-----|-----------------------------|-----------------------------|
| 4-1/2" | 7/8"  | 10,500  | 20  | 77648                       | 77649                       |
| 5"     | 7/8"  | 9,650   | 20  | 77652                       | 77653                       |
| 7"     | 7/8"  | 6,800   | 20  | 77661                       | 77662                       |



Angle Grinder

See page 131 for fiber disc backing pads

## SAND-LIGHT™ BLENDING DISCS

- For minor finishing and blending applications
- Less aggressive cutting than traditional surface conditioning discs
- Great for final finishing prior to buffing with compounds
- Use the slowest speed possible for optimum results
- Available in three styles shown below: SAIT-LOK™, Hook & Loop and with Arbor Hole

**ALUMINUM** Aluminum

**STAINLESS** Stainless steel

**METAL** Ferrous and/or non-ferrous metals



### AVAILABLE IN TWO FINISHES

#### MEDIUM – GENERAL PURPOSE (MAROON)

- Excellent for blending surface imperfections, coated abrasives sanding scratches
- Use the Medium grade for light finishing after using surface conditioning discs

#### VERY FINE (MAROON)

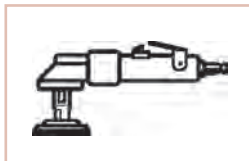
- Excellent for blending surface imperfections, final finishing and preparation prior to coating
- Use the Very Fine grade followed by the SAIT Buffing Discs and compounds for a near mirror finish

## SAIT-LOK™

- Nylon attachment on disc ensures a secure fit to the backing pad



SAIT-LOK™



Portable Grinder



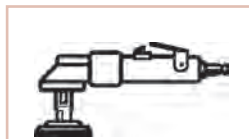
Disc Sander

See page 132 for backing pads

| DIA | GRADE     | QTY | SAIT-LOK™ |
|-----|-----------|-----|-----------|
| 2"  | MEDIUM    | 50  | 77672     |
| 2"  | VERY FINE | 50  | 77675     |
| 3"  | MEDIUM    | 25  | 77682     |
| 3"  | VERY FINE | 25  | 77685     |

## HOOK & LOOP

- Hook & Loop fastening system allows for quick changes and less downtime



Portable Grinder



Disc Sander

See page 136 for backing pads

| DIA | GRADE     | QTY | HOOK & LOOP |
|-----|-----------|-----|-------------|
| 5"  | MEDIUM    | 10  | 77382       |
| 5"  | VERY FINE | 10  | 77385       |
| 6"  | MEDIUM    | 10  | 77392       |
| 6"  | VERY FINE | 10  | 77395       |

## WITH ARBOR HOLE

- Arbor hole for easy mounting to grinder shaft



Pedestal Grinder

| DIA | ARBOR | GRADE     | QTY | ARBOR HOLE |
|-----|-------|-----------|-----|------------|
| 6"  | 1/2"  | MEDIUM    | 10  | 77162      |
| 6"  | 1/2"  | VERY FINE | 10  | 77165      |
| 8"  | 1/2"  | MEDIUM    | 10  | 77182      |
| 8"  | 1/2"  | VERY FINE | 10  | 77185      |



# FLAP BRUSHES & LINEAR POLISHING WHEELS



## NON-WOVEN FLAP BRUSH

- Capable of conforming to concave, flat and irregular surfaces
- Creates matte and satin finishes without lines on work piece
- Excellent for blending, cleaning welds, and removing corrosion, rust or scaling
- Excellent for grain, antique and satin finishes, finishing aluminum extrusions and applying an inline brushed finish on aluminum & stainless steel

**ALUMINUM** Aluminum, brass

**STAINLESS** Stainless steel



**Pedestal Grinder**

### TECH INFO

- Flexible, consistent face for ease of use
- Cool, smooth running for less operator fatigue
- Non-woven synthetic fiber impregnated with abrasive grain for surface conditioning without damage to or removal of base material
- Resists loading and heat build-up

| DIA | THICKNESS | ARBOR | GRADE     | MAX RPM | QTY | FLAP BRUSH |
|-----|-----------|-------|-----------|---------|-----|------------|
| 6"  | 1"        | 2"    | MEDIUM    | 3,400   | 3   | 77325      |
| 6"  | 1"        | 2"    | VERY FINE | 3,400   | 3   | 77327      |
| 8"  | 1"        | 3"    | MEDIUM    | 3,200   | 3   | 77330      |
| 8"  | 1"        | 3"    | VERY FINE | 3,200   | 3   | 77332      |

## GF - GRIND AND FINISH LINEAR POLISHING WHEELS

- Capable of conforming to concave, flat and irregular surfaces
- Excellent for blending, cleaning welds, and removing corrosion, rust, or scaling
- Excellent for grain, antique, matte and satin finishes, finishing aluminum extrusions and applying an inline brushed finish on aluminum and stainless steel
- Available in slotted keyway arbor or with 5/8-11 for use on a wide variety of portable finishing machines

**ALUMINUM** Aluminum, brass

**STAINLESS** Stainless steel

### GF Non-Woven Linear Wheel (better finish)

| SIZE                   | GRADE     | MAX RPM | QTY | NON-WOVEN |
|------------------------|-----------|---------|-----|-----------|
| 4-1/4" x 4" x 5/8-11   | COARSE    | 5,000   | 1   | 71710     |
| 4-1/4" x 4" x 5/8-11   | MEDIUM    | 5,000   | 1   | 71711     |
| 4-1/4" x 4" x 5/8-11   | FINE      | 5,000   | 1   | 71712     |
| 4-1/4" x 4" x 5/8-11   | VERY FINE | 5,000   | 1   | 71713     |
| 4-1/4" x 4" x 3/4-Slot | COARSE    | 5,000   | 1   | 71810     |
| 4-1/4" x 4" x 3/4-Slot | MEDIUM    | 5,000   | 1   | 71811     |
| 4-1/4" x 4" x 3/4-Slot | FINE      | 5,000   | 1   | 71812     |
| 4-1/4" x 4" x 3/4-Slot | VERY FINE | 5,000   | 1   | 71813     |



### GF Interleaf Linear Wheel (more aggressive)

| SIZE                   | GRADE           | MAX RPM | QTY | INTERLEAF |
|------------------------|-----------------|---------|-----|-----------|
| 4-1/4" x 4" x 5/8-11   | COARSE / 60     | 5,000   | 1   | 71720     |
| 4-1/4" x 4" x 5/8-11   | MEDIUM / 80     | 5,000   | 1   | 71721     |
| 4-1/4" x 4" x 5/8-11   | FINE / 120      | 5,000   | 1   | 71722     |
| 4-1/4" x 4" x 5/8-11   | VERY FINE / 150 | 5,000   | 1   | 71723     |
| 4-1/4" x 4" x 5/8-11   | VERY FINE / 240 | 5,000   | 1   | 71724     |
| 4-1/4" x 4" x 3/4-Slot | COARSE / 60     | 5,000   | 1   | 71820     |
| 4-1/4" x 4" x 3/4-Slot | MEDIUM / 80     | 5,000   | 1   | 71821     |
| 4-1/4" x 4" x 3/4-Slot | FINE / 120      | 5,000   | 1   | 71822     |
| 4-1/4" x 4" x 3/4-Slot | VERY FINE / 150 | 5,000   | 1   | 71823     |
| 4-1/4" x 4" x 3/4-Slot | VERY FINE / 240 | 5,000   | 1   | 71824     |

### TECH INFO

- **MUST BE USED ON BURNISHER EQUIPMENT. NOT FOR USE ON TRADITIONAL RIGHT ANGLE GRINDERS.**
- Slower speed = Better performance
- Fine grades have a coarser effect at low speed, coarse grades have a finer effect at high speed
- Heavy pressure will result in increased wear. Apply only light pressure for best performance
- Interleaf wheels utilize both coated abrasives and non-woven abrasives to provide a faster material removal
- Non-woven wheels provide a smoother finish



**Burnisher**



Die Grinder

## NON-WOVEN FLAP WHEEL

- Capable of conforming to concave, flat and irregular surfaces
- Creates matte and satin finishes without lines on work piece
- Excellent for blending, cleaning welds and removing corrosion, rust, or scaling
- Excellent for grain, antique and satin finishes, finishing aluminum extrusions and applying an inline brushed finish on aluminum and stainless steel

**ALUMINUM** Aluminum, brass

**STAINLESS** Stainless steel

| DIA | THICKNESS | SPINDLE | GRADE  | MAX RPM | QTY | FLAP WHEEL |
|-----|-----------|---------|--------|---------|-----|------------|
| 1"  | 1"        | 1/4"    | COARSE | 20,000  | 10  | 77780      |
| 1"  | 1"        | 1/4"    | MEDIUM | 20,000  | 10  | 77781      |
| 1"  | 1"        | 1/4"    | FINE   | 20,000  | 10  | 77782      |
| 2"  | 1"        | 1/4"    | COARSE | 11,000  | 10  | 77785      |
| 2"  | 1"        | 1/4"    | MEDIUM | 11,000  | 10  | 77786      |
| 2"  | 1"        | 1/4"    | FINE   | 11,000  | 10  | 77787      |
| 3"  | 1"        | 1/4"    | COARSE | 7,000   | 10  | 77790      |
| 3"  | 1"        | 1/4"    | MEDIUM | 7,000   | 10  | 77791      |
| 3"  | 1"        | 1/4"    | FINE   | 7,000   | 10  | 77792      |
| 3"  | 2"        | 1/4"    | COARSE | 7,000   | 5   | 77805      |
| 3"  | 2"        | 1/4"    | MEDIUM | 7,000   | 5   | 77806      |
| 3"  | 2"        | 1/4"    | FINE   | 7,000   | 5   | 77807      |



### AVAILABLE IN TWO GRADES

#### MEDIUM – GENERAL PURPOSE

- Excellent for removing heavy oxidation, blending, cleaning and deburring
- Medium surface conditioning material with either 60 or 80 grit coated abrasive material

#### VERY FINE

- Excellent for grain finishing, satin finishing and linear scratch patterns
- Very Fine surface conditioning material with either 120 or 180 grit coated abrasive material



Die Grinder

## NON-WOVEN INTERLEAF WHEEL

- Interleaf flap wheels are constructed with alternating flaps of surface conditioning material and coated abrasives material for a high cut rate and a uniform scratch pattern
- Provides blending action while leaving final finish on work piece
- Smear-resistant non-woven material for clean, smear-proof work surfaces
- Interleaf design makes product more aggressive than SAIT non-woven flap brushes and less aggressive than SAIT coated abrasive flap wheels

**ALUMINUM** Aluminum, brass

**STAINLESS** Stainless steel

**METAL** Ferrous and non-ferrous metals

**WOOD** Fiberglass

| DIA | THICKNESS | SPINDLE | GRIT | GRADE     | MAX RPM | QTY | INTERLEAF WHEEL |
|-----|-----------|---------|------|-----------|---------|-----|-----------------|
| 1"  | 1"        | 1/4"    | 60   | MEDIUM    | 20,000  | 10  | 77700           |
| 1"  | 1"        | 1/4"    | 80   | MEDIUM    | 20,000  | 10  | 77702           |
| 1"  | 1"        | 1/4"    | 120  | VERY FINE | 20,000  | 10  | 77704           |
| 1"  | 1"        | 1/4"    | 180  | VERY FINE | 20,000  | 10  | 77706           |
| 2"  | 1"        | 1/4"    | 60   | MEDIUM    | 11,000  | 10  | 77710           |
| 2"  | 1"        | 1/4"    | 80   | MEDIUM    | 11,000  | 10  | 77712           |
| 2"  | 1"        | 1/4"    | 120  | VERY FINE | 11,000  | 10  | 77714           |
| 2"  | 1"        | 1/4"    | 180  | VERY FINE | 11,000  | 10  | 77716           |
| 3"  | 1"        | 1/4"    | 60   | MEDIUM    | 7,000   | 10  | 77730           |
| 3"  | 1"        | 1/4"    | 80   | MEDIUM    | 7,000   | 10  | 77732           |
| 3"  | 1"        | 1/4"    | 120  | VERY FINE | 7,000   | 10  | 77734           |
| 3"  | 1"        | 1/4"    | 180  | VERY FINE | 7,000   | 10  | 77736           |
| 3"  | 2"        | 1/4"    | 60   | MEDIUM    | 7,000   | 5   | 77750           |
| 3"  | 2"        | 1/4"    | 80   | MEDIUM    | 7,000   | 5   | 77752           |
| 3"  | 2"        | 1/4"    | 120  | VERY FINE | 7,000   | 5   | 77754           |
| 3"  | 2"        | 1/4"    | 180  | VERY FINE | 7,000   | 5   | 77756           |

# INTERLEAF & NON-WOVEN FLAP DISCS



## SAIT GF – GRIND & FINISH

- Combines coated and non-woven abrasives which allows you to “Grind & Finish” with one product reducing time and labor
- Cushioned grinding effect allows for effortless blending and finishing of contoured work pieces
- Aluminum oxide specifications available in coarse, medium and very fine
- Ceramic specification (High Performance) available in 40 grit and 60 grit - provides exceptionally long life

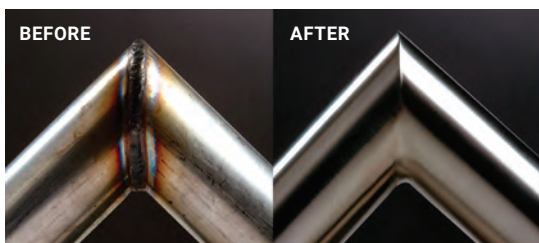
### METAL STAINLESS ALUMINUM

| DIA    | ARBOR | GRADE     | GRIT | COATED MATERIAL | SAIT GF |
|--------|-------|-----------|------|-----------------|---------|
| 4-1/2" | 7/8"  | COARSE    | 60   | A/O             | 77720   |
| 4-1/2" | 7/8"  | MEDIUM    | 80   | A/O             | 77721   |
| 4-1/2" | 7/8"  | VERY FINE | 150  | A/O             | 77723   |
| 4-1/2" | 7/8"  | COARSE    | 40   | CERAMIC         | 77760   |
| 4-1/2" | 7/8"  | COARSE    | 60   | CERAMIC         | 77761   |
| 5"     | 7/8"  | COARSE    | 60   | A/O             | 77725   |
| 5"     | 7/8"  | MEDIUM    | 80   | A/O             | 77726   |
| 5"     | 7/8"  | VERY FINE | 150  | A/O             | 77728   |
| 5"     | 7/8"  | COARSE    | 40   | CERAMIC         | 77766   |
| 5"     | 7/8"  | COARSE    | 60   | CERAMIC         | 77767   |

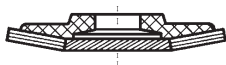
QUANTITY: Packaged 10 per box

### TECH INFO

- Ideal for cleaning of weld spatter and light deburring operations
- Operate at lower speeds for optimum performance
- Optimal RPM: 4-1/2"=4,000, 5"=3,500



|             |                |            |
|-------------|----------------|------------|
| Max RPM     | 4-1/2": 13,300 | 5": 12,200 |
| Optimal RPM | 4-1/2": 4,000  | 5": 3,500  |



Type 29 (Conical)



Angle Grinder



## SAND-LIGHT™

- Non-woven material
- Layered flaps create a thick, cushioned design which provides a nice finish
- Designed for surface preparation, cleaning and finishing applications

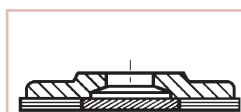
**METAL** Ferrous metals

**STAINLESS** Stainless steel, high tensile steel

**ALUMINUM** Non-ferrous metals

| DIA    | ARBOR | GRADE     | COLOR  | SAND-LIGHT™ |
|--------|-------|-----------|--------|-------------|
| 4-1/2" | 7/8"  | Coarse    | Brown  | 71980       |
| 4-1/2" | 7/8"  | Medium    | Maroon | 71982       |
| 4-1/2" | 7/8"  | Very Fine | Blue   | 71984       |
| 5"     | 7/8"  | Coarse    | Brown  | 71990       |
| 5"     | 7/8"  | Medium    | Maroon | 71992       |
| 5"     | 7/8"  | Very Fine | Blue   | 71994       |

QUANTITY: Packaged 5 per box



Type 27 (Flat)



Angle Grinder



## SAIT-STRIP™ SILICON CARBIDE PRODUCTS

- Fast, safe removal of surface contaminants
- Excellent for cleaning welds, removing corrosion, rust, scaling and blending
- Great for removing paints, varnishes and sealants from difficult to reach surfaces

**METAL** Ferrous and/or non-ferrous metals

**STAINLESS** Stainless steel, high tensile steel

## SAIT-STRIP™ RED CERAMIC BLEND PRODUCTS

- Premium ceramic blend
- Highly resistant open structure allows for very fast removal of surface contaminants
- Very aggressive material removal
- Exceptional performance for removing paints, sealants, rust, scale and varnishes

**METAL** Ferrous and/or non-ferrous metals  
rust, mill scale

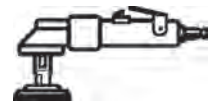
**STAINLESS** Stainless steel, high tensile steel

### TECH INFO

- Constructed of large nylon filament, providing an open, non-loading surface
- Utilizes coarse abrasive grain for rapid removal of surface contaminants, while producing fine finishes

## SAIT-LOK™ & SAIT-LOK-R™

- SAIT-LOK™ Nylon attachment on disc ensures a secure fit to the backing pad
- SAIT-LOK-R™ Nylon screw threaded hub for easy mounting to the backing pad



Portable Grinder

NON-WOVEN



SAIT-LOK™



SAIT-LOK-R™

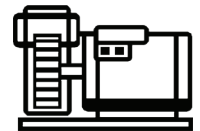
See page 132 for backing pads

| DIA | SPEC            | MAX RPM | QTY | SAIT-LOK™ | SAIT-LOK-R™ |
|-----|-----------------|---------|-----|-----------|-------------|
| 2"  | Silicon Carbide | 12,000  | 25  | 77250     | 77350       |
| 2"  | Ceramic Blend   | 12,000  | 25  | –         | 77340       |
| 3"  | Silicon Carbide | 8,500   | 10  | 77255     | 77355       |
| 3"  | Ceramic Blend   | 8,500   | 10  | –         | 77345       |

## ARBOR HOLE DISCS

- Arbor hole for easy mounting to grinder shaft

| DIA | THICKNESS | ARBOR | MAX RPM | QTY | ARBOR HOLE DISC |
|-----|-----------|-------|---------|-----|-----------------|
| 4"  | 1/2"      | 1/4"  | 6,000   | 10  | 77270           |
| 6"  | 1/2"      | 1/2"  | 4,000   | 5   | 77275           |
| 8"  | 1/2"      | 1/2"  | 3,000   | 5   | 77280           |



Pedestal Grinder

## SAIT-STRIP™ TYPE 27

- Convenient option when using a right angle grinder

| DIA    | THICKNESS | ARBOR | SPEC            | MAX RPM | QTY | SAIT-STRIP™ |
|--------|-----------|-------|-----------------|---------|-----|-------------|
| 4-1/2" | 1/2"      | 7/8"  | Silicon Carbide | 10,000  | 4   | 77230       |
| 4-1/2" | 1/2"      | 7/8"  | Ceramic Blend   | 10,000  | 4   | 77335       |



Angle Grinder



# UNITIZED WHEELS & DISCS



## UNITIZED WHEELS

- Great for controlled material removal while imparting a final finish
- Able to remove coated abrasive grind marks and polish welds
- Applications include cleaning, deburring, blending and polishing
- Great for edge breaking and final finishing

**STAINLESS** Stainless steel, high tensile steel

**ALUMINUM** Aluminum

**METAL** Ferrous metals

### Soft density, silicon carbide grain, medium grade

- Series 2SM / 524
- General purpose cleaning, finishing and polishing

### Soft density, silicon carbide grain, fine grade

- Series 2SF / 532
- Requires light pressure for fine finishing and polishing
- Highly conformable material
- Provides clean, bright surface on stainless steel
- Finer finish than the 2SM series

### Medium density, silicon carbide grain, fine grade

- Series 3SF / 632
- Requires light pressure for fine finishing and polishing
- Highly conformable material
- Provides clean, bright surface on stainless steel finishes, blends tool marks and removes slight surface imperfections

### Medium density, aluminum oxide grain, fine grade

- Series 6AM / 731
- Light pressure for blending and finishing
- High edge durability
- High degree of stock removal, while maintaining bright finish

### Hard density, aluminum oxide grain, coarse grade

- Series 8AC / 811
- Highest stock removal and edge breaking capability
- Most aggressive for deburring

### Hard density, aluminum oxide grain, medium grade

- Series 8AM / 821
- Provides high stock removal, long life and productivity
- Very durable on edge

### Hard density, zirconium grain, coarse grade

- Series 8ZC
- Provides extremely fast stock removal and exceptional durability
- Extremely durable on edge

## New Product Types Conversion Chart

| Previous | Current | Density       | Grain             | Grade    |
|----------|---------|---------------|-------------------|----------|
| 524      | 2SM     | 2 Soft        | S Silicon Carbide | C Coarse |
| 532      | 2SF     | 3 Medium      | A Aluminum Oxide  | M Medium |
| 632      | 3SF     | 6 Medium/Hard | Z Zirconium       | F Fine   |
| 731      | 6AM     |               |                   |          |
| 811      | 8AC     |               |                   |          |
| 821      | 8AM     | 8 Hard        |                   |          |
| —        | 8ZC     |               |                   |          |

## UNITIZED WHEELS

| DIA | THICKNESS | ARBOR | SERIES | DENSITY | GRAIN           | GRADE  | MAX RPM | UNITIZED WHEELS (QTY 10) | MANDREL PART # |
|-----|-----------|-------|--------|---------|-----------------|--------|---------|--------------------------|----------------|
| 1"  | 1"        | 3/16" | 8AM    | HARD    | ALUMINUM OXIDE  | MEDIUM | 30,000  | 77830                    | —              |
| 3"  | 1/2"      | 1/4"  | 8AM    | HARD    | ALUMINUM OXIDE  | MEDIUM | 18,000  | 77835                    | 95002          |
| 3"  | 1/4"      | 1/4"  | 2SM    | SOFT    | SILICON CARBIDE | MEDIUM | 18,000  | 77840                    | 95002          |
| 3"  | 1/4"      | 1/4"  | 2SF    | SOFT    | SILICON CARBIDE | FINE   | 18,000  | 77845                    | 95002          |
| 3"  | 1/4"      | 1/4"  | 3SF    | MEDIUM  | SILICON CARBIDE | FINE   | 18,000  | 77850                    | 95002          |
| 3"  | 1/4"      | 1/4"  | 6AM    | MEDIUM  | ALUMINUM OXIDE  | FINE   | 18,000  | 77855                    | 95002          |
| 3"  | 1/4"      | 1/4"  | 8AC    | HARD    | ALUMINUM OXIDE  | COARSE | 18,000  | 77860                    | 95002          |
| 3"  | 1/4"      | 1/4"  | 8AM    | HARD    | ALUMINUM OXIDE  | MEDIUM | 18,000  | 77865                    | 95002          |

## TYPE 27 UNITIZED DISCS

| DIA    | ARBOR | SERIES | DENSITY | GRAIN           | GRADE  | MAX RPM | TYPE 27 UNITIZED DISCS (QTY 5) |
|--------|-------|--------|---------|-----------------|--------|---------|--------------------------------|
| 4-1/2" | 7/8"  | 2SM    | SOFT    | SILICON CARBIDE | MEDIUM | 10,000  | 77875                          |
| 4-1/2" | 7/8"  | 3SF    | MEDIUM  | SILICON CARBIDE | FINE   | 10,000  | 77880                          |
| 4-1/2" | 7/8"  | 8AC    | HARD    | ALUMINUM OXIDE  | COARSE | 10,000  | 77885                          |
| 4-1/2" | 7/8"  | 8AM    | HARD    | ALUMINUM OXIDE  | MEDIUM | 10,000  | 77890                          |
| 4-1/2" | 7/8"  | 8ZC    | HARD    | ZIRCONIUM       | COARSE | 10,000  | 77900                          |



Die Grinder

See page 130  
for mandrels



Angle Grinder



Wheels must be run in the direction of the arrow as indicated on the wheel.

## CONVOLUTE WHEEL

- Silicon carbide grain for fast cut rate and finest finish
- Provides best durability, stock removal, and finest finish for increased productivity

**METAL** Ferrous and non-ferrous materials  
**ALUMINUM** Aluminum  
**STAINLESS** Stainless steel, high tensile materials

| DIA | THICKNESS | ARBOR | GRADE | DENSITY      | MAX RPM | QTY | CONVOLUTE |
|-----|-----------|-------|-------|--------------|---------|-----|-----------|
| 6"  | 1/2"      | 1"    | FINE  | HARD - 9SF   | 6,000   | 4   | 77810     |
| 6"  | 1"        | 1"    | FINE  | HARD - 9SF   | 6,000   | 2   | 77820     |
| 6"  | 1"        | 1"    | FINE  | MEDIUM - 8SF | 6,000   | 2   | 77815     |
| 8"  | 1"        | 3"    | FINE  | HARD - 9SF   | 4,500   | 2   | 77825     |

### TECH INFO

- Convolute wheels are constructed by wrapping non-woven nylon, impregnated with abrasive grains, around a hard core to form a homogeneous wheel
- Dense, non-woven construction for long lasting wear and high edge durability
- Smooth running for less operator fatigue
- Non-metallic for no workpiece contamination
- Smear-resistant formulation to greatly reduce the possibility of smearing

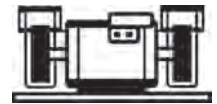
### AVAILABLE IN TWO DENSITIES

#### MEDIUM

- Excellent for general purpose deburring, blending and weld polishing
- Comparable to competitive 8SF

#### HARD

- Excellent for aggressive deburring, blending
- Comparable to competitive 9SF products



Bench Grinder

NON-WOVEN



## BUFFING DISCS

- Premium quality buffing material
- Designed for final cosmetic finishing
- A slower speed achieves a better finish and reduces heat
- Available in hook and loop, SAIT-LOK-R™ and flap disc
- **Hook & Loop** - attachment ideal for use with variable speed right angle grinders and polishers
- **SAIT-LOK-R™** - for use with portable die grinders
- **Saitlam® XP Lux** - for use with right angle grinders for maximum tool versatility

**STAINLESS** Stainless steel and other high tensile alloys  
**ALUMINUM** Aluminum, brass and other non-ferrous metals

**\*\*NEW\*\***



**\*\*NEW\*\***

| DIA    | ARBOR | QTY | SAIT-LOK-R™ | HOOK & LOOP | SAITLAM® XP LUX |
|--------|-------|-----|-------------|-------------|-----------------|
| 2"     | -     | 50  | 41012       | -           | -               |
| 3"     | -     | 25  | 41013       | -           | -               |
| 4-1/2" | 7/8"  | 5   | -           | -           | 73520           |
| 5"     | -     | 10  | -           | 41055       | -               |
| 7"     | -     | 10  | -           | 41057       | -               |



See page 136 for backing pads and buffing compound bars and kits



SAIT-LOK-R™



Angle Grinder



Disc Sander



Portable Grinder



# TECHNICAL INFORMATION

United Abrasives' brushes consist of only the highest grade industrial tempered wire and state-of-the-art construction, designed for off-hand equipment. The various styles cover a multitude of applications.

## FEATURES AND BENEFITS

Brushes are available in a variety of wire types. The proper brush for the application should be selected based on the characteristics of the brush, including wire type.

## WIRE SIZE SPECIFICATIONS

The thickness of brush wire will impact the end result of the workpiece. Fine wire, such as .008, will produce a finer finish and will yield a longer brush life. Thicker wires, such as .014 and .020 or higher, will be more aggressive and will decrease production times.

## BRUSH FILL MATERIALS

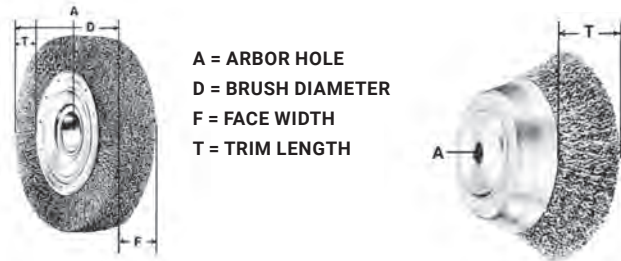
**Carbon steel**, the most durable, high strength fill material available for general purpose cleaning applications, is suitable for light to heavy duty cleaning depending on the wire diameter.

**Stainless Steel** fill material is suitable on metals such as aluminum and stainless steel when corrosion resistance and non-contaminant brushing actions are required.

## POWER BRUSH SAFETY REQUIREMENTS

1. Safety Goggles: Safety goggles, or full face shields worn over safety glasses with side shields, **MUST BE WORN** by all OPERATORS and OTHERS IN THE AREA OF POWER BRUSH OPERATIONS. Comply with the requirements of ANSI Z87.1 ("Occupational Eye and Face Protection").
2. Guards: Keep all machine guards in place.
3. Speeds: Observe all speed restrictions indicated on the brushes, containers, labels, or printed in pertinent literature. "MSFS" or "MAX.SFS" means Maximum Safe Free Speed (R.P.M.) - spinning free with no work applied. For reasons of safety, the "MSFS/MAX.SFS" should not be exceeded under any circumstances.
4. Safety Standard: Comply with the safety standards of the American National Standards Institute, ANSI B165.1 and ANSI B165.2 - "Safety Requirements - Power Brushes."
5. Protective Equipment: Appropriate protective clothing and equipment (such as full face shield, gloves, respirator, etc.) must be used where a possibility of injury exists that can be prevented by such equipment.
6. Before starting brush: Use eye protection and safety equipment. Inspect brush for rust, damage, speed limit, etc. If no-load speed marked on the power tool is higher than the brush speed limit, do not mount brush. Inspect and jog machine to assure the brush is mounted properly and securely, machine guards are in place, no vibration, etc. Run machine at operating speed for at least one minute before applying work. **DO NOT STAND IN FRONT OF OR IN LINE WITH BRUSH.**

## COMMON BRUSH TERMINOLOGY



## APPLICATION INFORMATION

- Always check warning labels for safety information
- Always follow safety guidelines included with each brush package
- Proper application of wire brushes is for the removal of various surface contaminants, not the removal of the base stock material
- The power tool determines the size and speed of the brush to be used
- Check the R.P.M. rating of the tool to verify that it does not exceed the Maximum Safe Free Speed (M.S.F.S.) of the brush
- The slowest speed that will do the job is the most efficient use of the brush. Running at the M.S.F.S. is not necessarily the most efficient speed
- The tool shaft must match the arbor hole of the brush
- The tips of wire at the end of the brush do the work. Excessive pressure will cause premature wire breakage, reduced brush life, increased heat build-up and rapid dulling

## PACKAGING INFORMATION

- All BlueLine™ wire brush packaging is one piece per package
- BlueLine™ packaging is designed to be displayed on hooks or shelving

**KNOT WIRE BRUSHES** provide high impact action and offer low to medium flexibility through the use of twisted wire tufts for heavy duty applications, such as weld cleaning. Knot wire brushes are available in 2 knot configurations.



**REGULAR TWIST KNOT:** Flag at end of wire tuft provides additional brush flexibility for irregular surface preparation.



**STRINGER BEAD KNOT:** Extremely narrow tufted face is ideal for bead weld preparation.



**CRIMPED WIRE BRUSHES** are general purpose brushes that provide higher flexibility and cleaning action through the use of flexible wire points. They offer a wider work face than knot style and are ideal for light applications such as rust or paint removal.

Flexible wire points provide cleaning action for light applications.





# WIRE BRUSHES





# BENCH WIRE WHEELS & CUP BRUSHES

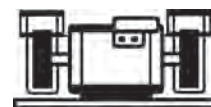


## BENCH WIRE WHEELS

- Dense, compact crimped carbon steel wire brush face
- May be stacked to achieve wider work face
- Primary application: For general scale removal, cleaning and surface preparation
- Standard 2" arbor, with adapter to listed arbor
- Includes bushing pairs to adapt to variety of arbors

All BlueLine™ wire brush packaging is one piece per package

Blue Line™  
Packaging



Bench Grinder

### CARBON STEEL WIRE

METAL

### Additional Arbors Available

| DIA | WIRE SIZE | ARBOR      | FACE WIDTH    | TRIM LENGTH | MAX RPM | QTY | CARBON STEEL |            |
|-----|-----------|------------|---------------|-------------|---------|-----|--------------|------------|
|     |           |            |               |             |         |     | INDUSTRIAL   | BLUE LINE™ |
| 6"  | .008"     | 5/8", 1/2" | NARROW (1/2") | 1-1/16"     | 6,000   | 1   | 09555        | 06555      |
| 6"  | .014"     | 5/8", 1/2" | WIDE (1")     | 1-1/16"     | 6,000   | 1   | 09557        | 06557      |
| 6"  | .014"     | 5/8", 1/2" | NARROW (1/2") | 1-3/16"     | 6,000   | 1   | 09558        | 06558      |
| 7"  | .014"     | 5/8"       | WIDE (1")     | 1-9/16"     | 6,000   | 1   | 09559        | 06559      |
| 8"  | .014"     | 5/8"       | WIDE (1")     | 1-1/2"      | 4,000   | 1   | 01411        | 06556      |
| 10" | .014"     | 3/4"       | WIDE (1")     | 2"          | 3,600   | 1   | 09560        | —          |

| ARBOR   | PART # |
|---------|--------|
| 2 X 5/8 | 95203  |
| 2 X 3/4 | 95204  |
| 2 X 1   | 95206  |

Arbors not available for part number 09555 and 09558

## LARGE CUP BRUSHES

- Primary application: For fast cleaning of large surfaces
- **KNOT WIRE:** For low to medium flexibility and aggressive cutting action
- **CRIMPED WIRE :** Higher flexibility for light cleaning and removal, especially on irregular surfaces

All BlueLine™ wire brush packaging is one piece per package

Blue Line™  
Packaging



Angle Grinder

### CARBON STEEL WIRE

METAL

### STAINLESS STEEL WIRE

METAL STAINLESS ALUMINUM

| DIA | WIRE SIZE | ARBOR  | TRIM LENGTH | TYPE    | MAX RPM | INDUSTRIAL QTY | CARBON STEEL |            | STAINLESS STEEL* |            |
|-----|-----------|--------|-------------|---------|---------|----------------|--------------|------------|------------------|------------|
|     |           |        |             |         |         |                | INDUSTRIAL   | BLUE LINE™ | INDUSTRIAL       | BLUE LINE™ |
| 4"  | .020"     | 5/8-11 | 1-1/8"      | CRIMPED | 9,000   | 1              | 09551        | 06551      | —                | —          |
| 4"  | .020"     | 5/8-11 | 1-3/8"      | KNOT    | 9,000   | 1              | 03407        | 06407      | 03406            | —          |
| 5"  | .020"     | 5/8-11 | 1-1/2"      | CRIMPED | 8,000   | 1              | 09552        | —          | 09554            | 06554      |
| 6"  | .020"     | 5/8-11 | 1-3/4"      | KNOT    | 6,600   | 1              | 03409        | 06409      | —                | —          |
| 6"  | .020"     | 5/8-11 | 1-3/4"      | KNOT    | 6,000   | 1              | 03411        | 06411      | 03413            | —          |
| 6"  | .020"     | 5/8-11 | 1-1/2"      | CRIMPED | 6,600   | 1              | 09553        | 06553      | —                | —          |
| 6"  | .035"     | 5/8-11 | 1-3/4"      | KNOT    | 6,600   | 1              | 03410        | 06410      | —                | —          |
| 6"  | .035"     | 5/8-11 | 1-3/4"      | KNOT    | 6,000   | 1              | 03412        | 06412      | —                | —          |

\* 302 stainless steel wire used





## SMALL CUP BRUSHES

- For use on small grinders
- **KNOT WIRE:** For low to medium flexibility and aggressive cutting action
- **CRIMPED WIRE:** For light cleaning and where greater flexibility is required
- Variety of threaded arbors available

| CARBON STEEL WIRE | STAINLESS STEEL WIRE |           |          |
|-------------------|----------------------|-----------|----------|
| METAL             | METAL                | STAINLESS | ALUMINUM |



Angle Grinder

All BlueLine™ wire brush packaging is one piece per package

Blue Line™ Packaging

| DIA    | WIRE SIZE | ARBOR      | TYPE    | MAX RPM | INDUSTRIAL QTY | CARBON STEEL |            | STAINLESS STEEL* |            |
|--------|-----------|------------|---------|---------|----------------|--------------|------------|------------------|------------|
|        |           |            |         |         |                | INDUSTRIAL   | BLUE LINE™ | INDUSTRIAL       | BLUE LINE™ |
| 2-3/4" | .014"     | 1/2-13     | CRIMPED | 14,000  | 6              | 01402        | 06402      | —                | —          |
| 2-3/4" | .014"     | 1/2-13     | KNOT    | 14,000  | 6              | 03418        | 06418      | 03420            | —          |
| 2-3/4" | .014"     | 5/8-11     | CRIMPED | 14,000  | 6              | 01401        | 06401      | 01408            | 06408      |
| 2-3/4" | .014"     | 5/8-11     | KNOT    | 14,000  | 6              | 03414        | 06414      | 03419            | 06419      |
| 2-3/4" | .014"     | M10 X 1.25 | CRIMPED | 14,000  | 6              | 01404        | 06404      | —                | —          |
| 2-3/4" | .014"     | M10 X 1.25 | KNOT    | 14,000  | 6              | 03416        | 06416      | 03422            | —          |
| 2-3/4" | .014"     | M14 X 2.0  | KNOT    | 14,000  | 6              | 03415        | 06415      | —                | —          |
| 2-3/4" | .020"     | 1/2-13     | KNOT    | 14,000  | 6              | 03505        | 06505      | —                | —          |
| 2-3/4" | .020"     | 5/8-11     | KNOT    | 14,000  | 6              | 03501        | 06501      | 03506            | 06506      |
| 2-3/4" | .020"     | M10 X 1.25 | KNOT    | 14,000  | 6              | 03503        | 06503      | —                | —          |
| 2-3/4" | .020"     | M10 X 1.5  | KNOT    | 14,000  | 6              | 03504        | 06504      | —                | —          |
| 3-1/2" | .014"     | 5/8-11     | CRIMPED | 12,500  | 1              | 03513        | 06513      | 03514            | 06514      |
| 3-1/2" | .020"     | 5/8-11     | KNOT    | 12,500  | 1              | 03511        | 06511      | 03512            | 06512      |

\* 302 stainless steel wire used

# WIRE WHEELS & PIPELINE BRUSHES



## REGULAR TWIST KNOT WIRE WHEELS

- For use on small grinders and portable power tools
- Provides aggressive action in the removal of bead scale, weld flash or splatter
- Covers more surface area in a single pass
- Carbon steel wire for low to medium flexibility and aggressive cutting action

| CARBON STEEL WIRE | STAINLESS STEEL WIRE |           |          |
|-------------------|----------------------|-----------|----------|
| METAL             | METAL                | STAINLESS | ALUMINUM |



Angle Grinder

All BlueLine™ wire brush packaging is one piece per package

Blue Line™ Packaging

## THREADED

| DIA | WIRE SIZE | ARBOR      | TYPE          | MAX RPM | INDUSTRIAL QTY | CARBON STEEL |            | STAINLESS STEEL* |            |
|-----|-----------|------------|---------------|---------|----------------|--------------|------------|------------------|------------|
|     |           |            |               |         |                | INDUSTRIAL   | BLUE LINE™ | INDUSTRIAL       | BLUE LINE™ |
| 4"  | .014"     | 5/8-11     | REGULAR TWIST | 20,000  | 6              | 03426        | 06426      | 03431            | 06431      |
| 4"  | .020"     | 5/8-11     | REGULAR TWIST | 20,000  | 6              | 03460        | 06460      | 03461            | 06461      |
| 4"  | .014"     | 1/2-13     | REGULAR TWIST | 20,000  | 6              | 03430        | 06430      | –                | –          |
| 4"  | .014"     | M10 X 1.25 | REGULAR TWIST | 20,000  | 6              | 03428        | 06428      | –                | –          |
| 5"  | .020"     | 5/8-11     | REGULAR TWIST | 12,000  | 1              | 03373        | 06373      | 03374            | 06374      |
| 6"  | .020"     | 5/8-11     | REGULAR TWIST | 9,000   | 1              | 03388        | 06388      | –                | –          |
| 6"  | .025"     | 5/8-11     | REGULAR TWIST | 9,000   | 3              | 03385        | 06385      | –                | –          |

\* 302 stainless steel wire used

## NON-THREADED

| DIA | WIRE SIZE | ARBOR    | TYPE          | MAX RPM | INDUSTRIAL QTY | CARBON STEEL |            | STAINLESS STEEL* |            |
|-----|-----------|----------|---------------|---------|----------------|--------------|------------|------------------|------------|
|     |           |          |               |         |                | INDUSTRIAL   | BLUE LINE™ | INDUSTRIAL       | BLUE LINE™ |
| 3"  | .014"     | 3/8"     | REGULAR TWIST | 25,000  | 4              | 03377        | 06377      | –                | –          |
| 4"  | .014"     | 1/2"     | REGULAR TWIST | 20,000  | 4              | 03378        | 06378      | –                | –          |
| 6"  | .016"     | 5/8, 1/2 | REGULAR TWIST | 9,000   | –              | –            | –          | 03387            | 06387      |
| 6"  | .020"     | 5/8, 1/2 | REGULAR TWIST | 9,000   | 1              | 03386        | 06386      | –                | –          |

\* 302 stainless steel wire used



## CRIMPED WIRE WHEELS

- For use on small grinders
- Provides flexibility and a wider work face than knot style

### CARBON STEEL WIRE

**METAL**



Angle Grinder

All BlueLine™ wire brush packaging is one piece per package

**Blue Line™ Packaging**

| DIA | WIRE SIZE | ARBOR  | TYPE    | MAX RPM | INDUSTRIAL QTY | CARBON STEEL |            |
|-----|-----------|--------|---------|---------|----------------|--------------|------------|
|     |           |        |         |         |                | INDUSTRIAL   | BLUE LINE™ |
| 4"  | .014"     | 1/2-13 | CRIMPED | 12,500  | 6              | 03454        | 06454      |
| 4"  | .014"     | 5/8-11 | CRIMPED | 12,500  | 6              | 03450        | 06450      |

## PIPELINE/STRINGER BEAD BRUSHES

- Excellent for use in the pipeline industry
- Twisted wire wheels for higher impact action
- Stringer bead wire provides aggressive action in the removal of bead scale, weld flash or splatter
- Primary application: Cleaning, deburring and scale removal

### CARBON STEEL WIRE

**METAL**

### STAINLESS STEEL WIRE

**METAL** STAINLESS ALUMINUM



Angle Grinder

All BlueLine™ wire brush packaging is one piece per package

**Blue Line™ Packaging**



| DIA    | WIRE SIZE | ARBOR     | TYPE                     | MAX RPM | INDUSTRIAL QTY | CARBON STEEL |            | STAINLESS STEEL * |            |
|--------|-----------|-----------|--------------------------|---------|----------------|--------------|------------|-------------------|------------|
|        |           |           |                          |         |                | INDUSTRIAL   | BLUE LINE™ | INDUSTRIAL        | BLUE LINE™ |
| 4"     | .020"     | 1/2-13    | STRINGER BEAD/ PIPELINE  | 20,000  | 6              | 03444        | —          | 03449             | —          |
| 4"     | .020"     | 5/8-11    | STRINGER BEAD/ PIPELINE  | 20,000  | 6              | 03440        | 06440      | 03445             | 06445      |
| 4"     | .020"     | M14 X 2.0 | STRINGER BEAD/ PIPELINE  | 20,000  | 6              | 03441        | 06441      | —                 | —          |
| 4-1/2" | .020"     | 5/8-11    | STRINGER BEAD / PIPELINE | 20,000  | 6              | 03455        | 06455      | 03459             | 06459      |
| 5"     | .020"     | 5/8-11    | STRINGER BEAD / PIPELINE | 12,000  | 6              | 03380        | 06380      | 03382             | 06382      |
| 6"     | .020"     | 5/8-11    | STRINGER BEAD / PIPELINE | 12,000  | 6              | 03384        | 06384      | 03383             | 06383      |
| 6-1/2" | .020"     | 5/8-11    | STRINGER BEAD / PIPELINE | 9,000   | 6              | 03391        | 06391      | 03389             | 06389      |

\* 302 stainless steel wire used



# JOINT BRUSHES & END BRUSHES



## JOINT BRUSH

- For use on street saws
- Primary application: Cleaning concrete expansion joints

CARBON STEEL WIRE

CONCRETE



Street Saw

| DIA | WIRE SIZE | ARBOR                   | MAX RPM | QTY | JOINT BRUSH |
|-----|-----------|-------------------------|---------|-----|-------------|
| 12" | .035"     | 1" ARBOR, 7/16" PINHOLE | 6,000   | 1   | 09570       |



## END BRUSHES

- For use on portable power tools
- Excellent for use in cleaning and finishing recessed areas or pipes
- 1/4" shank diameter
- **KNOT WIRE:** Provides aggressive cutting action
- **CIRCULAR FLARED:** Excellent for side cleaning action
- **CRIMPED WIRE:** For high flexibility

CARBON STEEL WIRE

METAL

STAINLESS STEEL WIRE

METAL STAINLESS ALUMINUM



Die Grinder

All BlueLine™ wire brush packaging is one piece per package

Blue Line™ Packaging

| DIA    | WIRE SIZE | TYPE                    | TRIM LENGTH | OVERALL LENGTH | MAX RPM | INDUSTRIAL QTY | CARBON STEEL |            | STAINLESS STEEL* |            |
|--------|-----------|-------------------------|-------------|----------------|---------|----------------|--------------|------------|------------------|------------|
|        |           |                         |             |                |         |                | INDUSTRIAL   | BLUE LINE™ | INDUSTRIAL       | BLUE LINE™ |
| 3/4"   | .014"     | CRIMPED                 | 1"          | 2-5/8"         | 22,000  | 12             | 02702        | 06702      | —                | —          |
| 3/4"   | .014"     | KNOT                    | 1-1/8"      | 2-5/8"         | 22,000  | 12             | 02703        | 06703      | —                | —          |
| 1"     | .020"     | CRIMPED                 | 1"          | 2-5/8"         | 22,000  | 12             | 02709        | 06709      | —                | —          |
| 1"     | .020"     | KNOT                    | 1"          | 2-5/8"         | 22,000  | 12             | 02701        | 06701      | 02704            | 06704      |
| 1-1/2" | .012"     | CIRCULAR FLARED CRIMPED | 5/16"       | 1-3/4"         | 20,000  | 12             | 02710        | 06710      | —                | —          |
| 2"     | .014"     | CIRCULAR CRIMPED        | 7/16"       | 1-1/4"         | 25,000  | 12             | 02712        | 06712      | —                | —          |
| 2-1/2" | .014"     | CIRCULAR FLARED CRIMPED | 11/16"      | 1-3/4"         | 20,000  | 12             | 02705        | 06705      | —                | —          |
| 3"     | .014"     | CIRCULAR FLARED CRIMPED | 7/8"        | 1-3/4"         | 25,000  | 12             | —            | —          | 02711            | 06711      |
| 3"     | .014"     | CRIMPED                 | 3/4"        | 1-1/4"         | 25,000  | 12             | 02713        | 06713      | 02714            | 06714      |

\* 302 stainless steel wire used



## ACID HAND BRUSHES

- Quality horsehair bristles
- Machine trimmed and crimped to specification

| WIDTH | TRIM LENGTH | OVERALL LENGTH | QTY | PART # |
|-------|-------------|----------------|-----|--------|
| 3/8"  | 3/4"        | 6"             | 144 | 00501  |
| 7/16" | 7/8"        | 6-1/2"         | 144 | 00502  |
| 9/16" | 7/8"        | 6-1/8"         | 144 | 00503  |



## PAINT BRUSHES

- Quality horsehair bristles
- Wood handle
- Use for solvents and chemicals

| WIDTH  | TRIM LENGTH | OVERALL LENGTH | QTY | PART # |
|--------|-------------|----------------|-----|--------|
| 1/2"   | 1-1/2"      | 7"             | 72  | 00511  |
| 1"     | 1-1/2"      | 7-1/2"         | 72  | 00512  |
| 1-1/2" | 1-1/2"      | 7-1/2"         | 72  | 00513  |
| 2"     | 1-1/2"      | 7-1/2"         | 72  | 00514  |
| 3"     | 1-1/2"      | 8"             | 48  | 00515  |
| 4"     | 2-1/4"      | 9-1/2"         | 12  | 00516  |



## METAL CHIP BRUSHES

- Durable, long lasting
- For cleaning metal chips from work surfaces

| LENGTH  | WIRE SIZE | TRIM LENGTH | QTY | PART # |
|---------|-----------|-------------|-----|--------|
| 5-5/16" | 1-12"     | 1-3/8"      | 12  | 00510  |



## SCRATCH BRUSHES

- Excellent for light scale removal
- Available in the following wire types:
  - Carbon steel wire for general purpose cleaning
  - Stainless steel wire is carbon free
  - Brass wire for general purpose cleaning
- Primary application: maintenance cleaning



| SIZE   | WIRE SIZE | MATERIAL        | TYPE                                     | QTY | PART # |
|--------|-----------|-----------------|------------------------------------------|-----|--------|
| 3 X 7  | .006"     | BRASS           | SMALL CLEANING BRUSH WITH PLASTIC HANDLE | 12  | 05768  |
| 3 X 7  | .006"     | BRASS           | SMALL CLEANING BRUSH                     | 12  | 05762  |
| 3 X 14 | .014"     | CARBON STEEL    | V-GROOVE SCRATCH                         | 12  | 05764  |
| 3 X 15 | -         | CARBON STEEL    | CHIPPING HAMMER BRUSH                    | 12  | 05757  |
| 3 X 19 | .014"     | CARBON STEEL    | CURVED HANDLE WITH SCRAPER               | 12  | 05760  |
| 3 X 19 | .014"     | CARBON STEEL    | CURVED HANDLE                            | 12  | 05751  |
| 4 X 16 | .014"     | CARBON STEEL    | SHOE HANDLE WITH SCRAPER                 | 12  | 05761  |
| 4 X 16 | .014"     | CARBON STEEL    | SHOE HANDLE                              | 12  | 05753  |
| 4 X 19 | .014"     | CARBON STEEL    | CURVED HANDLE                            | 12  | 05752  |
| 3 X 7  | .006"     | STAINLESS STEEL | SMALL CLEANING BRUSH                     | 12  | 05759  |
| 3 X 7  | .006"     | STAINLESS STEEL | SMALL CLEANING BRUSH WITH PLASTIC HANDLE | 12  | 05766  |
| 3 X 14 | .012"     | STAINLESS STEEL | V-GROOVE SCRATCH                         | 12  | 05765  |
| 3 X 19 | .012"     | STAINLESS STEEL | CURVED                                   | 12  | 05755  |
| 4 X 16 | .012"     | STAINLESS STEEL | SHOE HANDLE                              | 12  | 05763  |

# NYLON BRUSHES

## NYLON BRUSHES

- Available in silicon carbide grain
- Use on steel, aluminum, copper, brass, stainless steel, super alloys, plastics, composites, ceramics, wood, leather

**METAL** **STAINLESS** **ALUMINUM** **WOOD**



Hand Brush

## NYLON TUBE BRUSHES

| DIA    | TRIM LENGTH | OVERALL LENGTH | GRIT | QTY | PART # |
|--------|-------------|----------------|------|-----|--------|
| 1/2"   | 2"          | 5"             | 80   | 12  | 04270  |
| 5/8"   | 2"          | 5"             | 120  | 12  | 04285  |
| 1"     | 2-1/2"      | 5-1/2"         | 80   | 12  | 04275  |
| 1"     | 2-1/2"      | 5-1/2"         | 120  | 12  | 04290  |
| 1-1/4" | 2-1/2"      | 5-1/2"         | 80   | 12  | 04280  |



Angle Grinder

## NYLON CUP BRUSHES

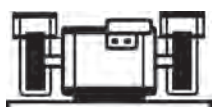
| DIA | ARBOR  | TRIM LENGTH | GRIT | MAX RPM | QTY | PART # |
|-----|--------|-------------|------|---------|-----|--------|
| 4"  | 5/8-11 | 1-1/2"      | 80   | 6,000   | 1   | 04310  |
| 6"  | 5/8-11 | 1-1/2"      | 80   | 6,000   | 1   | 04340  |



Die Grinder

## NYLON END BRUSHES

| DIA | TRIM LENGTH | OVERALL LENGTH | GRIT | MAX RPM | QTY | PART # |
|-----|-------------|----------------|------|---------|-----|--------|
| 1"  | 1"          | 2-3/4"         | 80   | 9,000   | 6   | 04390  |
| 1"  | 1"          | 2-3/4"         | 120  | 19,000  | 12  | 04380  |



Bench Grinder

## LARGE DIAMETER NYLON WHEELS

| DIA | ARBOR | FACE WIDTH | TRIM LENGTH | GRIT | MAX RPM | QTY | PART # |
|-----|-------|------------|-------------|------|---------|-----|--------|
| 3"  | 5/8"  | 1/2"       | 5/8"        | 80   | 18,000  | 1   | 04110  |
| 3"  | 5/8"  | 1/2"       | 5/8"        | 320  | 18,000  | 1   | 04120  |
| 4"  | 5/8"  | 5/8"       | 3/4"        | 120  | 12,000  | 1   | 04130  |
| 4"  | 5/8"  | 5/8"       | 3/4"        | 180  | 12,000  | 1   | 04140  |
| 6"  | 2"    | 7/8"       | 1-1/16"     | 120  | 6,000   | 1   | 04150  |



Die Grinder

## SMALL DIAMETER NYLON WHEELS

| DIA    | ARBOR | FACE WIDTH | TRIM LENGTH | GRIT | MAX RPM | QTY | PART # |
|--------|-------|------------|-------------|------|---------|-----|--------|
| 2-1/2" | 5/8"  | 3/8"       | 11/16"      | 120  | 15,000  | 4   | 04230  |





# CARBIDE BURS



# TECHNICAL INFORMATION

United Abrasives offers a complete line of tungsten carbide burs in the most popular shapes and sizes to meet your needs.

## FEATURES

- Precision ground with diamond wheels resulting in a concentric tool with very sharp, uniform teeth
- Vibration-free operation and long life
- Made in the U.S.A.

## APPLICATIONS

- Excellent for confined or hard-to-reach areas
- Use for deburring and finishing on ferrous and non-ferrous metals
- Shaping and enlarging holes in steel
- Removing welds
- Smoothing castings

## DOUBLE CUT

- Provides smooth operation and maximum tool control
- Most popular bur in ferrous applications
- Manufactured with cuts made on the left and right spirals to produce a finer finish on material resulting in smaller chips and slivers



Die Grinder

## HEAVY DUTY

- More durable design for additional resistance to chipping and less prone to filling with chips
- Substantially reduces production cost by removing more material per hour vs. standard carbide burs



## SINGLE CUT (NON-FERROUS)

- More open, aggressive cut to avoid loading on softer materials
- Easy chip flow with little or no clogging
- Provides outstanding stock removal on aluminum, magnesium, copper, soft steel, brass, zinc alloys, hard rubber, most plastics and non-ferrous metals



Wooden display case holds up to 8 burs - Part #99046

### MAXIMUM RECOMMENDED RPMs FOR CARBIDE BURS

| FILE DIA | RPM(1) | RPM(2) |
|----------|--------|--------|
| 1/4"     | 22,000 | 33,000 |
| 5/16"    | 20,000 | 30,000 |
| 3/8"     | 18,000 | 27,000 |
| 1/2"     | 16,000 | 24,000 |

Use RPM(1) for iron, steel welds, cast iron, tool steels, die steels, bronze, brass and aluminum.

Use RPM(2) for stainless steel.

## DOUBLE CUT (ALTERNATE CUT)

| TYPE | DIA   | HEAD LENGTH | OVERALL LENGTH | SHANK DIA | QTY | PART # |
|------|-------|-------------|----------------|-----------|-----|--------|
| SA1  | 1/4"  | 5/8"        | 2"             | 1/4"      | 1   | 45000  |
| SA3  | 3/8"  | 3/4"        | 2-1/2"         | 1/4"      | 1   | 45001  |
| SA5  | 1/2"  | 1"          | 2-3/4"         | 1/4"      | 1   | 45002  |
| SB1  | 1/4"  | 5/8"        | 2"             | 1/4"      | 1   | 45111  |
| SB3  | 3/8"  | 3/4"        | 2-1/2"         | 1/4"      | 1   | 45004  |
| SB5  | 1/2"  | 1"          | 2-3/4"         | 1/4"      | 1   | 45113  |
| SC1  | 1/4"  | 5/8"        | 2"             | 1/4"      | 1   | 45005  |
| SC3  | 3/8"  | 3/4"        | 2-1/2"         | 1/4"      | 1   | 45006  |
| SC5  | 1/2"  | 1"          | 2-3/4"         | 1/4"      | 1   | 45007  |
| SD1  | 1/4"  | 7/32"       | 2"             | 1/4"      | 1   | 45010  |
| SD3  | 3/8"  | 5/16"       | 2-5/16"        | 1/4"      | 1   | 45011  |
| SD5  | 1/2"  | 7/16"       | 2-1/5"         | 1/4"      | 1   | 45012  |
| SE1  | 1/4"  | 3/8"        | 2"             | 1/4"      | 1   | 45015  |
| SE5  | 1/2"  | 7/8"        | 2-5/8"         | 1/4"      | 1   | 45016  |
| SF1  | 1/4"  | 5/8"        | 2"             | 1/4"      | 1   | 45020  |
| SF3  | 3/8"  | 3/4"        | 2-1/2"         | 1/4"      | 1   | 45021  |
| SF5  | 1/2"  | 1"          | 2-3/4"         | 1/4"      | 1   | 45022  |
| SG1  | 1/4"  | 5/8"        | 2"             | 1/4"      | 1   | 45030  |
| SG3  | 3/8"  | 3/4"        | 2-1/2"         | 1/4"      | 1   | 45031  |
| SG5  | 1/2"  | 1"          | 2-3/4"         | 1/4"      | 1   | 45032  |
| SH1  | 1/4"  | 5/8"        | 2"             | 1/4"      | 1   | 45115  |
| SH2  | 5/16" | 3/4"        | 2-1/2"         | 1/4"      | 1   | 45116  |
| SH5  | 1/2"  | 1-1/4"      | 3"             | 1/4"      | 1   | 45117  |
| SL1  | 1/4"  | 5/8"        | 2"             | 1/4"      | 1   | 45025  |
| SL3  | 3/8"  | 1-1/16"     | 3"             | 1/4"      | 1   | 45026  |
| SL4  | 1/2"  | 1-1/4"      | 3"             | 1/4"      | 1   | 45027  |
| SM1  | 1/4"  | 1/2"        | 2"             | 1/4"      | 1   | 45035  |
| SM2  | 1/4"  | 3/4"        | 2"             | 1/4"      | 1   | 45036  |
| SM4  | 3/8"  | 3/4"        | 2-1/2"         | 1/4"      | 1   | 45037  |
| SM5  | 1/2"  | 1"          | 2-3/4"         | 1/4"      | 1   | 45038  |

## SINGLE CUT (NON-FERROUS)

| TYPE  | DIA  | HEAD LENGTH | OVERALL LENGTH | SHANK DIA | QTY | PART # |
|-------|------|-------------|----------------|-----------|-----|--------|
| SA3NF | 3/8" | 3/4"        | 2-1/2"         | 1/4"      | 1   | 45050  |
| SA5NF | 1/2" | 1"          | 2-3/4"         | 1/4"      | 1   | 45051  |
| SC3NF | 3/8" | 3/4"        | 2-1/2"         | 1/4"      | 1   | 45052  |
| SF3NF | 3/8" | 3/4"        | 2-1/2"         | 1/4"      | 1   | 45053  |
| SF5NF | 1/2" | 1"          | 2-3/4"         | 1/4"      | 1   | 45054  |
| SL4NF | 1/2" | 1-1/8"      | 3"             | 1/4"      | 1   | 45055  |

### TECH INFO

- Tungsten carbide construction for long life and durability
- High quality manufacturing method delivers vibration-free operation
- Precision ground with diamond wheels to produce a very sharp uniform cutting edge
- Each enclosed in individual plastic capsules for storage and protection

## HEAVY DUTY

| TYPE | DIA  | HEAD LENGTH | OVERALL LENGTH | SHANK DIA | QTY | PART # |
|------|------|-------------|----------------|-----------|-----|--------|
| SA5  | 1/2" | 1"          | 2-3/4"         | 1/4"      | 1   | 45125  |
| SC5  | 1/2" | 1"          | 2-3/4"         | 1/4"      | 1   | 45130  |
| SE5  | 1/2" | 7/8"        | 2-9/16"        | 1/4"      | 1   | 45135  |
| SF3  | 3/8" | 3/4"        | 2-1/2"         | 1/4"      | 1   | 45140  |
| SF5  | 1/2" | 1"          | 2-3/4"         | 1/4"      | 1   | 45145  |
| SG5  | 1/2" | 1"          | 2-3/4"         | 1/4"      | 1   | 45150  |
| SL3  | 3/8" | 1-1/16"     | 3"             | 1/4"      | 1   | 45155  |
| SL4  | 1/2" | 1-1/4"      | 3"             | 1/4"      | 1   | 45160  |

## EXTENDED SHANK LENGTH DOUBLE CUT

| TYPE  | DIA   | HEAD LENGTH | OVERALL LENGTH | SHANK DIA | SHANK LENGTH | QTY | PART # |
|-------|-------|-------------|----------------|-----------|--------------|-----|--------|
| SA5L4 | 1/2"  | 1"          | 5"             | 1/4"      | 4"           | 1   | 45216  |
| SC3L4 | 3/8"  | 3/4"        | 4-3/4"         | 1/4"      | 4"           | 1   | 45211  |
| SD3L4 | 3/8"  | 5/16"       | 4-3/10"        | 1/4"      | 4"           | 1   | 45210  |
| SE5L4 | 1/2"  | 7/8"        | 4-9/10"        | 1/4"      | 4"           | 1   | 45219  |
| SF3L4 | 3/8"  | 3/4"        | 4-3/4"         | 1/4"      | 4"           | 1   | 45212  |
| SF5L4 | 1/2"  | 1"          | 5"             | 1/4"      | 4"           | 1   | 45218  |
| SG3L4 | 3/8"  | 3/4"        | 4-3/4"         | 1/4"      | 4"           | 1   | 45213  |
| SG5L4 | 1/2"  | 1"          | 5"             | 1/4"      | 4"           | 1   | 45217  |
| SH2L4 | 5/16" | 3/4"        | 4-3/4"         | 1/4"      | 4"           | 1   | 45220  |
| SL3L4 | 3/8"  | 1-1/16"     | 5-1/5"         | 1/4"      | 4"           | 1   | 45214  |
| SA3L6 | 3/8"  | 3/4"        | 6-3/4"         | 1/4"      | 6"           | 1   | 45603  |
| SA5L6 | 1/2"  | 1"          | 7"             | 1/4"      | 6"           | 1   | 45605  |
| SB1L6 | 1/4"  | 5/8"        | 6-1/2"         | 1/4"      | 6"           | 1   | 45611  |
| SB3L6 | 3/8"  | 3/4"        | 6-3/4"         | 1/4"      | 6"           | 1   | 45613  |
| SC3L6 | 3/8"  | 3/4"        | 6-3/4"         | 1/4"      | 6"           | 1   | 45623  |
| SD1L6 | 1/4"  | 7/32"       | 6-3/16"        | 1/4"      | 6"           | 1   | 45631  |
| SD3L6 | 3/8"  | 5/16"       | 6-1/3"         | 1/4"      | 6"           | 1   | 45633  |
| SE5L6 | 1/2"  | 7/8"        | 6-7/8"         | 1/4"      | 6"           | 1   | 45645  |
| SF3L6 | 3/8"  | 3/4"        | 6-3/4"         | 1/4"      | 6"           | 1   | 45653  |
| SF5L6 | 1/2"  | 1"          | 7"             | 1/4"      | 6"           | 1   | 45655  |
| SG3L6 | 3/8"  | 3/4"        | 6-3/4"         | 1/4"      | 6"           | 1   | 45663  |
| SG5L6 | 1/2"  | 1"          | 7"             | 1/4"      | 6"           | 1   | 45665  |
| SH2L6 | 5/16" | 3/4"        | 6-3/4"         | 1/4"      | 6"           | 1   | 45672  |
| SL3L6 | 3/8"  | 1-1/16"     | 7-1/16"        | 1/4"      | 6"           | 1   | 45683  |
| SM3L6 | 1/4"  | 1"          | 7"             | 1/4"      | 6"           | 1   | 45693  |

## EXTENDED SHANK LENGTH SINGLE CUT (NON-FERROUS)

| TYPE    | DIA  | HEAD LENGTH | OVERALL LENGTH | SHANK DIA | SHANK LENGTH | QTY | PART # |
|---------|------|-------------|----------------|-----------|--------------|-----|--------|
| SF3NFL4 | 3/8" | 3/4"        | 4-3/4"         | 1/4"      | 4"           | 1   | 45215  |
| SC3NFL6 | 3/8" | 3/4"        | 6-3/4"         | 1/4"      | 6"           | 1   | 45063  |
| SD3NFL6 | 3/8" | 5/16"       | 6-5/16"        | 1/4"      | 6"           | 1   | 45083  |
| SF3NFL6 | 3/8" | 3/4"        | 6-3/4"         | 1/4"      | 6"           | 1   | 45073  |



|                                                                                |            |
|--------------------------------------------------------------------------------|------------|
| <b>BONDED ABRASIVE ACCESSORIES . . . . .</b>                                   | <b>130</b> |
| TYPE 27 / TYPE 42 REUSABLE ADAPTER KIT.....                                    | 130        |
| TYPE 1 / TYPE 41 & TYPE 27 / TYPE 42 REUSABLE 5/8-11 ADAPTER.....              | 130        |
| CHALLENGER II™ BACKING PAD .....                                               | 130        |
| TYPE 1 / TYPE 41 CUT-OFF WHEEL REDUCING BUSHINGS .....                         | 130        |
| TYPE 1 / TYPE 41 CUT-OFF ADAPTER .....                                         | 130        |
| SPANNER WRENCH.....                                                            | 130        |
| <b>BACKING PADS FOR FIBER DISCS . . . . .</b>                                  | <b>131</b> |
| SPIRALCOOL™ BACKING PADS FOR RESIN FIBER DISCS .....                           | 131        |
| SPIRALCOOL™ SAIT-LOK™ BACKING PADS FOR RESIN FIBER DISCS .....                 | 131        |
| CENTER NUTS .....                                                              | 131        |
| <b>LAMINATED, SURFACE CONDITIONING &amp; COTTON FIBER ACCESSORIES. . . . .</b> | <b>132</b> |
| SPIRALCOOL™ SAIT-LOK™ BACKING PADS FOR QUICK CHANGE DISCS .....                | 132        |
| SPIRALCOOL™ SAIT-LOK-R™ BACKING PADS FOR QUICK CHANGE DISCS .....              | 132        |
| SMOOTH SAIT-LOK™ BACKING PADS FOR QUICK CHANGE DISCS <b>**NEW**</b> .....      | 132        |
| SMOOTH SAIT-LOK-R™ BACKING PADS FOR QUICK CHANGE DISCS <b>**NEW**</b> .....    | 132        |
| <b>PSA / HOOK &amp; LOOP ACCESSORIES. . . . .</b>                              | <b>133</b> |
| PSA BACKING PADS.....                                                          | 133        |
| HOOK & LOOP BACKING PADS FOR PAPER DISCS.....                                  | 133        |
| HOOK & LOOP SOFT INTERFACE PADS .....                                          | 133        |
| HOOK & LOOP DRYWALL INTERFACE PADS <b>**NEW**</b> .....                        | 133        |
| CONTOUR HAND PADS .....                                                        | 133        |
| PALM HAND SANDER.....                                                          | 133        |
| <b>FLAP WHEEL &amp; COATED ABRASIVE ACCESSORIES . . . . .</b>                  | <b>134</b> |
| 1/4" SHANK ADAPTER KIT FOR FLAP WHEELS .....                                   | 134        |
| 1/4" SHANK THREADED ADAPTER FOR FLAP WHEELS.....                               | 134        |
| ABRASIVES CLEANING STICK.....                                                  | 134        |
| HAND SANDING BLOCK.....                                                        | 134        |
| <b>SPECIALTY COATED ABRASIVE ACCESSORIES . . . . .</b>                         | <b>135</b> |
| SPIRAL BAND DRUMS.....                                                         | 135        |
| CARTRIDGE ROLL MANDRELS.....                                                   | 135        |
| CROSS PAD & SQUARE PAD MANDRELS.....                                           | 135        |
| <b>NON-WOVEN ACCESSORIES. . . . .</b>                                          | <b>136</b> |
| HANDLE FOR NON-WOVEN HAND PADS .....                                           | 136        |
| SURFACE CONDITIONING BACKING PADS.....                                         | 136        |
| SUPER SOFT BUFFING DISC BACKING PADS.....                                      | 136        |
| BUFFING COMPOUND BARS & KITS .....                                             | 136        |
| SAITLAB INOX POLISHING COMPOUND.....                                           | 136        |



# ACCESSORIES



# BONDED ABRASIVE ACCESSORIES



## TYPE 27 / TYPE 42 REUSABLE ADAPTER KIT

- For use with Type 27 / Type 42 wheels on 7" and 9" 5/8-11 spindle grinders
- Alternative to a throwaway hub
- **Part # 95014** - Nut for reusable adapter kit also available

PART #

95000



## TYPE 1 / TYPE 41 & TYPE 27 / TYPE 42 REUSABLE 5/8-11 ADAPTER

- Reusable 5/8-11 adapter for use on Type 1 / Type 41 and Type 27 / Type 42 reinforced wheels with a 7/8 arbor, a max. diameter of 5" and a wheel thickness of .045 to 1/8"

PART #

95055



## CHALLENGER II™ BACKING PAD

- For use with Challenger II™ flexible grinding / blending wheels
- Set includes 5/8-11 nut and pad

| DIA         | MAX RPM       | PART # |
|-------------|---------------|--------|
| 4-1/2" & 5" | 13,300/12,200 | 95245  |
| 7"          | 8,600         | 95247  |



## TYPE 1 / TYPE 41 CUT-OFF WHEEL REDUCING BUSHINGS

- For use with Type 1 / Type 41 cut-off wheels
- Reduces wheel arbor size

| SIZE   | PART # | SIZE        | PART # |
|--------|--------|-------------|--------|
| 1-5/8" | 95030  | 7/8" - 5/8" | 95034  |
| 1-20MM | 95031  | DIA - 1/2"  | 95036  |
| 1-7/8" | 95032  | 1/2" - 3/8" | 95037  |
| 1-3/4" | 95033  |             |        |



## TYPE 1 / TYPE 41 CUT-OFF ADAPTER

- For use with Type 1 / Type 41 thin high speed cut-off wheels up to 3" diameter only

| SHANK | THREAD | PART # |
|-------|--------|--------|
| 1/4"  | 1/4-20 | 95002  |
| 1/4"  | 3/8-24 | 95003  |



## SPANNER WRENCH

- Adjustable wrench for tightening and loosening center nuts
- Fits all center nuts

PART #

95008





## SPIRALCOOL™ BACKING PADS FOR RESIN FIBER DISCS

- Spiralcool™ backing pads' exclusive rubber, fabric and fiber board construction provide extra strength and reliability
- Spiral ribs provide contact points and form channels for air flow extending discs life 30% to 50%
- Each pad is supplied with a nut as indicated
- Also for use with non-woven Ultimate Performance Discs with Arbor Hole

| DIA    | ARBOR  | HARDNESS | MAX RPM | PART # |
|--------|--------|----------|---------|--------|
| 4"     | 5/8-11 | MEDIUM   | 12,000  | 95010  |
| 4-1/2" | 5/8"   | MEDIUM   | 11,000  | 95011  |
| 4-1/2" | 1/2"   | MEDIUM   | 11,000  | 95012  |
| 4-1/2" | 5/8"   | HARD     | 11,000  | 95110  |
| 5"     | 5/8"   | MEDIUM   | 10,000  | 95016  |
| 5"     | 5/8"   | HARD     | 10,000  | 95111  |
| 6"     | 5/8"   | MEDIUM   | 8,500   | 95112  |
| 6"     | 5/8"   | HARD     | 8,500   | 95113  |
| 7"     | 5/8-11 | SOFT     | 8,600   | 95017  |
| 7"     | 5/8-11 | MEDIUM   | 8,600   | 95018  |
| 7"     | 5/8-11 | HARD     | 8,600   | 95019  |
| 9"     | 5/8-11 | MEDIUM   | 6,500   | 95021  |
| 9"     | 5/8-11 | HARD     | 6,500   | 95022  |

Additional nuts may be purchased separately. This backing pad is not to be used with SAIT-LOK™ quick change fiber discs



## SPIRALCOOL™ SAIT-LOK™ BACKING PADS FOR RESIN FIBER DISCS

- Unique spiral face increases aggressiveness and improves disc life by staying cooler
- For use with SAIT-LOK™ fiber discs
- Minimizes change-over downtime
- No additional mounting hardware required

| DIA    | ARBOR  | MAX RPM | PART # |
|--------|--------|---------|--------|
| 4-1/2" | 5/8-11 | 15,000  | 95115  |
| 5"     | 5/8-11 | 15,000  | 95116  |
| 6"     | 5/8-11 | 8,500   | 95119  |
| 7"     | 5/8-11 | 8,600   | 95117  |
| 9"     | 5/8-11 | 6,500   | 95118  |



## CENTER NUTS

- For attaching fiber discs to backing pad and tool
- Use small for 4", 4-1/2", 5" diameter pads
- Use large for 7", 9" diameter pads

| SIZE         | PART # |
|--------------|--------|
| 5/8-11 SMALL | 95040  |
| 5/8-11 LARGE | 95041  |
| 1/2-13       | 95042  |
| M10 X 1.25   | 95043  |



## SAIT-LOK™ & SAIT-LOK-R™ BACKING PADS FOR QUICK CHANGE DISCS

- Available in hard density for aggressive cutting action
- Minimizes change-over time
- **Spiralcool™** - unique spiral face increases aggressiveness and improves disc life by staying cooler
- **Smooth** - smooth pad for finer finishing and maximum conformability

### SAIT-LOK™

- Disc twists into metal threaded center of backing pad for fast and easy disc changes
- For use with SAIT-LOK™ laminated and surface conditioning discs



SAIT-LOK™

**\*\*NEW\*\***

| DIA    | SHANK | HARDNESS | MAX RPM | SPIRALCOOL™<br>PART # | SMOOTH<br>PART # |
|--------|-------|----------|---------|-----------------------|------------------|
| 1"     | 1/4"  | MEDIUM   | 40,000  | 95285                 | —                |
| 1-1/2" | 1/4"  | MEDIUM   | 25,000  | 95286                 | 95166            |
| 1-1/2" | 1/4"  | HARD     | 25,000  | 95386                 | —                |
| 2"     | 1/4"  | MEDIUM   | 30,000  | 95287                 | 95167            |
| 2"     | 1/4"  | HARD     | 30,000  | 95387                 | 95267            |
| 3"     | 1/4"  | MEDIUM   | 20,000  | 95288                 | 95168            |
| 3"     | 1/4"  | HARD     | 20,000  | 95388                 | 95268            |

### SAIT-LOK-R™

- Nylon threaded hub of disc twists into backing pad for secure fit
- For use with SAIT-LOK-R™ laminated and surface conditioning discs, cotton fiber discs and Encore Mini Flap Discs



SAIT-LOK-R™

**\*\*NEW\*\***

| DIA    | SHANK | HARDNESS | MAX RPM | SPIRALCOOL™<br>PART # | SMOOTH<br>PART # |
|--------|-------|----------|---------|-----------------------|------------------|
| 1-1/2" | 1/4"  | MEDIUM   | 25,000  | 95292                 | 95171            |
| 1-1/2" | 1/4"  | HARD     | 25,000  | 95392                 | —                |
| 2"     | 1/4"  | MEDIUM   | 30,000  | 95293                 | 95172            |
| 2"     | 1/4"  | HARD     | 30,000  | 95393                 | 95272            |
| 3"     | 1/4"  | MEDIUM   | 20,000  | 95294                 | 95173            |
| 3"     | 1/4"  | HARD     | 20,000  | 95394                 | 95273            |
| 4"     | 1/4"  | MEDIUM   | 12,000  | 95295                 | —                |



## PSA BACKING PADS

- For use with PSA adhesive backed sanding discs
- 1/4" shank pads for die grinders
- Threaded pads for dual action/random orbital sanders and right angle grinders/sanders

Portable  
Grinder

Disc  
Sander

Angle  
Grinder

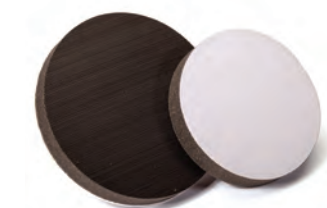
| DIA          | ATTACHMENT     | MAX RPM | PART # |
|--------------|----------------|---------|--------|
| 1"           | 1/4" SHANK     | 30,000  | 95059  |
| 1-1/2"       | 1/4" SHANK     | 30,000  | 95060  |
| 2"           | 1/4" SHANK     | 28,000  | 95061  |
| 3"           | 1/4" SHANK     | 20,000  | 95062  |
| 4"           | 1/4" SHANK     | 16,000  | 95063  |
| 5"           | 1/4" SHANK     | 12,000  | 95064  |
| 5"           | 5/16-24 THREAD | 10,000  | 95065  |
| 5" - 5 HOLES | 5/16-24 THREAD | 10,000  | 95085  |
| 6"           | 5/16-24 THREAD | 10,000  | 95066  |
| 6" - 6 HOLES | 5/16-24 THREAD | 10,000  | 95086  |
| 8"           | MOUNTING HOLES | 10,000  | 95180  |
| 7"           | 5/8-11 ARBOR   | 4,800   | 95068  |
| 8"           | 5/8-11 ARBOR   | 4,800   | 95067  |



## HOOK & LOOP BACKING PADS FOR PAPER DISCS

- For use with Hook & Loop backed paper discs
- Available 5/16-24 thread

| DIA          | ATTACHMENT     | MAX RPM | PART # |
|--------------|----------------|---------|--------|
| 5"           | 5/16-24 THREAD | 10,000  | 95047  |
| 5" - 5 HOLES | 5/16-24 THREAD | 10,000  | 95057  |
| 5" - 8 HOLES | 5/16-24 THREAD | 10,000  | 95058  |
| 6"           | 5/16-24 THREAD | 10,000  | 95046  |
| 6" - 6 HOLES | 5/16-24 THREAD | 10,000  | 95056  |
| 8"           | MOUNTING HOLES | 1,500   | 95185  |
| 8"           | 5/8-11 ARBOR   | 1,500   | 95187  |



## HOOK & LOOP SOFT INTERFACE PADS

- For use with 5" and 6" Hook & Loop backing pads
- Excellent for final finishing as the soft foam backing makes the grain cut less and finish finer
- The perfect complement for the 4S/4V Hook & Loop products

| DESCRIPTION                       | PART # |
|-----------------------------------|--------|
| 5" SOFT INTERFACE HOOK & LOOP PAD | 95175  |
| 6" SOFT INTERFACE HOOK & LOOP PAD | 95176  |



## HOOK & LOOP \*\*NEW\*\* DRYWALL INTERFACE PADS

- For use with 9" drywall discs

| DESCRIPTION                      | PART # |
|----------------------------------|--------|
| 8-1/4" HOOK & LOOP INTERFACE PAD | 95084  |



## CONTOUR HAND PADS

- For manual use with Hook & Loop discs
- For more uniform finish when hand sanding

| LENGTH | HOOK & LOOP PART # | PSA PART # |
|--------|--------------------|------------|
| 6"     | 95250              | 95260      |



## PALM HAND SANDER

- For manual use with PSA or Sand-Light™ / Hook & Loop discs
- For more uniform finish when hand sanding

| DIA | SAND-LIGHT™ PART # | PSA PART # |
|-----|--------------------|------------|
| 5"  | 95081              | 95091      |
| 6"  | 95082              | 95092      |



# FLAP WHEEL & COATED ABRASIVE ACCESSORIES



## 1/4" SHANK ADAPTER KIT FOR FLAP WHEELS

- For converting 1" or 5/8" arbors to a 1/4" shank
- 1/4" shank adapter kit

PART #

95009



## 1/4" SHANK THREADED ADAPTER FOR FLAP WHEELS

- For use on United Abrasives 1/4-20 threaded flap wheels
- Facilitates a quick change, thus less downtime

PART #

95050



## ABRASIVES CLEANING STICK

- For removing loaded material from sanding belts
- Increases abrasive life
- 100% natural rubber; environmentally safe
- Lasts twice as long as conventional (crepe) belt cleaners and will not cause gummy residue

| HEIGHT | WIDTH  | LENGTH | PART # |
|--------|--------|--------|--------|
| 1-1/2" | 1-1/2" | 8-1/2" | 95083  |



## HAND SANDING BLOCK

- For use with SAIT-PAK™ 9" x 11" Sheets

PART #

16000



## SPIRAL BAND DRUMS

- For use with spiral bands

| DIA    | LENGTH | SHANK | MAX RPM | PART # |
|--------|--------|-------|---------|--------|
| 1/2"   | 1/2"   | 1/4"  | 30,000  | 95121  |
| 1/2"   | 1"     | 1/4"  | 15,000  | 95122  |
| 1/2"   | 1-1/2" | 1/4"  | 12,000  | 95123  |
| 3/4"   | 1"     | 1/4"  | 19,000  | 95126  |
| 3/4"   | 1-1/2" | 1/4"  | 10,000  | 95127  |
| 1"     | 1"     | 1/4"  | 18,000  | 95130  |
| 1-1/2" | 1"     | 1/4"  | 14,000  | 95133  |
| 1-1/2" | 1-1/2" | 1/4"  | 10,000  | 95134  |
| 2"     | 2"     | 1/4"  | 6,000   | 95137  |
| 3"     | 3"     | 1/4"  | 3,000   | 95140  |



## CARTRIDGE ROLL MANDRELS

- For use with straight and full taper cartridge rolls

| DIA   | PILOT LENGTH | SHANK | PART # |
|-------|--------------|-------|--------|
| 1/4"  | 1-1/2"       | 1/4"  | 95101  |
| 1/4"  | 1"           | 1/4"  | 95102  |
| 1/8"  | 1-1/2"       | 1/4"  | 95103  |
| 1/8"  | 1"           | 1/4"  | 95104  |
| 1/8"  | 3/4"         | 1/4"  | 95105  |
| 3/16" | 1-1/2"       | 1/4"  | 95106  |
| 3/16" | 1"           | 1/4"  | 95107  |
| 3/32" | 3/4"         | 1/8"  | 95108  |



## CROSS PAD & SQUARE PAD MANDRELS

- For use with cross and square pads

| THREAD SIZE | SHANK | PART # |
|-------------|-------|--------|
| 3-48        | 1/4"  | 95095  |
| 8-32        | 1/4"  | 95096  |
| 1/4-20      | 1/4"  | 95097  |

# NON-WOVEN ACCESSORIES

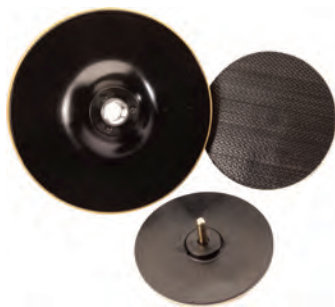


## HANDLE FOR NON-WOVEN HAND PADS

- For manual use with non-woven 6 x 9 hand pads
- For more uniform finish when hand sanding

PART #

95080



## SURFACE CONDITIONING BACKING PADS

- For use with Hook & Loop style Sand-Light™ and surface conditioning discs
- 1/4" shank pads
- Threaded pads available for dual action random orbital sanders and right angle grinder/sander

|                  | DIA    | ATTACHMENT     | MAX RPM | PART # |
|------------------|--------|----------------|---------|--------|
| Portable Grinder | 4"     | 1/4" SHANK     | 15,000  | 95154  |
|                  | 5"     | 1/4" SHANK     | 10,000  | 95153  |
| Disc Sander      | 4"     | 5/16-24 THREAD | 10,000  | 95157  |
|                  | 5"     | 5/16-24 THREAD | 10,000  | 95155  |
|                  | 6"     | 5/16-24 THREAD | 10,000  | 95156  |
| Angle Grinder    | 4-1/2" | 5/8-11 ARBOR   | 6,000   | 95159  |
|                  | 5"     | 5/8-11 ARBOR   | 6,000   | 95160  |
|                  | 6"     | 5/8-11 ARBOR   | 6,000   | 95161  |
|                  | 7"     | 5/8-11 ARBOR   | 4,800   | 95162  |
|                  | 8"     | 5/8-11 ARBOR   | 4,800   | 95163  |



## SUPER SOFT BUFFING DISC BACKING PADS

- For use with buffing discs
- Available in 5" & 7" with 5/8-11 threaded arbor

| DIA | ARBOR  | MAX RPM | PART # |
|-----|--------|---------|--------|
| 5"  | 5/8-11 | 3,200   | 95255  |
| 7"  | 5/8-11 | 3,200   | 95257  |

## BUFFING COMPOUND BARS & KITS



| COLOR | DESCRIPTION                                                                                                                                                                                                       | SIZE      | QTY   | PART # |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|--------|
| BROWN | Used for buffing aluminum, brass, copper, wood, plastics, hard rubber, and painted surfaces. Also called tripoli rouge.                                                                                           | 1 lb. Bar | 1     | 41024  |
| WHITE | Used for buffing stainless steel, carbon steel, nickel, aluminum, and chromium to a high luster shine.                                                                                                            | 1 lb. Bar | 1     | 41022  |
| RED   | For buffing precious metals like gold, silver, platinum, sterling, and other high-end metals. Can also be used to further enhance materials that have already been buffed with other compounds. The finest grade. | 1 lb. Bar | 1     | 41020  |
| BLACK | Used to buff contaminants out prior to finishing. Will remove rust, stains, scale, and other contaminants. An extremely fast cutting material. Also called emery cake.                                            | 1 lb. Bar | 1     | 41026  |
| KIT   | Buffing Compound Kit (Includes 1 - 6oz bar of each color)                                                                                                                                                         | —         | 1 kit | 41000  |



## SAITLAB INOX POLISHING COMPOUNDS

| SPEC    | COLOR      | DESCRIPTION                                                                                                           | SIZE     | QTY | PART # |
|---------|------------|-----------------------------------------------------------------------------------------------------------------------|----------|-----|--------|
| CELESTE | LIGHT BLUE | Fine grade abrasive compound for polishing and mirror finishing of stainless steel and aluminum. Also called celeste. | 500g Bar | 6   | 41202  |
| BLU     | BLUE       | Medium grade abrasive compound for polishing and finishing of stainless steel and aluminum.                           | 500g Bar | 6   | 41201  |





# TECHNICAL INFO & SAFETY GUIDE



# BONDED ABRASIVES

## WHAT IS A BONDED ABRASIVE?

A resin bonded abrasive is a grinding or cutting tool composed of abrasive grains which are held tightly together by a bonding agent and typically reinforced with a woven material. Within the bonded abrasives category are grinding and cutting wheels, as well as “stones” in a variety of shapes and sizes.

## MAIN COMPONENTS OF RESINOID BONDED ABRASIVES

### Abrasive Grains

Abrasive grains, sometimes referred to as grit, are particles of man-made compounds. The chemical structure of the grains determines the physical properties such as the shape and sharpness of each particle along with its hardness and friability (the propensity to break down). Common grain types used in making bonded abrasives include:

**A - Aluminum Oxide:** A tough blocky shaped grain used for cutting metals and other high tensile strength materials without excessive fracturing.

**C - Silicon Carbide:** A very hard and very sharp abrasive suited for non-metallic materials such as concrete.

**Z - Zirconium:** A very fine, dense crystalline grain which can be used for rugged stock removal.

**SG - Ceramic:** A unique ceramic aluminum oxide that is two or three times tougher than standard aluminum oxide.

### Bonding Agent

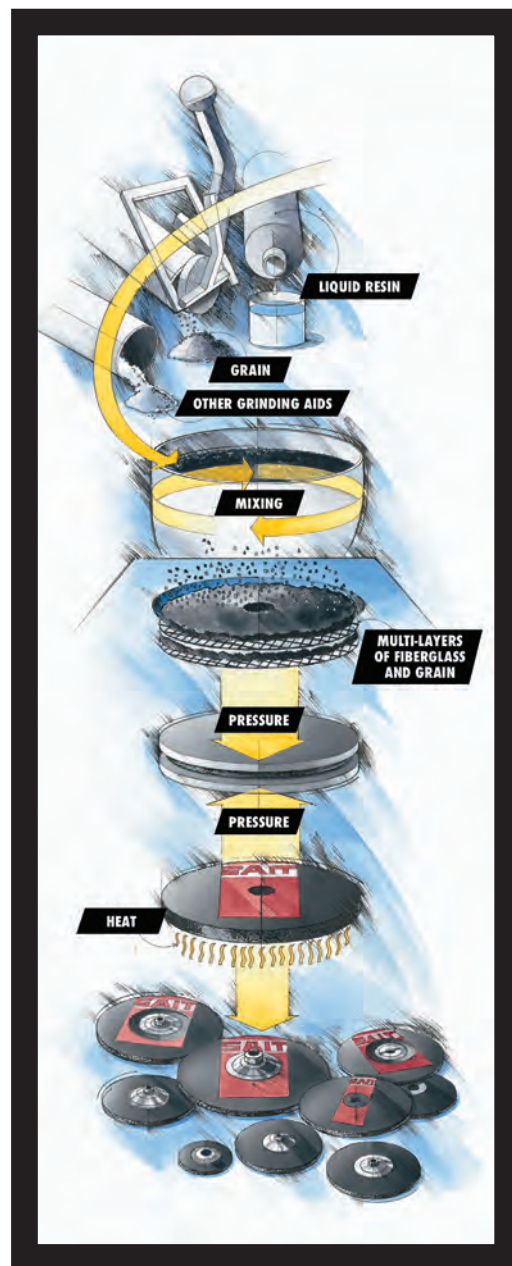
The bonding agent that holds the grains together determines the resistance of the wheel.

### Reinforcement

The reinforcement material provides strength to operate the abrasive product at the marked maximum RPMs and to withstand lateral pressure that is applied during use. This critical element, unseen to the naked eye, determines the structural strength of the product.

## COMBINING THE COMPONENTS

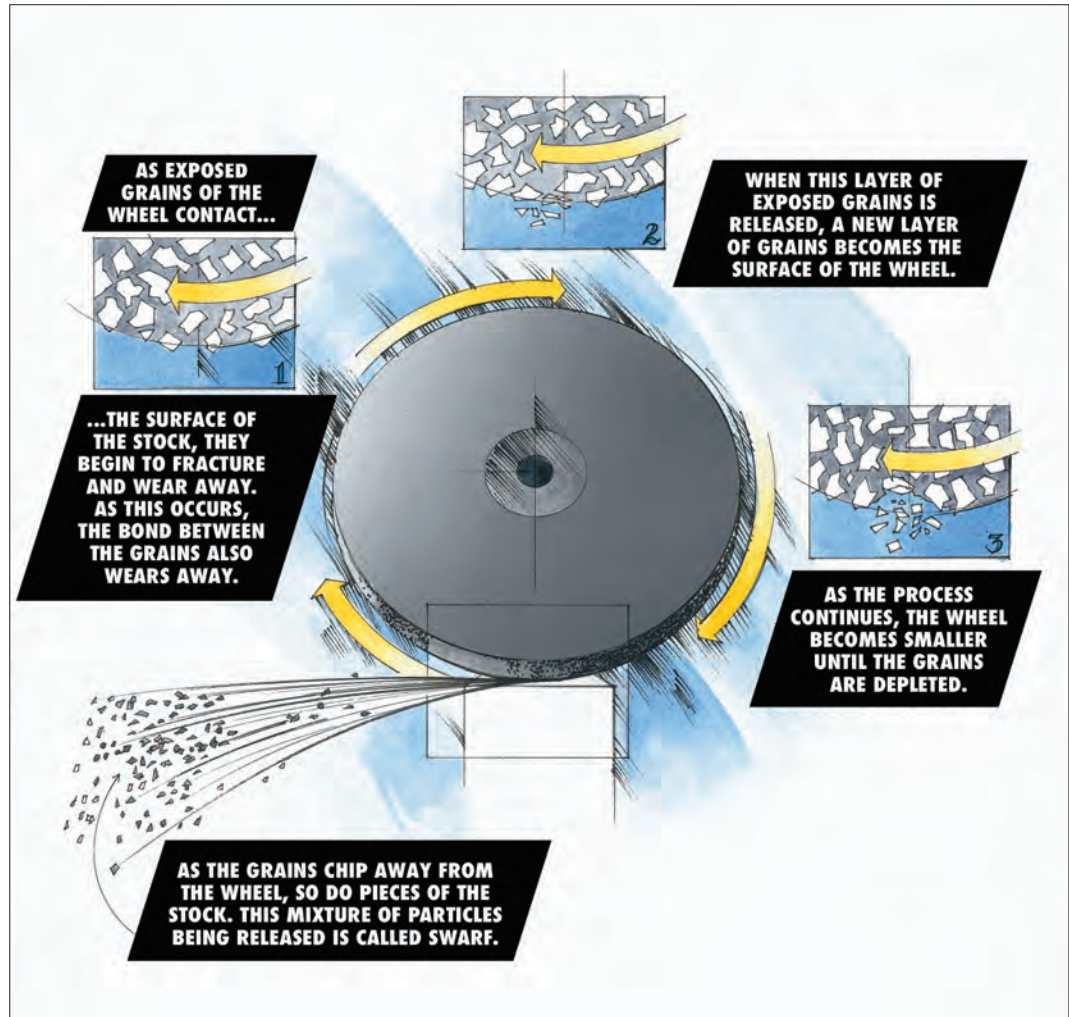
During the manufacturing process, these three components are combined to form an abrasive tool. The grains and bonding agents are measured, combined and then pressed in an automated hydraulic press. The items are then cured in temperature controlled ovens.



THE  
**UNITED**  
**ABRASIVES**  
**SAIT**  
**DIFFERENCE**

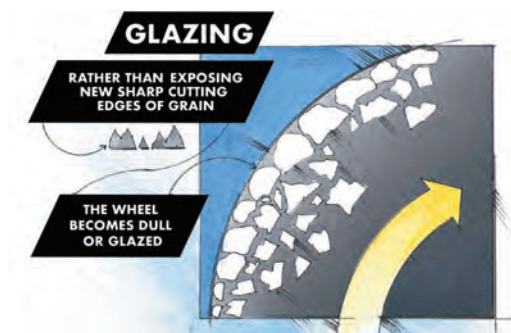
- Only uses first quality, premium grains that are made to our specifications
- Never uses inferior fillers or bonding agents
- Always uses first quality, heavy duty fiberglass to ensure your safety
- The manufacturing process, from start to finish, incorporates state-of-the-art equipment, quality control analysis and compliance, and rigorous product evaluation to ensure our customers receive the safest, most consistent and best performing wheels on the market

# HOW A WHEEL WORKS



## COMMON OCCURRENCES WITH GRINDING/CUTTING APPLICATIONS

As a wheel is grinding and/or cutting, some situations may occur with the application such as glazing or loading.



### Solutions to Glazing

- Dress the wheel for a temporary solution
- Use a softer bond and/or coarser grit wheel



### Solutions to Loading

- Dress the wheel for a temporary solution
- Use the correct wheel for the application



# RESIN BONDED ABRASIVES

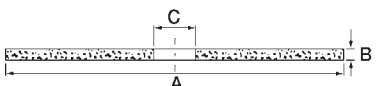
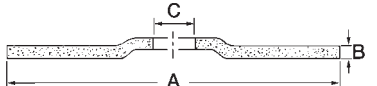
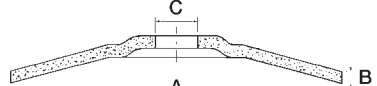
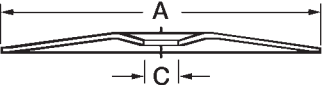
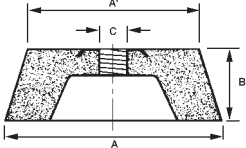
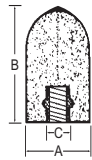
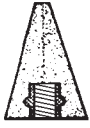
## ANSI STANDARD MARKING SYSTEM

The following chart is an example of the ANSI standard marking system for identifying grinding wheels and other bonded abrasives.

| A                                    | 24                         |        |      |           | R                    | BF              |                   |   |
|--------------------------------------|----------------------------|--------|------|-----------|----------------------|-----------------|-------------------|---|
| Primary grain used to make the wheel | Size of the abrasive grain |        |      |           | Hardness of the bond |                 | Type of bond used |   |
|                                      | Coarse                     | Medium | Fine | Very Fine | Soft                 | A               | B = Resinoid      |   |
| A = Aluminum Oxide                   | 8                          | 30     | 70   | 220       |                      |                 | Medium            | N |
| C = Silicon Carbide                  | 10                         | 36     | 80   | 240       | R                    | O = Oxychloride |                   |   |
| Z = Alumina Zirconium                | 12                         | 46     | 90   | 280       |                      |                 |                   |   |
| SG = Seeded Gel                      | 14                         | 54     | 100  | 320       | Hard                 | Z               |                   |   |
|                                      | 16                         | 60     | 120  | 400       |                      |                 | V = Vitrified     |   |
|                                      | 20                         |        | 150  | 500       |                      |                 |                   |   |
|                                      | 24                         |        | 180  | 600       |                      |                 |                   |   |

## WHEEL CONFIGURATIONS

Bonded abrasive wheels have different configurations depending upon the tool the wheel is used on and the desired end result. Below are the configurations that a wheel can have:

|                                                                                                                              |                                                                                                                                       |                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>TYPE 1 / TYPE 41 – STRAIGHT WHEEL</b>  | <b>TYPE 27 / TYPE 42 – DEPRESSED CENTER WHEEL</b>  | <b>TYPE 28 – SAUCER-SHAPED WHEEL</b>  |
| <b>TYPE 29 – FLEXIBLE WHEEL</b>           | <b>TYPE 11 – FLARING CUP WHEEL</b>                 | <b>TYPE 16 – ROUNDED CONE</b>         |
| <b>TYPE 17 – STRAIGHT-SIDED CONE</b>      | <b>TYPE 18 – PLUG</b>                              | <b>TYPE 18R – ROUND PLUG</b>          |

A = The diameter of the wheel

B = The width or thickness of the wheel

C = The bore of the wheel

# EXCLUSIVE SUPER-LOCK™ HUB

Super-Lock™ combines a mechanically interlocked transversed key lock system with a unique two-part bonding system to give it superior performance capabilities. Other manufacturers use hubs that depend only on two-part epoxy which can fail in many instances due to poor surface preparation, improper curing conditions, incorrect ratio of catalyst and epoxy, or the quantity of epoxy material applied.

## UNIQUE IN THE INDUSTRY

The United Abrasives Super-Lock™ system is our exclusive, fail-safe throw-away hub assembly. This is a unique hubbing system that is used on Type 27 and Type 28 grinding and cutting wheels where hub mounting is preferred.

## UNSURPASSED PERFORMANCE

The rotational torque placed upon wheels can vary based on material being removed and pressure that is applied. While the chemical bonds that other manufacturers use can fail, the Super-Lock™ Hub ensures the stability of the hub-to-wheel connection.

## MILLIONS SOLD - NOT ONE FAILURE

Since 1983, United Abrasives has manufactured and sold millions of depressed center wheels with Super-Lock™ Hubs. Not a single one has ever been reported as a failure.

## PATENTED

The Super-Lock™ Hub system is so safe that it was originally protected by United States patent #4,541,205. United Abrasives is the only manufacturer to utilize this outstanding hub system.

## USE ON TYPE 27 AND TYPE 28 WHEELS

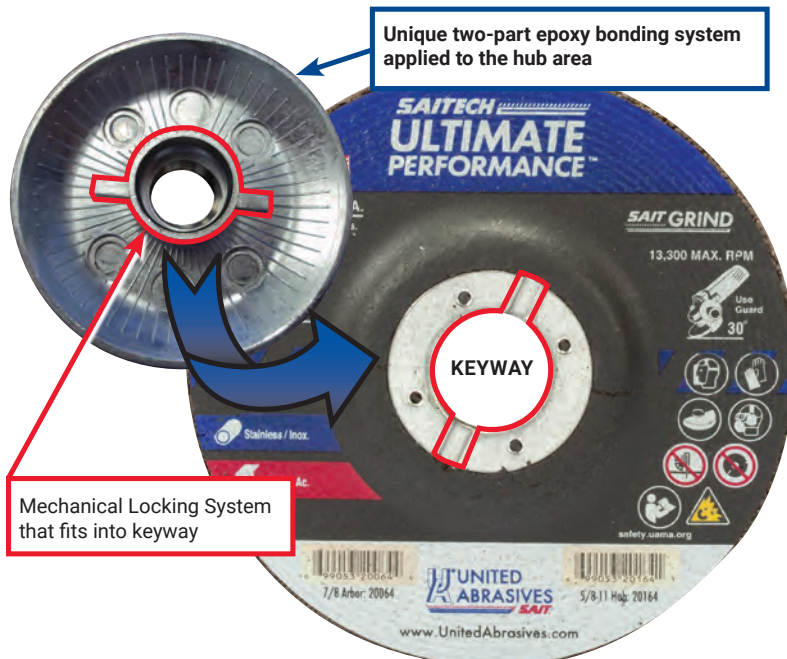
The Super-Lock™ Hub System is available on 4-1/2", 5", 6", 7" and 9" Type 27 and Type 28 depressed center grinding and cutting wheels. Turbo 5" x 1/8", .045" wheels, .090" wheels, .095" wheels and flap discs do not have Super-Lock™ Hubs but use a non-keyway hub with the same unique two-part bonding system.

Look for this drawing throughout the catalog indicating the wheels that are available with the Super-Lock™ Hub.



5/8"-11  
Super-Lock™ Hub

## BEFORE



## AFTER



# SAFETY GUIDE

## Important

The following information about safety should be used only as a guide. All products listed in this catalog shall be used in accordance with safety regulations set by OSHA and by the directive described by the American National Safety Institute B7.1, the Canadian Standard Association Safety Code B-173-5 and by the American Brush Manufacturers Association covering: Speed, Safety Guards, Flanges, Mounting Procedures, General Operating Rules, Handling, Storage, and Inspection of General Machine Conditions.

## Operate Wheels at Recommended Speeds

It is imperative that abrasive wheels be operated at recommended safe speeds. For safety reasons no abrasive wheel shall be operated at a speed greater than that indicated on the blotter or wheel.

## Warning

Avoid inhalation of dust generated by grinding and cutting operations. Exposure to dust may cause respiratory ailments as well as irritation to eyes and skin. In most cases, a greater hazard is the exposure to the dust/fumes from the base material being ground or paint or coatings applied to it. Use approved NIOSH or MSHA respirators, safety glasses or face shields, gloves and protective clothing. Provide adequate ventilation to eliminate dust or to maintain dust levels below the permissible exposure level for nuisance dust as classified by OSHA. Refer to Material Safety Data Sheet for further information.

All operators must read and understand safety information thoroughly.

## Follow Safety Instructions

You must follow all operator and safety instructions, as well as all common safety practices which reduce the likelihood of physical injury.

## DOs & DON'Ts

The information below is designed as a guide for the individual user of abrasive wheels, whether he be in the employ of a large corporation or in the confines of his home work shop. It is based on the premise that grinding/cutting is a safe operation when a few basic rules are followed. These rules are based on material contained in the American National Standards Institute Safety Requirements B7.1 - "Use, Care & Protection of Abrasive Wheels." Follow Them. A pamphlet including these Do's and Don'ts and other safety information is included in each box of wheels.

- **DO** always handle and store wheels in a careful manner.
- **DO** visually inspect all wheels before mounting for possible damage.
- **DO** make sure operating speed of machine does not exceed speed marked on wheel, its blotter or container.
- **DO** check mounting flanges for equal size, relieved as required and correct diameter.
- **DO** use mounting blotters as required by ANSI standards.
- **DO** be sure work rest is properly adjusted on bench, pedestal and floor stand grinders.
- **DO** always use safety guard that covers a minimum of one-half (1/2) the abrasive wheel.
- **DO** allow newly mounted wheels to run at operating speed, with guard in place, for at least one minute before grinding.
- **DO** always wear safety glasses or some type of approved eye protection while grinding or cutting.
- **DO** turn off coolant before stopping wheel to avoid creating an out-of-balance condition.
- **DO** follow common sense safety considerations.
- **DO** follow federal, state and local laws and regulations.
- **DON'T** use a wheel that has been dropped or appears to have been abused.
- **DON'T** force a wheel onto the machine or alter the size of the mounting hole. If the wheel won't fit the machine, get one that will.
- **DON'T** ever exceed maximum operating speed established for the wheel.
- **DON'T** use mounting flanges on which the bearing surfaces are not clean, flat and smooth.
- **DON'T** tighten the mounting nut excessively.
- **DON'T** grind on the side of conventional, straight or Type 1 wheels.
- **DON'T** use a wheel on any machine that is not properly designed for the specific application of the wheel.
- **DON'T** start the machine until the safety guard is properly and securely in place.
- **DON'T** jam work into the wheel.
- **DON'T** stand directly in front of a grinding/cutting wheel whenever a machine is in operation.
- **DON'T** grind or cut material for which the wheel is not designed.



# STORAGE AND HANDLING



## BONDED ABRASIVES

All abrasive wheels are breakable and therefore care shall be exercised in handling and storage to prevent damage.

The following rules, which are based on experience, shall be observed:

- Handle wheel carefully to prevent dropping or bumping
- Do not roll wheels (hoop fashion)
- Use trucks or other suitable conveyances to provide support and protection in transporting all wheels which cannot be carried by hand
- Suitable racks, bins, drawers or boxes shall be provided to store the various types of wheels used
- Abrasive wheels should be stored in a dry area not subject to extreme temperature changes since some bonds may be affected by excessive humidity and temperature differentials
- Racks should be located as near as practical to the grinding location, but never where there is danger of damage from passing trucks, crane handling equipment or excessive vibration
- Please refer to the Safety Guide accompanying the product and on the previous page of this catalog

## COATED ABRASIVES

Incorrect storage of coated abrasives will significantly affect performance. All types of backings are susceptible to variations in temperature and humidity during storage:

- Keep stockroom at constant levels of humidity (35-50%) and temperature (60-80° F)
- Keep cartons away from damp or cold walls and floors where they may absorb moisture
- Store coated abrasives away from any heat source
- Keep products in original packages for easy handling and stacking
- Flap wheels removed from the original packaging should be spread out on a clean shelf, always placed face down, never resting on edge
- Fiber discs removed from the original packaging should be stored in a suitable disc holder and kept under pressure
- Store bulk rolls flat on shelves or pallets, not on edge
- Belts removed from packing case should be rolled up and stood on edge on a clean shelf. They may be draped over a large cylinder but never hang a belt from a nail or peg (the backing will crease and the abrasive coat will crack)
- Precondition the coated abrasive products in a humidity and temperature controlled environment before use for maximum efficiency



# INDEX BY PART NUMBER

| Product No. ....  | Page | Product No. ....  | Page | Product No. ....  | Page |
|-------------------|------|-------------------|------|-------------------|------|
| 00501-00516 ..... | 123  | 20171-20172 ..... | 12   | 23258.....        | 42   |
| 01401-01408 ..... | 119  | 20173.....        | 9    | 23265-23276 ..... | 39   |
| 01411.....        | 118  | 20174.....        | 11   | 23305.....        | 31   |
| 02701-02714 ..... | 122  | 20175-20195 ..... | 9    | 23306.....        | 33   |
| 03373-03378 ..... | 120  | 20204-20219 ..... | 11   | 23307.....        | 31   |
| 03380-03384 ..... | 121  | 20229.....        | 48   | 23308.....        | 33   |
| 03385-03388 ..... | 120  | 20280-20295 ..... | 9    | 23309-23318 ..... | 31   |
| 03389-03391 ..... | 121  | 20903-20956 ..... | 35   | 23319.....        | 33   |
| 03406-03413 ..... | 118  | 21000-21099 ..... | 13   | 23320.....        | 31   |
| 03414-03422 ..... | 119  | 22000.....        | 37   | 23321.....        | 33   |
| 03426-03431 ..... | 120  | 22007.....        | 17   | 23322-23337 ..... | 31   |
| 03440-03459 ..... | 121  | 22010.....        | 37   | 23360-23365 ..... | 12   |
| 03460-03461 ..... | 120  | 22011.....        | 31   | 23405.....        | 48   |
| 03501-03514 ..... | 119  | 22015.....        | 17   | 23410-23412 ..... | 46   |
| 04110-04390 ..... | 124  | 22020.....        | 37   | 23413.....        | 47   |
| 05751-05768 ..... | 123  | 22021.....        | 31   | 23414.....        | 46   |
| 06373-06378 ..... | 120  | 22025.....        | 38   | 23415.....        | 47   |
| 06380-06384 ..... | 121  | 22030-22042 ..... | 17   | 23420-23422 ..... | 46   |
| 06385-06388 ..... | 120  | 22045.....        | 37   | 23423-23425 ..... | 47   |
| 06389-06391 ..... | 121  | 22046.....        | 17   | 23436.....        | 31   |
| 06401-06404 ..... | 119  | 22047.....        | 31   | 23450.....        | 46   |
| 06407.....        | 118  | 22052.....        | 17   | 23451.....        | 47   |
| 06408.....        | 119  | 22053.....        | 31   | 23452.....        | 46   |
| 06409-06412 ..... | 118  | 22055.....        | 17   | 23453.....        | 47   |
| 06414-06419 ..... | 119  | 22056-22057 ..... | 37   | 23455.....        | 46   |
| 06426-06431 ..... | 120  | 22062.....        | 17   | 23456.....        | 47   |
| 06440-06459 ..... | 121  | 22064.....        | 37   | 23457.....        | 46   |
| 06460-06461 ..... | 120  | 22065.....        | 17   | 23458.....        | 47   |
| 06501-06514 ..... | 119  | 22066-22067 ..... | 37   | 23459.....        | 46   |
| 06551-06559 ..... | 118  | 22068.....        | 33   | 23460-23480 ..... | 47   |
| 06701-06714 ..... | 122  | 22069-22070 ..... | 37   | 23501-23502 ..... | 46   |
| 09551-09560 ..... | 118  | 22071.....        | 31   | 23604-23606 ..... | 31   |
| 09570.....        | 122  | 22072-22073 ..... | 33   | 23804-23827 ..... | 35   |
| 10006-10036 ..... | 90   | 22074-22079 ..... | 37   | 24002-24003 ..... | 49   |
| 16000.....        | 134  | 22082.....        | 33   | 24010.....        | 45   |
| 20002-20013 ..... | 9    | 22084.....        | 37   | 24011.....        | 44   |
| 20014.....        | 11   | 22088.....        | 33   | 24013.....        | 45   |
| 20015.....        | 9    | 22089-22120 ..... | 37   | 24020.....        | 49   |
| 20018.....        | 12   | 22125.....        | 38   | 24030.....        | 45   |
| 20020-20040 ..... | 17   | 22130-22140 ..... | 17   | 24031.....        | 44   |
| 20046-20049 ..... | 11   | 22147.....        | 31   | 24033.....        | 45   |
| 20050-20060 ..... | 9    | 22170.....        | 37   | 24034.....        | 44   |
| 20061-20062 ..... | 12   | 22182-22240 ..... | 33   | 24035.....        | 45   |
| 20063.....        | 9    | 22264-22299 ..... | 17   | 24039.....        | 44   |
| 20064.....        | 11   | 22320-22336 ..... | 36   | 24040.....        | 49   |
| 20065-20070 ..... | 9    | 22345-22370 ..... | 31   | 24050.....        | 45   |
| 20071-20072 ..... | 12   | 22380-22390 ..... | 33   | 24051.....        | 44   |
| 20073.....        | 9    | 22414-22419 ..... | 11   | 24052-24053 ..... | 45   |
| 20074.....        | 11   | 22420-22436 ..... | 36   | 24061-24102 ..... | 49   |
| 20075-20081 ..... | 9    | 22444-22449 ..... | 17   | 24135-24160 ..... | 46   |
| 20082-20083 ..... | 12   | 22470-22490 ..... | 33   | 24210-24230 ..... | 12   |
| 20084.....        | 11   | 22514-22519 ..... | 11   | 24251-24254 ..... | 33   |
| 20085-20086 ..... | 9    | 22544-22549 ..... | 17   | 24310-24330 ..... | 38   |
| 20087-20088 ..... | 12   | 22570-22572 ..... | 33   | 24414.....        | 45   |
| 20089.....        | 11   | 22599-22616 ..... | 9    | 24500.....        | 44   |
| 20090-20091 ..... | 9    | 22620-22636 ..... | 17   | 24999-25009 ..... | 21   |
| 20092.....        | 12   | 22641-22654 ..... | 37   | 25010-25062 ..... | 23   |
| 20094.....        | 11   | 23002-23075 ..... | 41   | 25101-25306 ..... | 21   |
| 20095-20096 ..... | 9    | 23099.....        | 31   | 26000-26063 ..... | 18   |
| 20097.....        | 12   | 23100.....        | 42   | 27010-27414 ..... | 20   |
| 20099-20112 ..... | 11   | 23101.....        | 31   | 27500-27810 ..... | 14   |
| 20120-20140 ..... | 17   | 23102.....        | 42   | 28000-28162 ..... | 22   |
| 20146-20149 ..... | 11   | 23103-23107 ..... | 31   | 29201-29214 ..... | 24   |
| 20150-20160 ..... | 9    | 23140-23171 ..... | 41   | 29310-29322 ..... | 25   |
| 20161-20162 ..... | 12   | 23172-23184 ..... | 33   | 34110-34175 ..... | 85   |
| 20163.....        | 9    | 23200-23211 ..... | 39   | 34210-34627 ..... | 86   |
| 20164.....        | 11   | 23234-23235 ..... | 42   | 34990-35241 ..... | 87   |
| 20165-20170 ..... | 9    | 23250-23253 ..... | 39   | 35300-35317 ..... | 85   |

| Product No. ....  | Page |
|-------------------|------|
| 35319-35364 ..... | 86   |
| 35400-35417 ..... | 85   |
| 35420-35448 ..... | 86   |
| 36300-36317 ..... | 85   |
| 36319-36364 ..... | 86   |
| 36400-36417 ..... | 85   |
| 36420-36438 ..... | 86   |
| 36500-36528 ..... | 85   |
| 36540-36568 ..... | 86   |
| 36600-36628 ..... | 85   |
| 36640-36658 ..... | 86   |
| 36800-36909 ..... | 85   |
| 37081-37239 ..... | 87   |
| 37501 .....       | 86   |
| 37505-37511 ..... | 85   |
| 37515-37601 ..... | 86   |
| 37605-37611 ..... | 85   |
| 37615-37651 ..... | 86   |
| 37800-37908 ..... | 85   |
| 38001-38134 ..... | 100  |
| 38300-38346 ..... | 101  |
| 41000 .....       | 136  |
| 41012-41013 ..... | 115  |
| 41020-41026 ..... | 136  |
| 41055-41057 ..... | 115  |
| 41201-41202 ..... | 136  |
| 42001-42054 ..... | 102  |
| 45000-45693 ..... | 127  |
| 48006-48063 ..... | 103  |
| 48501-48744 ..... | 54   |
| 48798 .....       | 48   |
| 48798-48806 ..... | 55   |
| 49002-49026 ..... | 19   |
| 50000-50097 ..... | 74   |
| 50100-50110 ..... | 77   |
| 50120-50165 ..... | 74   |
| 50166-50182 ..... | 75   |
| 50208-50284 ..... | 89   |
| 50290-50297 ..... | 74   |
| 50300-50311 ..... | 25   |
| 50320-50334 ..... | 89   |
| 50338-50359 ..... | 76   |
| 50360-50368 ..... | 24   |
| 50370-50373 ..... | 76   |
| 50383-50387 ..... | 74   |
| 50510-50533 ..... | 76   |
| 50560-50566 ..... | 24   |
| 50920-50965 ..... | 89   |
| 50999-51019 ..... | 76   |
| 51022-51120 ..... | 74   |
| 51342-51375 ..... | 76   |
| 52100-52125 ..... | 74   |
| 52208-52334 ..... | 89   |
| 52400-53120 ..... | 74   |
| 54016-54220 ..... | 77   |
| 55215-55282 ..... | 89   |
| 55342-55367 ..... | 81   |
| 55420-55464 ..... | 89   |
| 56024-56120 ..... | 74   |
| 56217-56282 ..... | 89   |
| 56313-56353 ..... | 76   |
| 56361-56476 ..... | 77   |
| 56500-56537 ..... | 15   |
| 57016-57090 ..... | 74   |
| 57100-57113 ..... | 80   |
| 57120-57213 ..... | 74   |
| 57224-57480 ..... | 76   |
| 57500-57513 ..... | 80   |
| 57524-57780 ..... | 76   |
| 57900-57913 ..... | 80   |
| 58016-58120 ..... | 74   |
| 58132-58156 ..... | 82   |
| 58160-58199 ..... | 81   |
| 58207-58328 ..... | 77   |

| Product No. ....  | Page    |
|-------------------|---------|
| 59113-59155 ..... | 76      |
| 59224-60011 ..... | 75      |
| 60016-60064 ..... | 80      |
| 60071-60075 ..... | 75      |
| 60086-60582 ..... | 80      |
| 60623-60688 ..... | 81      |
| 60772-61151 ..... | 80      |
| 61201-61310 ..... | 83      |
| 63230-63386 ..... | 81      |
| 64016-65112 ..... | 82      |
| 66104-66196 ..... | 80      |
| 66406-66505 ..... | 82      |
| 67374-67421 ..... | 80      |
| 69224-69680 ..... | 75      |
| 70001-70113 ..... | 70      |
| 70800-70984 ..... | 67      |
| 71000-71181 ..... | 70      |
| 71205-71281 ..... | 63      |
| 71285-71403 ..... | 65      |
| 71710-71824 ..... | 110     |
| 71980-71994 ..... | 69, 112 |
| 72000-72145 ..... | 71      |
| 72200-72259 ..... | 65      |
| 72261-72264 ..... | 63      |
| 72300-72353 ..... | 65      |
| 72361-72940 ..... | 63      |
| 73401-73404 ..... | 68      |
| 73520 .....       | 115     |
| 74050-74072 ..... | 70      |
| 74820-74835 ..... | 68      |
| 76206-76361 ..... | 63      |
| 77115-77146 ..... | 108     |
| 77162-77185 ..... | 109     |
| 77200-77215 ..... | 108     |
| 77230-77255 ..... | 113     |
| 77260-77265 ..... | 108     |
| 77270-77280 ..... | 113     |
| 77300-77321 ..... | 108     |
| 77325-77332 ..... | 110     |
| 77335-77355 ..... | 113     |
| 77360-77365 ..... | 108     |
| 77382-77395 ..... | 109     |
| 77440-77496 ..... | 106     |
| 77500-77582 ..... | 107     |
| 77648-77662 ..... | 108     |
| 77672-77685 ..... | 109     |
| 77700-77716 ..... | 111     |
| 77720-77728 ..... | 69, 112 |
| 77730-77756 ..... | 111     |
| 77760-77767 ..... | 69, 112 |
| 77780-77807 ..... | 111     |
| 77810-77825 ..... | 115     |
| 77830-77900 ..... | 114     |
| 77915 .....       | 52      |
| 77917 .....       | 53      |
| 77920-77921 ..... | 52      |
| 77922 .....       | 53      |
| 77930-77931 ..... | 52      |
| 77932-77933 ..... | 53      |
| 77936 .....       | 52      |
| 77937-77938 ..... | 53      |
| 77940 .....       | 52      |
| 77942 .....       | 53      |
| 77947-77953 ..... | 52      |
| 77955 .....       | 53      |
| 77962-77965 ..... | 52      |
| 77966 .....       | 53      |
| 77972-77975 ..... | 52      |
| 77976-77977 ..... | 53      |
| 78005-79211 ..... | 63      |
| 80000 .....       | 96      |
| 80405-80606 ..... | 95      |
| 80607 .....       | 96      |
| 80615-80806 ..... | 95      |

| Product No. ....  | Page |
|-------------------|------|
| 80807 .....       | 96   |
| 80815-81030 ..... | 95   |
| 81101-81108 ..... | 96   |
| 81205-81206 ..... | 95   |
| 81207 .....       | 96   |
| 81215-81806 ..... | 95   |
| 81807 .....       | 96   |
| 81815-83430 ..... | 95   |
| 84050-84086 ..... | 93   |
| 84089-84097 ..... | 96   |
| 84101-84108 ..... | 90   |
| 84171-84174 ..... | 94   |
| 84200-84216 ..... | 90   |
| 84230-84239 ..... | 91   |
| 84249-84277 ..... | 90   |
| 84283-84291 ..... | 91   |
| 84308-84315 ..... | 93   |
| 84422-84431 ..... | 91   |
| 84907-84918 ..... | 92   |
| 85000-85013 ..... | 97   |
| 85100-85237 ..... | 98   |
| 85285-85289 ..... | 97   |
| 85300-85307 ..... | 99   |
| 86355-86481 ..... | 94   |
| 88002-88003 ..... | 99   |
| 88006-88812 ..... | 98   |
| 95000 .....       | 130  |
| 95002 .....       | 114  |
| 95002-95008 ..... | 130  |
| 95009 .....       | 134  |
| 95010-95022 ..... | 131  |
| 95030-95037 ..... | 130  |
| 95040-95043 ..... | 131  |
| 95046-95047 ..... | 133  |
| 95050 .....       | 134  |
| 95055 .....       | 130  |
| 95056-95068 ..... | 133  |
| 95080 .....       | 136  |
| 95081-95082 ..... | 133  |
| 95083 .....       | 134  |
| 95084-95092 ..... | 133  |
| 95095-95097 ..... | 135  |
| 95100 .....       | 23   |
| 95101-95108 ..... | 135  |
| 95110-95119 ..... | 131  |
| 95121-95140 ..... | 135  |
| 95153-95163 ..... | 136  |
| 95166-95173 ..... | 132  |
| 95175-95187 ..... | 133  |
| 95203-95206 ..... | 118  |
| 95245-95247 ..... | 130  |
| 95250 .....       | 133  |
| 95255-95257 ..... | 136  |
| 95260 .....       | 133  |
| 95267-95394 ..... | 132  |





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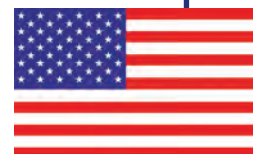
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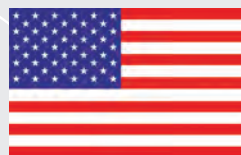
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