



2019-2020 CATALOG



AMERICAN MADE  INDUSTRIAL GRADE

CATALOG INDEX



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DIFFERENCE LONGER LASTING

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.

SAFER 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 heavy duty fiberglass reinforcement to ensure that our abrasives last longer and perform better.

MADE IN THE U.S.A. At our manufacturing facilities in Connecticut and Florida, we employ state-of-the-art equipment and rigorous quality control testing.

SAME DAY SHIPPING With United Abrasives, every order is a rush order. Our streamlined fulfillment operation means products go from phone order to delivery truck in minutes.



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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 almost 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.



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.



UPDATED LABEL



GRINDING WHEELS INDEX

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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.)

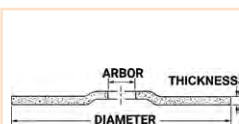
STAINLESS Stainless steel, high tensile alloys



| DIA | THICK | ARBOR | MAX RPM | QTY | A24N Fast Grind | A24R Long Life | A24T Tough Grind | SAIT 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

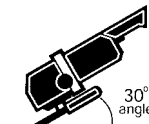
- The "softer" a grinding wheel is (A24N) the faster it will remove metal.
- Highest quality grain assures consistent stock removal for tough applications.
- All wheels are internally reinforced with the highest quality fiberglass for maximum safety.
- Our unique Super-Lock™ Hub combines both a mechanical 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

**** NEW ****



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

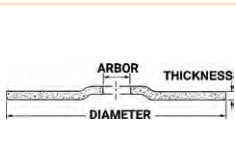
METAL Ferrous metals (iron, steel, welds, etc.)



| DIA | THICK | 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

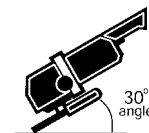
- Designed to provide very long life for fewer wheel changes and less downtime.
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance.
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free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



Type 27



5/8-11
Super-Lock™ Hub



Angle Grinder

TYPE 27 1/4" WHEELS



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 | THICK | ARBOR | MAX RPM | QTY | PART # |
|--------|-------|-------|---------|-----|--------|
| 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 | THICK | ARBOR | MAX RPM | QTY | PART # |
|--------|-------|--------|---------|-----|--------|
| 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 |
| 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**

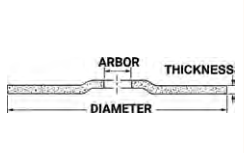
CONCRETE Masonry, concrete, stone
METAL Cast iron and other ferrous metals, carbide



| DIA | THICK | ARBOR | MAX RPM | QTY | PART # |
|--------|-------|--------|---------|-----|--------|
| 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

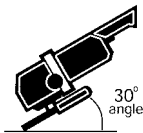
- Designed to provide very long life for fewer wheel changes and less downtime.
- Highest quality grain assures consistent high stock removal.
- All sizes are made with uniform grain throughout.
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance.
- Our unique 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

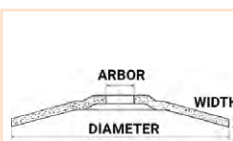
STAINLESS Stainless steel

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

| DIA | THICK | ARBOR | MAX RPM | QTY | A24N Fast Grind | A24R Long Life | SAITECH ULTIMATE 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

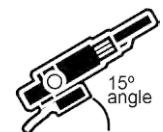
- Saitech™, manufactured with premium ceramic abrasive grain, is designed to outlast standard aluminum oxide wheels.
- Additional fiberglass reinforcement for maximum safety.
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry.



Type 28



5/8-11
Super-Lock™ Hub



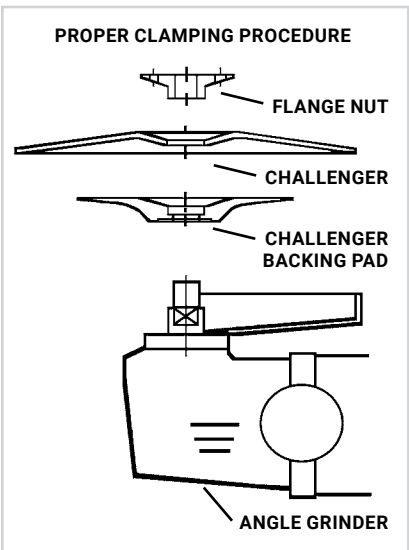
Angle Grinder

TYPE 29 FLEXIBLE GRINDING/BLENDING WHEELS

CHALLENGER II™ TYPE 29

- 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



HIGH PERFORMANCE CHALLENGER 3™ TYPE 29

- Semi-flexible
- Grind and blend welds in one step
- Open pattern on wheel for cool grinding and blending
- Contaminant-free – safe for use in the nuclear industry
- Requires no backing pad

- STAINLESS** Stainless steel
- METAL** Steel, iron, bronze
- ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)



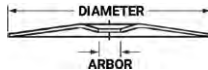
| DIA | THICK | ARBOR | GRIT | MAX RPM | CHALLENGER II™ (QTY 25) | CHALLENGER 3™ (QTY 10) |
|--------|-------|-------|------|---------|-------------------------|------------------------|
| 4-1/2" | 1/8" | 7/8" | 36 | 13,280 | 27500 | 27610 |
| 4-1/2" | 1/8" | 7/8" | 60 | 13,280 | 27501 | 27611 |
| 4-1/2" | 1/8" | 7/8" | 100 | 13,280 | 27502 | – |
| 5" | 1/8" | 7/8" | 36 | 12,200 | 27506 | 27615 |
| 5" | 1/8" | 7/8" | 60 | 12,200 | 27507 | 27616 |
| 5" | 1/8" | 7/8" | 100 | 12,200 | 27508 | – |
| 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 | – |
| 7" | 1/8" | 7/8" | 100 | 8,600 | 27513 | – |

TECH INFO

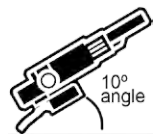
- Type 29 shape allows easy control in grinding and blending applications
- Honeycomb, dimpled pattern on face allows for greater cooling and longer life
- Grind and blend welds in one-step, no need for multiple steps and products
- Available in many grits for all your grinding and blending needs
- Ideal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

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

Challenger II™ Packaging



Type 29



Angle Grinder





PIPELINE WHEELS

AMERICAN MADE  INDUSTRIAL GRADE

KEY FEATURES

- All of our American-made 1/8" pipeline wheels are reinforced with the highest quality fiberglass for maximum safety and performance, and all are designed for both cutting and light grinding – eliminating the need for two separate wheels
- This section contains four 1/8" thick specifications
- Designed and manufactured to perform both cutting and light grinding
- **Ideal for root pass grinding**
- Pipeline wire brushes also available on page 121

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

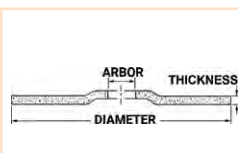


| DIA | THICK | ARBOR | MAX RPM | QTY | A24R PIPELINE | SAIT Z-TECH™ | SAITECH™ PIPELINE | ULTIMATE PIPELINE™ |
|--------|-------|--------|---------|-----|---------------|--------------|-------------------|--------------------|
| 4" | 1/8" | 3/8" | 13,500 | 25 | 22007 | – | – | – |
| 4" | 1/8" | 5/8"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

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
- Saitech™, manufactured with premium ceramic abrasive grain, is designed to outlast standard aluminum oxide wheels
- 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

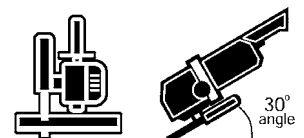
Reusable 5/8-11 adapter for use on Type 1 and Type 27 reinforced wheels with a 7/8 arbor, a maximum diameter of 5" and a wheel thickness of .045" to 1/8" available in accessories on Page 130. (Part #95055)



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



Z19 – 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



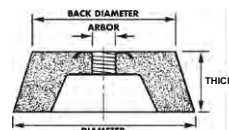


AVAILABLE WITH AN OPTIONAL METAL BACKING

| DIA | BACK DIA | THICK | 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

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.)

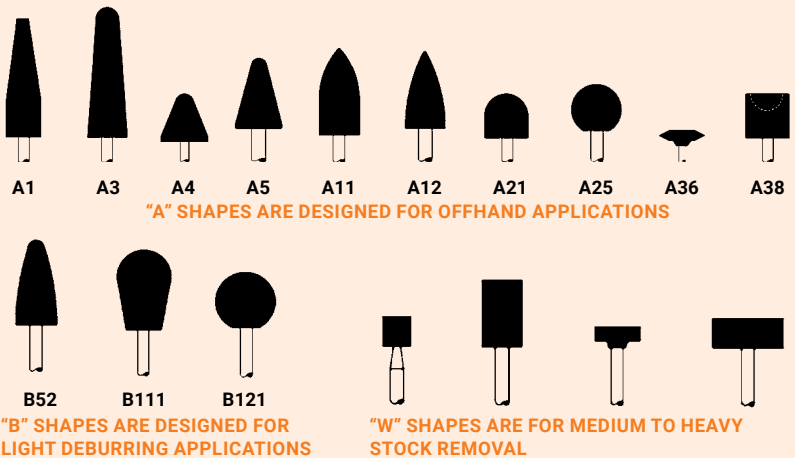


A60R - VITRIFIED

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

METAL Ferrous metals

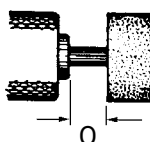
SILHOUETTES DO NOT REPRESENT ACTUAL DIMENSIONS



| 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" | 3/8-24 | A16 | 18,144 | 10 | 25005 | 25105 | 25205 | 25305 |
| 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 | THICK | 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 | – |
| 14" | 2" | 1-1/2" | 1,800 | 28070 | 28073 | 28071 | 28072 | – |

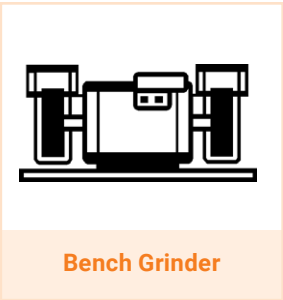


GREEN SILICON CARBIDE

- 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 | THICK | 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 |
| 14" | 2" | 1-1/2" | 1,800 | 28170 | 28171 | – |



| 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 |
| 14" | 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

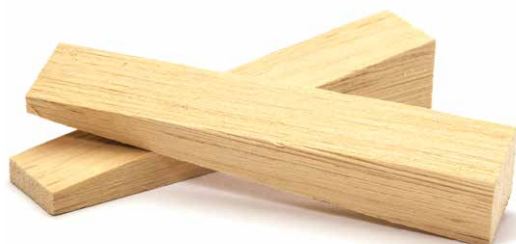
- PLAIN** For cleaning castings and dressing bench grinding wheels
- FLUTED** For extra shearing action
- HANDLE** For extra comfort and working overhead
- SCORED** Breaks into two 4 x 2 x 2 floor rubs
- CONCRETE** Masonry, concrete, stone

| TYPE | DESCRIPTION | LENGTH | THICK | HEIGHT | GRADE | QTY | PART # |
|-------|-------------|--------|--------|--------|-------|-----|--------|
| 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 |



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



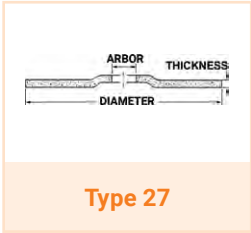
WOOD WEDGES

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

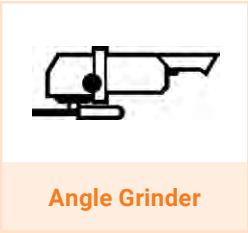
PART #

95100

COTTON FIBER



Type 27



Angle Grinder

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 | THICK | 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

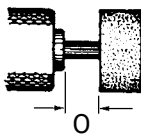
STAINLESS Blending on stainless steel, high tensile alloys
ALUMINUM Non-ferrous metals
METAL Ferrous metals



| 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 |



Die Grinder



"O" = 1/2"

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

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



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

| 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 |

| 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 | THICK | 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 |

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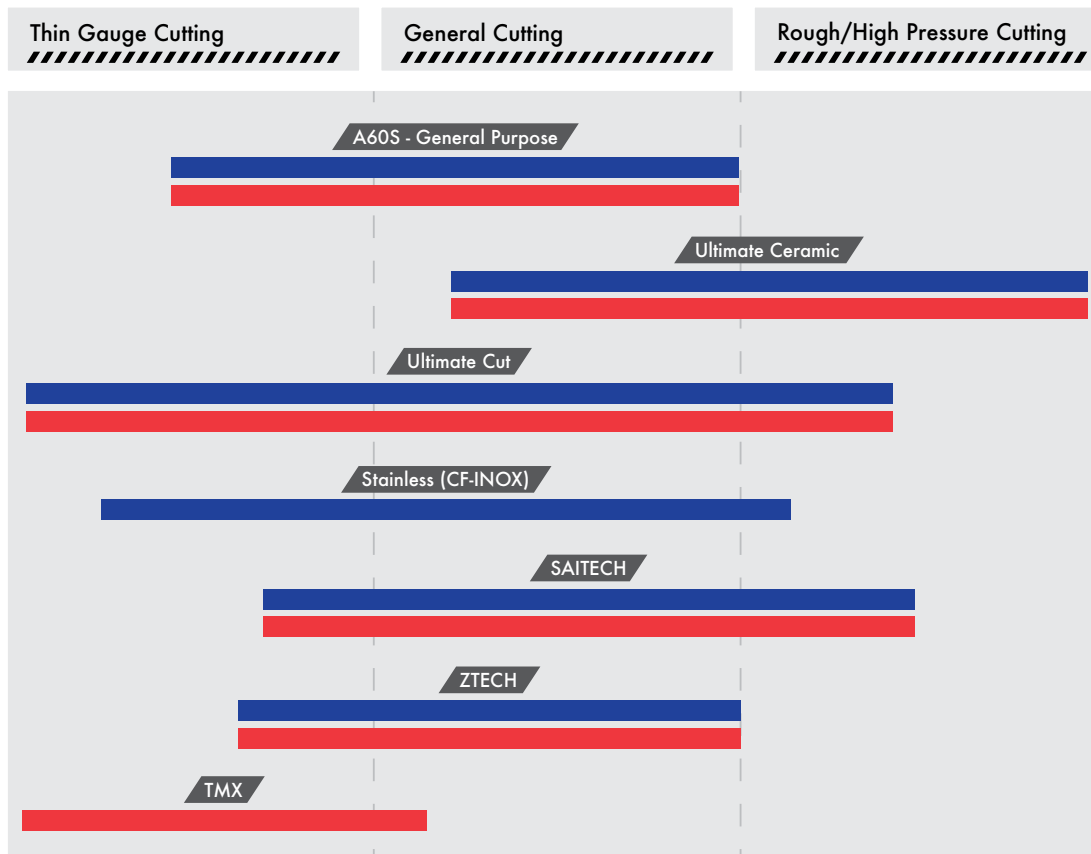
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CUTTING WHEELS

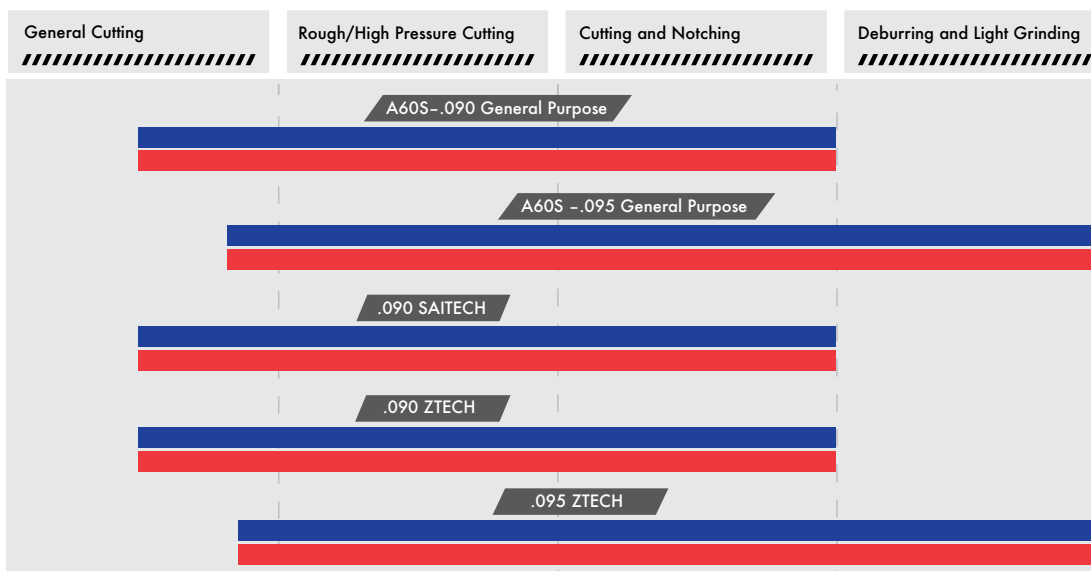


HOW TO PICK A CUTTING WHEEL

.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 | THICK | 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



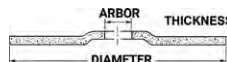
Circular Saw

TYPE 27 / TYPE 42

| DIA | THICK | 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 |
| 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 FREE

XA46R

- Specially formulated for nuclear and food processing plants
- Specially formulated for contaminant-free stock removal 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 | THICK | 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
- Saitech™, manufactured with premium ceramic grain, is designed to outlast standard aluminum oxide wheels
- 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



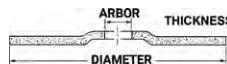
Circular Saw

TYPE 27 / TYPE 42

| DIA | THICK | 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 |
| 7" | .045" | 7/8" | 8,500 | 50 | 22088 | – | – |

TECH INFO

- Saitech™, manufactured with premium ceramic grain, is designed to outlast standard aluminum oxide wheels
- 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 | THICK | 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



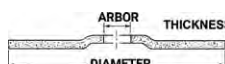
Circular Saw

TYPE 27 / TYPE 42

| DIA | THICK | 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

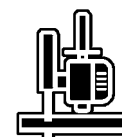
- Unique, thin Type 27 / Type 42 shape can be used on all angle grinders in accordance with ANSI B7.1
- Special bond formulation offers the fastest cutting, longest lasting thin wheels
- Externally reinforced with fiberglass layers to provide ultimate safety in a thin wheel
- Saitech™, manufactured with premium ceramic grain, is designed to outlast standard aluminum oxide wheels



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.)

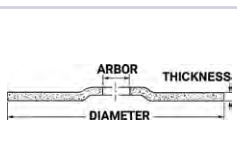
STAINLESS

Stainless steel, high tensile alloys

| DIA | THICK | 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

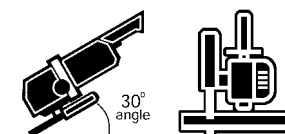
- Increases productivity: 1 wheel to cut, notch, debur, and light grind
- Two formulas for a wide variety of applications and maintenance work
- Additional reinforcement for added strength and versatility
- Ideal product for use on cordless right angle grinders



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)

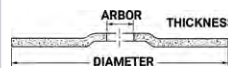
STAINLESS Stainless steel, high tensile alloys

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

| DIA | THICK | 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
- Saittech™, manufactured with premium ceramic grain, is designed to outlast standard aluminum oxide wheels
- 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

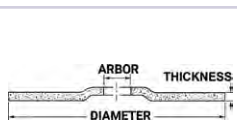
CONCRETE Masonry, concrete, stone

METAL Cast iron and other ferrous metals

| DIA | THICK | ARBOR | MAX RPM | QTY | PART # |
|--------|-------|----------|---------|-----|--------|
| 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-FREE

XA24Q

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

STAINLESS Stainless steel and other high tensile alloys

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

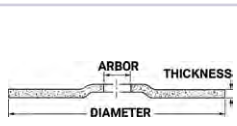


contaminant  free

| DIA | THICK | ARBOR | MAX RPM | QTY | PART # |
|--------|-------|-------|---------|-----|--------|
| 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



5/8-11 Hub



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 | THICK | ARBOR | MAX RPM | QTY | PART # |
|-----|-------|--------|---------|-----|--------|
| 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 | THICK | ARBOR | MAX RPM | QTY | PART # |
|-----|-------|--------|---------|-----|--------|
| 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

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

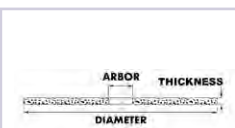
METAL Ferrous and/or non-ferrous metals

| DIA | THICK | ARBOR | MAX RPM | QTY | A24R General Purpose | A36T Fast Cutting | A60T Burr Free | SAITECH ULTIMATE 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
- Saitech™, manufactured with premium ceramic grain, is designed to outlast standard aluminum oxide wheels
- 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 | THICK | 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

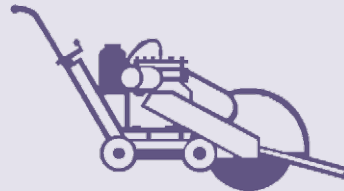
CUTTING WHEELS



**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™

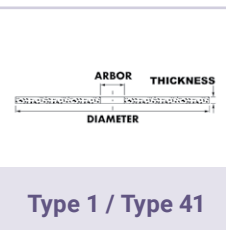
- Aluminum oxide grain
- Fast cutting
- Excellent for use on angle iron, channel iron, heavy rebar, and other ferrous metals

METAL Structural metal applications

| DIA | THICK | 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





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 | THICK | 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
- Saitech™ is manufactured using premium ceramic grain to outlast standard aluminum oxide wheels



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.)

9" PORTABLE SAW BLADES

**** NEW ****

For use on 9" cordless electric portable saws. Available in two formulations for a wide variety of applications.

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™

- 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

| DIA | THICK | ARBOR | MAX RPM | QTY | A24R | SAIT PRO METAL | BRUTE™ | A60S | ULTIMATE CERAMIC™ |
|-----|-------|-------|---------|-----|-------|----------------|--------|-------|-------------------|
| 9" | 5/64" | 7/8" | 6,600 | 10 | – | – | – | 23405 | 20229 |
| 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 | THICK | 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 |



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 | THICK | 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 | THICK | 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
- 9" portable saw blades are ideal for battery powered saws



Type 1 / Type 41



Portable Saw

STREET SAW WHEELS



GENERAL PURPOSE

C16

- Silicon carbide grain
- Fast, free cutting

CONCRETE Green concrete, asphalt

| DIA | THICK | ARBOR | MAX RPM | QTY | PART # |
|-----|-------|-------|---------|-----|--------|
| 14" | 3/16" | 1" | 4,400 | 5 | 24061 |



FAST CUTTING

STREET RUNNER™

- Silicon carbide grain
- Hot pressed wheel
- Extremely dense wheel with coarse grain
- Combines fast cutting with extra-long life

CONCRETE Green concrete, asphalt

| DIA | THICK | ARBOR | MAX RPM | QTY | PART # |
|-----|-------|-------|---------|-----|--------|
| 18" | 1/4" | 1" | 3,000 | 5 | 24145 |



LONG LIFE

STREET WALKER™

- Silicon carbide grain
- Hot pressed wheel
- Combines fast cutting with long life
- An excellent economical alternative to cutting with diamond blades

CONCRETE Concrete, green concrete, asphalt

| DIA | THICK | ARBOR | MAX RPM | QTY | PART # |
|-----|-------|-------|---------|-----|--------|
| 14" | 3/16" | 1" | 4,365 | 10 | 24120 |
| 14" | 1/4" | 1" | 4,365 | 10 | 24121 |

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



GENERAL PURPOSE

A24R

- Aluminum oxide grain
- General purpose, long life

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



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



CONCRETE

C24R

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

CONCRETE Masonry, concrete, stone, brick

| DIA | THICK | 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 | 24083 |
| 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



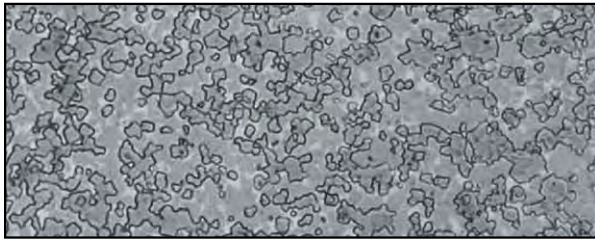
Type 1 / Type 41



Stationary Saw

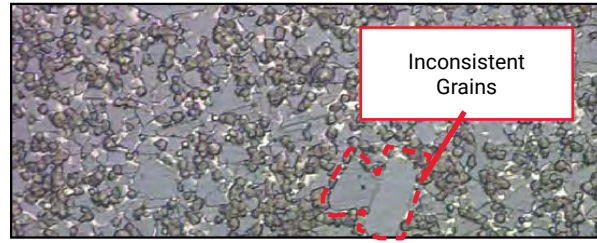
TECHNICAL INFORMATION

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

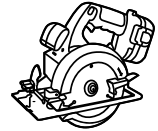


STEEL WORKER®

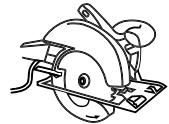
- Fast, burr free cutting on heavier gauge metals
- Cool cutting action with long life

METAL

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



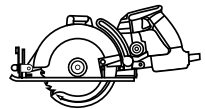
Cordless Circular Saw



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

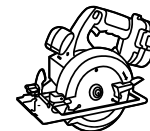
- Designed for use on professional metal-cutting saws
- Premium micro grain carbide; Smaller grains mean more carbide per tooth – stays sharp and provides longer life over competitive blades
- Cuts cool and fast
- Metal blades cut cleanly with minimal sparks
- Reduced fire hazards and less dust



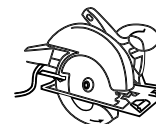
STAINLESS

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

STAINLESS Tubing, bars, pipe, and stainless steel plates



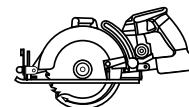
Cordless Circular Saw



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



LONG LIFE



COOL CUTTING



FAST, BURR-FREE CUTTING

| DIA | TEETH | ARBOR | GRIND | MAX 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 RPM | QTY | MACHINES | PART # |
|----------------|-------|-------------------------------|-------|---------|-----|---|--------|
| 5-3/8" (137mm) | 50T | 20mm (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 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 |

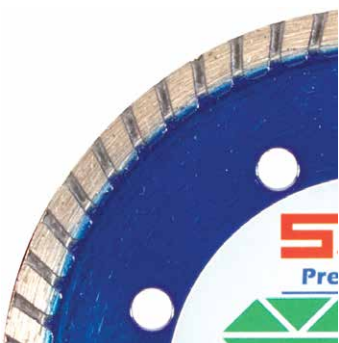
DIAMOND BLADES



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

CE PREMIUM

General purpose cutting

CC PREMIUM +

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

LU PREMIUM

General purpose dry cutting

LV PREMIUM +

Longer lasting and faster dry cutting premium wheel

LARGE DIAMETER DIAMOND BLADES – SEGMENTED ** NEW **

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

GENERAL PURPOSE CONCRETE

- Designed for cutting concrete with rebar and other concrete applications
- Features 12mm 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 | THICK | 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 |

LARGE DIAMETER DIAMOND BLADES

| DIA | THICK | ARBOR | MAX RPM | QTY | GENERAL PURPOSE CONCRETE | ALL PURPOSE CONCRETE / ASPHALT |
|-----|-------|-----------|---------|-----|--------------------------|--------------------------------|
| 12" | .125" | 1" (20mm) | 6,300 | 1 | 48800 | 48801 |
| 14" | .125" | 1" (20mm) | 5,460 | 1 | 48805 | 48806 |



Angle Grinder



Circular Saw



Street Saw
(less than 15HP)



Portable Saw

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
- 1" (20mm) arbor for use on portable gas saws and street saws up to 15HP



Type 1

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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 mounting bracket on top. In the foreground, there are two large red circular discs with central holes, and a blue circular disc. A roll of blue abrasive material is also visible, partially unrolled to show its layered structure. The background is dark, and the overall scene is set against a brown banner with the text 'COATED ABRASIVES'.

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

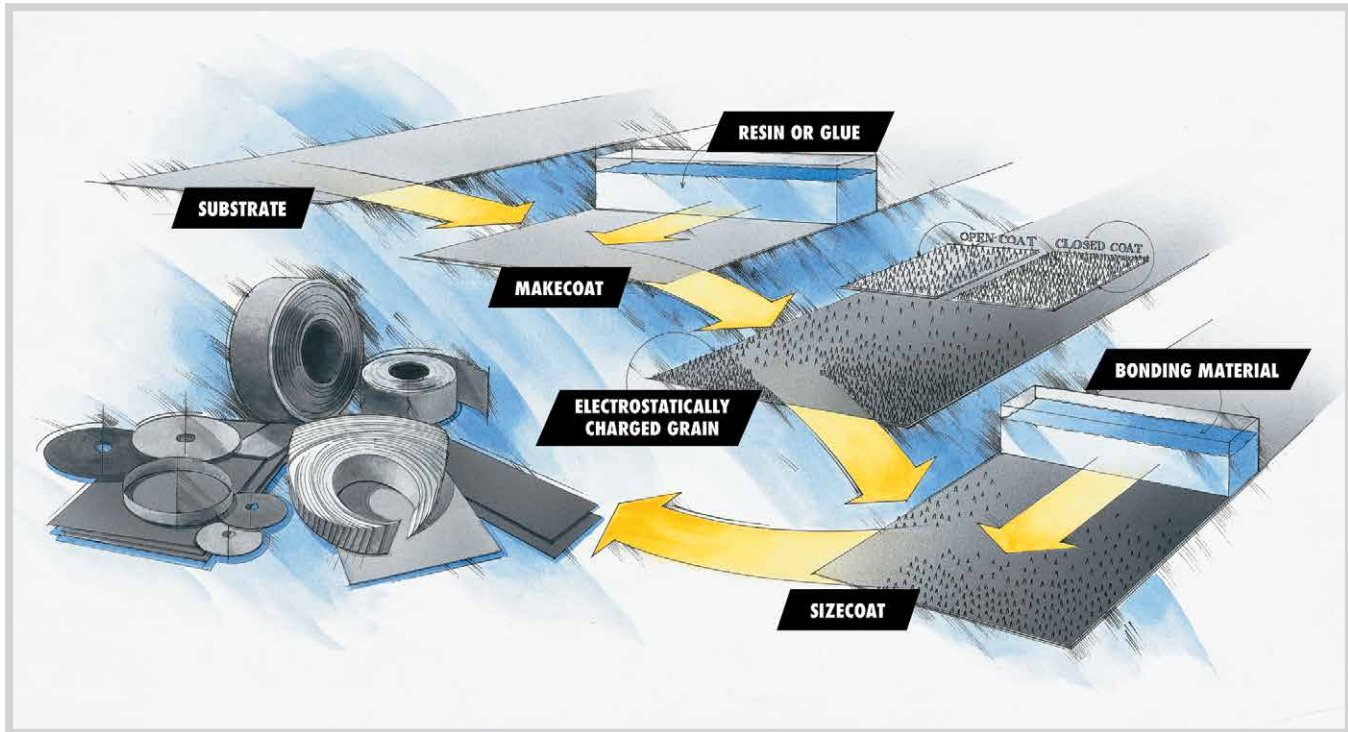
Fiber backing is a tough vulcanized material made from rag stock. This backing is generally used for abrasive fiber discs.

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 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

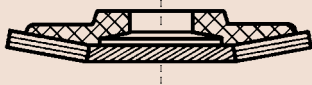


REGULAR DENSITY



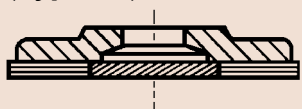
BACKING SHAPE

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 UNITED ABRASIVES 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 - 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

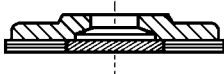
STAINLESS Stainless steel, high tensile steel, titanium
METAL Ferrous metals
ALUMINUM Non-ferrous metals (aluminum, copper, brass, etc.)



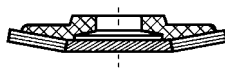
OVATION® CERAMIC PLUS

- 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



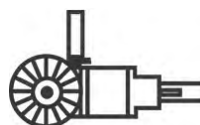
Type 27 (Flat)



Type 29 (Conical)



5/8-11
Super-Lock™ Hub



Angle Grinder



Contaminant Free
Fe + S + Cl < 0.1%



| DIA | ARBOR | GRIT | MAX RPM | REGULAR DENSITY | | | | HIGH DENSITY | | |
|--------|--------|------|---------|--------------------|---------|---------------------|---------|--------------|-----------------------|----------------------|
| | | | | ENCORE PLUS | | ENCORE CERAMIC PLUS | | Ovation PLUS | Ovation ATTACKER PLUS | Ovation CERAMIC PLUS |
| | | | | TYPE 27 **NEW** | TYPE 29 | TYPE 27 **NEW** | 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 | - | - |
| 5" | 5/8-11 | 36 | 12,200 | - | 72344 | - | 72356 | 72307 | 72320 | 72332 |
| 5" | 5/8-11 | 40 | 12,200 | - | 72345 | - | 72357 | 72308 | 72321 | 72333 |
| 5" | 5/8-11 | 60 | 12,200 | - | 72346 | - | 72358 | 72309 | 72322 | 72334 |
| 5" | 5/8-11 | 80 | 12,200 | - | 72347 | - | 72359 | 72310 | 72323 | 72335 |
| 5" | 5/8-11 | 120 | 12,200 | - | - | - | - | 72311 | - | - |

QUANTITY: Packaged 10 per box

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

HIGH DENSITY



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



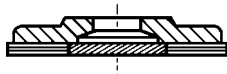
OVATION® STAINLESS **NEW**

- 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

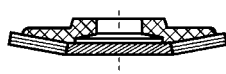
STAINLESS Stainless steel, high tensile steel, titanium
ALUMINUM Non-ferrous metals (aluminum, copper, brass, etc.)

| 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 **NEW** | TYPE 29 | TYPE 27 | TYPE 27 | TYPE 27 | TYPE 27 **NEW** |
| 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 | - | - | - |
| 6" | 7/8" | 40 | 10,200 | - | 71246 | - | - | 78036 | 76236 | - | - |
| 6" | 7/8" | 60 | 10,200 | - | 71248 | - | - | 78038 | 76238 | - | - |
| 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 | - | - | - |
| 6" | 5/8-11 | 40 | 10,200 | - | 71256 | - | - | 78136 | 76346 | - | - |
| 6" | 5/8-11 | 60 | 10,200 | - | 71258 | - | - | 78138 | 76348 | - | - |
| 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



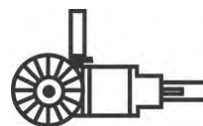
Type 27 (Flat)



Type 29 (Conical)



5/8-11 Hub



Angle Grinder



Contaminant Free
Fe + S + Cl < 0.1%

FLAP DISCS - 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.)

COATED ABRASIVES

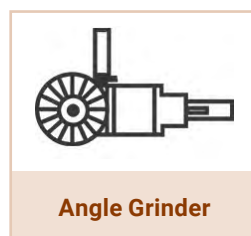
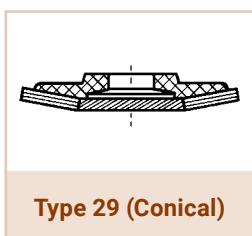
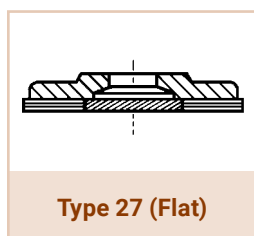
REGULAR DENSITY

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



| DIA | ARBOR | GRIT | MAX RPM | QTY | TRIMBACK™ | | TRIMBACK™ CERAMIC | | TRIMBACK™ STAINLESS | |
|--------|--------|------|---------|-----|-----------|---------|--------------------|---------|---------------------|--------------------|
| | | | | | TYPE 27 | TYPE 29 | TYPE 27 **NEW** | TYPE 29 | TYPE 27 **NEW** | TYPE 29 **NEW** |
| 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 | - | - |
| 5" | 7/8" | 120 | 12,200 | 10 | - | - | - | - | - | - |
| 5" | 5/8-11 | 36 | 12,200 | 10 | 70967 | 70917 | - | 70927 | - | - |
| 5" | 5/8-11 | 40 | 12,200 | 10 | 70968 | 70918 | - | 70928 | - | - |
| 5" | 5/8-11 | 60 | 12,200 | 10 | 70969 | 70919 | - | 70929 | - | - |
| 5" | 5/8-11 | 80 | 12,200 | 10 | 70970 | 70920 | - | 70930 | - | - |



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

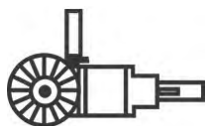
STAINLESS Stainless steel, high tensile steel

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 | PART # |
|-----|-------|------|---------|-----|--------|
| 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

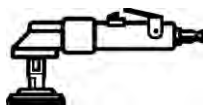
METAL Ferrous and/or non-ferrous metals

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 | PART # |
|-----|------|---------|-----|--------|
| 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



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

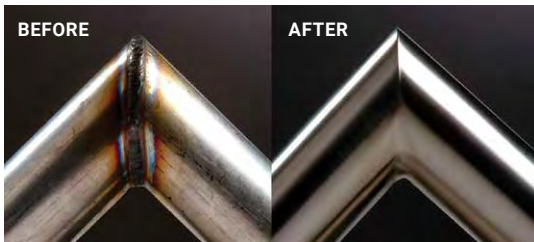
METAL STAINLESS ALUMINUM

| DIA | ARBOR | GRADE | GRIT | COATED MATERIAL | PART # |
|--------|-------|-----------|------|-----------------|--------|
| 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 |

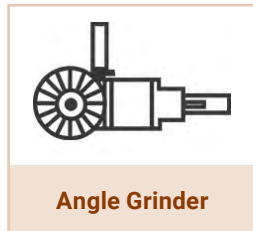
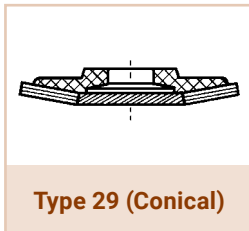
QUANTITY: Packaged 10 per box

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 |



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

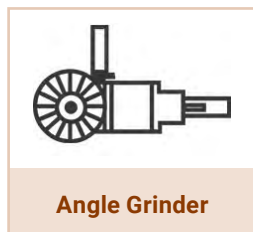
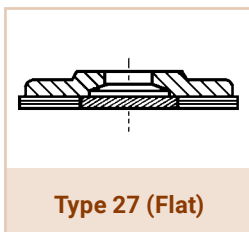
ALUMINUM

Non-ferrous metals

| DIA | ARBOR | GRADE | COLOR | PART # |
|--------|-------|-----------|--------|--------|
| 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

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



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

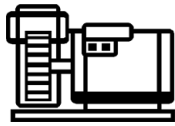
TECH INFO

- 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 | THICK | GRIT | QTY | 2A | | 3A | |
|--------|-------|------|-----|-------|-----------------|-------|-----------------|
| | | | | 1/4" | 1/4-20 Threaded | 1/4" | 1/4-20 Threaded |
| 1" | 3/4" | 60 | 10 | 70001 | 71000 | - | - |
| 1" | 3/4" | 80 | 10 | 70002 | 71001 | - | - |
| 1" | 3/4" | 120 | 10 | 70003 | 71002 | - | - |
| 1" | 3/4" | 180 | 10 | 70004 | 71003 | - | - |
| 1" | 3/4" | 240 | 10 | 70005 | 71004 | - | - |
| 1" | 1" | 60 | 10 | 70010 | 71010 | - | - |
| 1" | 1" | 80 | 10 | 70011 | 71011 | - | - |
| 1" | 1" | 120 | 10 | 70012 | 71012 | - | - |
| 1" | 1" | 180 | 10 | 70013 | 71013 | - | - |
| 1" | 1" | 240 | 10 | 70014 | 71014 | - | - |
| 1-1/2" | 1/2" | 40 | 10 | 70024 | - | - | - |
| 1-1/2" | 1/2" | 60 | 10 | 70025 | 71020 | - | - |
| 1-1/2" | 1/2" | 80 | 10 | 70026 | 71021 | - | - |
| 1-1/2" | 1/2" | 120 | 10 | 70027 | 71022 | - | - |
| 1-1/2" | 1/2" | 180 | 10 | 70028 | 71023 | - | - |
| 1-1/2" | 1/2" | 240 | 10 | 70029 | 71024 | - | - |
| 1-1/2" | 1" | 60 | 10 | 70040 | 71030 | - | - |
| 1-1/2" | 1" | 80 | 10 | 70041 | 71031 | - | - |
| 1-1/2" | 1" | 120 | 10 | 70042 | 71032 | - | - |
| 1-1/2" | 1" | 180 | 10 | 70043 | 71033 | - | - |
| 1-1/2" | 1" | 240 | 10 | 70044 | 71034 | - | - |
| 2" | 1" | 40 | 10 | 70049 | - | - | - |
| 2" | 1" | 60 | 10 | 70050 | 71040 | 74050 | 71160 |
| 2" | 1" | 80 | 10 | 70051 | 71041 | 74051 | 71161 |
| 2" | 1" | 120 | 10 | 70052 | 71042 | 74052 | 71162 |
| 2" | 1" | 180 | 10 | 70053 | 71043 | - | - |
| 2" | 1" | 240 | 10 | 70054 | 71044 | - | - |
| 2-1/2" | 1/2" | 60 | 10 | 70060 | 71050 | - | - |
| 2-1/2" | 1/2" | 80 | 10 | 70061 | 71051 | - | - |

| DIA | THICK | GRIT | QTY | 2A | | 3A | |
|--------|-------|------|-----|-------|-----------------|-------|-----------------|
| | | | | 1/4" | 1/4-20 Threaded | 1/4" | 1/4-20 Threaded |
| 2-1/2" | 1/2" | 120 | 10 | 70062 | 71052 | - | - |
| 2-1/2" | 1/2" | 180 | 10 | 70063 | 71053 | - | - |
| 2-1/2" | 1/2" | 240 | 10 | 70064 | 71054 | - | - |
| 2-1/2" | 1" | 40 | 10 | 70069 | - | - | - |
| 2-1/2" | 1" | 60 | 10 | 70070 | 71055 | 74060 | 71170 |
| 2-1/2" | 1" | 80 | 10 | 70071 | 71056 | 74061 | 71171 |
| 2-1/2" | 1" | 120 | 10 | 70072 | 71057 | 74062 | 71172 |
| 2-1/2" | 1" | 180 | 10 | 70073 | 71058 | - | - |
| 2-1/2" | 1" | 240 | 10 | 70074 | 71059 | - | - |
| 3" | 1/2" | 60 | 10 | 70080 | 71060 | - | - |
| 3" | 1/2" | 80 | 10 | 70081 | 71061 | - | - |
| 3" | 1/2" | 120 | 10 | 70082 | 71062 | - | - |
| 3" | 1/2" | 180 | 10 | 70083 | 71063 | - | - |
| 3" | 1/2" | 240 | 10 | 70084 | 71064 | - | - |
| 3" | 3/4" | 60 | 10 | 70090 | 71070 | - | - |
| 3" | 3/4" | 80 | 10 | 70091 | 71071 | - | - |
| 3" | 3/4" | 120 | 10 | 70092 | 71072 | - | - |
| 3" | 3/4" | 180 | 10 | 70093 | 71073 | - | - |
| 3" | 3/4" | 240 | 10 | 70094 | 71074 | - | - |
| 3" | 1" | 40 | 10 | 70099 | - | - | - |
| 3" | 1" | 60 | 10 | 70100 | 71080 | 74070 | 71180 |
| 3" | 1" | 80 | 10 | 70101 | 71081 | 74071 | 71181 |
| 3" | 1" | 120 | 10 | 70102 | 71082 | 74072 | - |
| 3" | 1" | 180 | 10 | 70103 | 71083 | - | - |
| 3" | 1" | 240 | 10 | 70104 | 71084 | - | - |
| 3" | 2" | 40 | 10 | 70110 | - | - | - |
| 3" | 2" | 60 | 10 | 70111 | - | - | - |
| 3" | 2" | 80 | 10 | 70112 | - | - | - |
| 3" | 2" | 120 | 10 | 70113 | - | - | - |

Straight 1/4" and threaded 1/4-20 mandrels available. See page 134



Pedestal Grinder

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 | THICK | 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" | 80 | 3 | 72041 | – |
| 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

COATED ABRASIVES



Right Angle Grinder

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 | THICK | 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 |

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

3Z (24-80 GRIT RANGE)

- For aggressive grinding and finishing of heat sensitive materials and non-ferrous metals
- Closed coat with grinding aids to reduce heat and decrease loading

CERAMIC FIBER DISCS

7A-S (24-80 GRIT RANGE)

- Ceramic blended fiber disc - closed coat
- For use on carbon steel

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-II (36-80 GRIT RANGE)

- Our highest performing disc for stainless and high alloyed steels
- High density ceramic grain for maximum performance with special grinding aids for reduced heat and decreased loading

SILICON CARBIDE FIBER DISCS

C SILICON CARBIDE (16-400 GRIT RANGE)

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





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

KEY FEATURES

- Most comprehensive fiber discs product offering in the industry (12 types).
- Made with the highest quality materials using a premium resin over resin construction.
- Most renowned fiber discs in the world.

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)

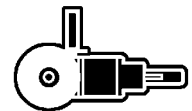
- Special aluminum oxide grain with grinding aids to reduce heat build up and minimize loading
- Closed coat for more material removal and better finishing

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 | - | 56024 | - | - | 50000 | - | 25 | - | - |
| 4" | 5/8" | 36 | - | 56036 | - | - | 50001 | - | 25 | - | - |
| 4" | 5/8" | 50 | - | 56050 | - | - | 50002 | - | 25 | - | - |
| 4" | 5/8" | 60 | - | 56060 | - | - | 50003 | - | 25 | - | - |
| 4" | 5/8" | 80 | - | 56080 | - | - | 50004 | - | 25 | - | - |
| 4" | 5/8" | 100 | - | 56100 | - | - | 50005 | - | 25 | - | - |
| 4" | 5/8" | 120 | - | 56120 | - | - | 50006 | - | 25 | - | - |
| 4-1/2" | 7/8" | 16 | 52416 | 51022 | - | 50090 | 50008 | - | 25 | - | - |
| 4-1/2" | 7/8" | 24 | 52424 | 51024 | - | 50091 | 50010 | - | 25 | 50120 | - |
| 4-1/2" | 7/8" | 36 | 52436 | 51036 | 52890 | 50092 | 50011 | 50060 | 25 | 50121 | 50148 |
| 4-1/2" | 7/8" | 50 | 52450 | 51050 | 52891 | 50093 | 50012 | 50061 | 25 | 50122 | 50149 |
| 4-1/2" | 7/8" | 60 | 52460 | 51060 | 52892 | 50094 | 50013 | 50062 | 25 | 50123 | 50150 |
| 4-1/2" | 7/8" | 80 | 52480 | 51080 | 52893 | 50095 | 50014 | 50063 | 25 | 50124 | 50151 |
| 4-1/2" | 7/8" | 100 | 52400 | 51100 | 52894 | 50096 | 50015 | 50064 | 25 | 50125 | 50152 |
| 4-1/2" | 7/8" | 120 | 52420 | 51120 | 52895 | 50097 | 50016 | 50065 | 25 | 50126 | 50153 |
| 5" | 7/8" | 16 | 52516 | 53016 | - | 50290 | 50018 | - | 25 | - | - |
| 5" | 7/8" | 24 | 52524 | 53024 | - | 50291 | 50020 | - | 25 | 50127 | - |
| 5" | 7/8" | 36 | 52536 | 53036 | 52810 | 50292 | 50021 | 50040 | 25 | 50128 | 50154 |
| 5" | 7/8" | 50 | 52550 | 53050 | 52811 | 50293 | 50022 | 50041 | 25 | 50129 | 50155 |
| 5" | 7/8" | 60 | 52560 | 53060 | 52812 | 50294 | 50023 | 50042 | 25 | 50130 | 50156 |
| 5" | 7/8" | 80 | 52580 | 53080 | 52813 | 50295 | 50024 | 50043 | 25 | 50131 | 50157 |
| 5" | 7/8" | 100 | 52500 | 53100 | 52814 | 50296 | 50025 | 50044 | 25 | 50132 | 50158 |
| 5" | 7/8" | 120 | 52520 | 53120 | 52815 | 50297 | 50026 | 50045 | 25 | 50133 | 50159 |
| 7" | 7/8" | 16 | 52716 | 57016 | - | 50050 | 50030 | - | 25 | - | - |
| 7" | 7/8" | 24 | 52724 | 57024 | - | 50051 | 50031 | - | 25 | 50134 | - |
| 7" | 7/8" | 36 | 52736 | 57036 | 52836 | 50052 | 50032 | 50070 | 25 | 50135 | 50160 |
| 7" | 7/8" | 50 | 52750 | 57050 | 52850 | 50383 | 50033 | 50071 | 25 | 50136 | 50161 |
| 7" | 7/8" | 60 | 52760 | 57060 | 52860 | 50384 | 50034 | 50072 | 25 | 50137 | 50162 |
| 7" | 7/8" | 80 | 52780 | 57080 | 52880 | 50385 | 50035 | 50073 | 25 | 50138 | 50163 |
| 7" | 7/8" | 100 | 52700 | 57090 | 52100 | 50386 | 50036 | 50074 | 25 | 50139 | 50164 |
| 7" | 7/8" | 120 | 52720 | 57120 | 52125 | 50387 | 50037 | 50075 | 25 | 50140 | 50165 |
| 9-1/8" | 7/8" | 16 | - | 58016 | - | - | 50080 | - | 20 | - | - |
| 9-1/8" | 7/8" | 24 | - | 58024 | - | - | 50081 | - | 20 | 50141 | - |
| 9-1/8" | 7/8" | 36 | - | 58036 | - | - | 50082 | - | 20 | 50142 | - |
| 9-1/8" | 7/8" | 50 | - | 58050 | - | - | 50083 | - | 25 | 50143 | - |
| 9-1/8" | 7/8" | 60 | - | 58060 | - | - | 50084 | - | 25 | 50144 | - |
| 9-1/8" | 7/8" | 80 | - | 58080 | - | - | 50085 | - | 25 | 50145 | - |
| 9-1/8" | 7/8" | 100 | - | 58090 | - | - | 50086 | - | 25 | 50146 | - |
| 9-1/8" | 7/8" | 120 | - | 58120 | - | - | 50087 | - | 25 | 50147 | - |

Bold part numbers are stock items | Blue Line™ Custom Discs minimum order - 100 | SAIT-LOK™ Custom Discs minimum order - 150



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 (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.)

3Z – ZIRCONIUM (GRINDING AID)

- Premium zirconium grain with grinding aids to reduce heat build up and minimize loading
- Closed coat structure for aggressive stock removal and long life
- Excels on stainless steel, high tensile steel, titanium and aluminum

STAINLESS Stainless steel, high tensile steel, titanium

METAL Ferrous metals

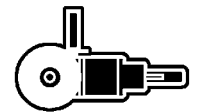
ALUMINUM Non-ferrous metals (aluminum, copper, brass, etc.)

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

See page 73
for packaging descriptions

| DIA | ARBOR | GRIT | BULK (100 PCS) | | | BLUE LINE™ | | | | SAIT-LOK™ (15 PCS) | |
|--------|-------|------|----------------|-------|-------|------------|-------|-------|-----|--------------------|-------|
| | | | AZ-X | Z | 3Z | AZ-X | Z | 3Z | QTY | Z | 3Z |
| 4-1/2" | 7/8" | 24 | 69224 | 59224 | 58224 | 60001 | 59424 | 58424 | 25 | 50166 | – |
| 4-1/2" | 7/8" | 36 | 69226 | 59236 | 58236 | 60002 | 59436 | 58436 | 25 | 50167 | 50187 |
| 4-1/2" | 7/8" | 50 | 69250 | 59250 | 58250 | 60003 | 59450 | 58450 | 25 | 50168 | 50188 |
| 4-1/2" | 7/8" | 60 | 69260 | 59260 | 58260 | 60004 | 59460 | 58460 | 25 | 50169 | 50189 |
| 4-1/2" | 7/8" | 80 | 69280 | 59280 | 58280 | 60005 | 59480 | 58480 | 25 | 50170 | 50190 |
| 5" | 7/8" | 24 | 69324 | 59324 | 58324 | 60007 | 59524 | 58524 | 25 | 50171 | – |
| 5" | 7/8" | 36 | 69336 | 59336 | 58336 | 60008 | 59536 | 58536 | 25 | 50172 | 50192 |
| 5" | 7/8" | 50 | 69350 | 59350 | 58350 | 60009 | 59550 | 58550 | 25 | 50173 | 50193 |
| 5" | 7/8" | 60 | 69360 | 59360 | 58360 | 60010 | 59560 | 58560 | 25 | 50174 | 50194 |
| 5" | 7/8" | 80 | 69380 | 59380 | 58380 | 60011 | 59580 | 58580 | 25 | 50175 | 50195 |
| 7" | 7/8" | 24 | 69624 | 59624 | 58624 | 60071 | 59724 | 58724 | 25 | 50176 | – |
| 7" | 7/8" | 36 | 69636 | 59636 | 58636 | 60072 | 59736 | 58736 | 25 | 50177 | 50197 |
| 7" | 7/8" | 50 | 69650 | 59650 | 58650 | 60073 | 59750 | 58750 | 25 | 50178 | 50198 |
| 7" | 7/8" | 60 | 69660 | 59660 | 58660 | 60074 | 59760 | 58760 | 25 | 50179 | 50199 |
| 7" | 7/8" | 80 | 69680 | 59680 | 58680 | 60075 | 59780 | 58780 | 25 | 50180 | 50200 |
| 9-1/8" | 7/8" | 24 | – | 59824 | – | – | 59924 | – | 20 | 50181 | – |
| 9-1/8" | 7/8" | 36 | – | 59836 | – | – | 59936 | – | 20 | 50182 | – |
| 9-1/8" | 7/8" | 50 | – | 59850 | – | – | 59950 | – | 25 | 50183 | – |
| 9-1/8" | 7/8" | 60 | – | 59860 | – | – | 59960 | – | 25 | 50184 | – |
| 9-1/8" | 7/8" | 80 | – | 59880 | – | – | 59980 | – | 25 | 50185 | – |



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

Bold part numbers are stock items | Blue Line™ Custom Discs minimum order - 100 | Sait-LOK™ Custom Discs minimum order - 150

FIBER DISCS - CERAMIC



7A-S CERAMIC BLEND (ECONOMICAL)

- High performance, ceramic blend
- Economical choice for use on carbon steel

METAL Carbon steel



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

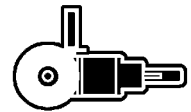
STAINLESS Stainless steel, high tensile steel, titanium

METAL Carbon steel, cast iron

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

| DIA | ARBOR | GRIT | BULK (100 PCS) | | | BLUE LINE™ | | | | SAIT-LOK™ (15 PCS) | | |
|--------|-------|------|----------------|--------------|--------------|------------|-------|-------|-----|--------------------|-------|-------|
| | | | 7A-S | 7S | 9S | 7A-S | 7S | 9S | QTY | 7A-S | 7S | 9S |
| 4-1/2" | 7/8" | 24 | 59009 | 57424 | 51342 | 50374 | 57224 | 50510 | 25 | 55109 | 50999 | 50338 |
| 4-1/2" | 7/8" | 36 | 59010 | 57436 | 51343 | 50375 | 57225 | 50511 | 25 | 55110 | 51000 | 50339 |
| 4-1/2" | 7/8" | 50 | 59011 | 57450 | 51344 | 50376 | 57226 | 50512 | 25 | 55111 | 51001 | 50340 |
| 4-1/2" | 7/8" | 60 | 59012 | 57460 | 51345 | 50377 | 57227 | 50513 | 25 | 55112 | 51002 | 50341 |
| 4-1/2" | 7/8" | 80 | 59013 | 57480 | 59113 | 50378 | 57228 | 56313 | 25 | 55113 | 51003 | 50342 |
| 4-1/2" | 7/8" | 120 | - | - | 59115 | - | - | - | - | - | - | 50344 |
| 5" | 7/8" | 24 | 59019 | 57524 | 51352 | 50389 | 57234 | 50520 | 25 | 55115 | 51007 | 50348 |
| 5" | 7/8" | 36 | 59020 | 57536 | 51353 | 50390 | 57235 | 50521 | 25 | 55116 | 51008 | 50349 |
| 5" | 7/8" | 50 | 59021 | 57550 | 51354 | 50391 | 57236 | 50522 | 25 | 55117 | 51009 | 50350 |
| 5" | 7/8" | 60 | 59022 | 57560 | 51355 | 50392 | 57237 | 50523 | 25 | 55118 | 51010 | 50351 |
| 5" | 7/8" | 80 | 59023 | 57580 | 59133 | 50393 | 57238 | 56333 | 25 | 55119 | 51011 | 50352 |
| 5" | 7/8" | 120 | - | - | 59135 | - | - | - | - | - | - | 50354 |
| 7" | 7/8" | 24 | 59029 | 57724 | 51372 | 50395 | 57244 | 50530 | 25 | 55121 | 51015 | 50358 |
| 7" | 7/8" | 36 | 59030 | 57736 | 51373 | 50396 | 57245 | 50531 | 25 | 55122 | 51016 | 50359 |
| 7" | 7/8" | 50 | 59031 | 57750 | 51374 | 50397 | 57246 | 50532 | 25 | 55123 | 51017 | 50370 |
| 7" | 7/8" | 60 | 59032 | 57760 | 51375 | 50398 | 57247 | 50533 | 25 | 55124 | 51018 | 50371 |
| 7" | 7/8" | 80 | 59033 | 57780 | 59153 | 50399 | 57248 | 56353 | 25 | 55125 | 51019 | 50372 |
| 7" | 7/8" | 120 | - | - | 59155 | - | - | - | - | - | - | 50373 |

Bold part numbers are stock items | Blue Line™ Custom Discs minimum order - 100 | SAIT-LOK™ Custom Discs minimum order - 150



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

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

See page 73 for packaging descriptions



7-II CERAMIC ****NEW**** (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-II | 7-II | 9-II |
| 4-1/2" | 7/8" | 36+ | 56361 | 57261 | 56461 | 57361 |
| 4-1/2" | 7/8" | 50+ | 56362 | 57262 | 56462 | 57362 |
| 4-1/2" | 7/8" | 60+ | 56363 | 57263 | 56463 | 57363 |
| 4-1/2" | 7/8" | 80+ | 56364 | 57264 | 56464 | 57364 |
| 5" | 7/8" | 36+ | 56367 | 57267 | 56467 | 57367 |
| 5" | 7/8" | 50+ | 56368 | 57268 | 56468 | 57368 |
| 5" | 7/8" | 60+ | 56369 | 57269 | 56469 | 57369 |
| 5" | 7/8" | 80+ | 56370 | 57270 | 56470 | 57370 |
| 7" | 7/8" | 36+ | 56373 | 57273 | 56473 | 57373 |
| 7" | 7/8" | 50+ | 56374 | 57274 | 56474 | 57374 |
| 7" | 7/8" | 60+ | 56375 | 57275 | 56475 | 57375 |
| 7" | 7/8" | 80+ | 56376 | 57276 | 56476 | 57376 |

Bold part numbers are stock items - SAIT-LOK™ Custom Discs minimum order - 150

COATED ABRASIVES



9-II CERAMIC ****NEW**** (PREMIUM PERFORMANCE WITH GRINDING AID)

- Our highest performing disc for stainless and high alloyed steels
- High density ceramic grain for maximum performance with special grinding aids for reduced heat and decreased loading

STAINLESS Stainless steel, high tensile alloys

METAL Carbon steel, cast iron

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



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

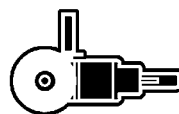
| DIA | ARBOR | GRIT | BULK (100 PCS) | BLUE LINE™ | |
|-----|-------|------|----------------|------------|-----|
| | | | C | C | QTY |
| 7" | 7/8" | 16 | 54016 | 50100 | 25 |
| 7" | 7/8" | 24 | 54024 | 50101 | 25 |
| 7" | 7/8" | 36 | 54036 | 50102 | 25 |
| 7" | 7/8" | 50 | 54050 | 50103 | 25 |
| 7" | 7/8" | 60 | 54060 | 50104 | 25 |
| 7" | 7/8" | 80 | 54080 | 50105 | 25 |
| 7" | 7/8" | 100 | 54100 | 50106 | 25 |
| 7" | 7/8" | 120 | 54120 | 50107 | 25 |
| 7" | 7/8" | 150 | 54150 | 50108 | 25 |
| 7" | 7/8" | 180 | 54180 | 50109 | 25 |
| 7" | 7/8" | 220 | 54220 | 50110 | 25 |
| 7" | 7/8" | 320 | 54320 | 50112 | 25 |
| 7" | 7/8" | 400 | 54400 | 50113 | 25 |

Bold part numbers are stock items - Blue Line™ Custom Discs minimum order - 100

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

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

Backing Pads



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 portable 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

| | |
|------------------|--|
| METAL | Ferrous and/or non-ferrous metals, cast iron |
| STAINLESS | Stainless steel, high tensile steel alloys |
| ALUMINUM | Aluminum |
| WOOD | Soft and/or hard woods |



Z-H ZIRCONIA ALUMINA - 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

**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 SHELVEING**

KEY FEATURES

- A selection of the most popular belt sizes and materials in stock and ready to ship
- Available in aluminum oxide and zirconium
- 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 – 400 for finishing/polishing applications

STOCK BELTS

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

| WIDTH | LENGTH | QTY | QUICK SHIP™ PACKAGING – 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" | 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" | 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 |
| 6" | 48" | 10 | 61023 | 61024 | 61025 | 61026 | 61027 | 61028 | 61029 | 61030 | 61031 | 61032 | 61033 | 61036 |

| WIDTH | LENGTH | QTY | BLUE LINE™ PACKAGING – 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

AO-X ALUMINUM OXIDE OPEN COAT

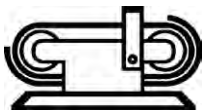
| WIDTH | LENGTH | QTY | QUICK SHIP™ PACKAGING – GRIT | | | | | | | | | |
|-------|--------|-----|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | 24 | 36 | 40 | 50 | 60 | 80 | 100 | 120 | 150 | 180 |
| 3" | 18" | 10 | 63230 | 63231 | 63232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

| WIDTH | LENGTH | QTY | BLUE LINE™ PACKAGING – 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 |

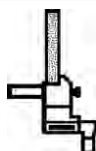
• Packaging contains quantity of 5 belts



Backstand Sander



Benchstand Sander



File Sander



Portable Sander

See page 79 for
packaging descriptions

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

• Shrink-wrapped in quantities of 10

| WIDTH | LENGTH | QTY | SAIT-SAVER™ PACKAGING – 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 |

COATED ABRASIVES

Z-H ZIRCONIA ALUMINA - HEAVY DUTY - CLOSED COAT

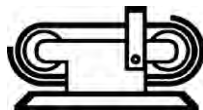
| WIDTH | LENGTH | QTY | QUICK SHIP™ PACKAGING – GRIT | | | | |
|--------|---------|-----|------------------------------|-------|-------|-------|-------|
| | | | 36 | 40 | 50 | 60 | 80 |
| 1/4" | 18" | 10 | 64016 | 64017 | 64018 | 64019 | 64020 |
| 1/4" | 24" | 10 | 64030 | 64031 | 64032 | 64033 | 64034 |
| 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" | 42" | 10 | 58152 | 58153 | 58154 | 58155 | 58156 |
| 2" | 72" | 10 | 64534 | 64535 | 64536 | 64537 | 64538 |
| 2-1/2" | 60" | 10 | 65108 | 65109 | 65110 | 65111 | 65112 |
| 3" | 132" | 10 | 64772 | 64773 | 64774 | 64775 | 64776 |
| 6" | 48" | 10 | 58142 | 58143 | 58144 | 58145 | 58146 |

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

• Packaging contains quantity of 5 belts



Backstand Sander



Benchstand Sander



File Sander



Portable Sander

See page 79 for
packaging descriptions

ALUMINUM OXIDE CLOTH GENERAL PURPOSE

METAL STAINLESS ALUMINUM WOOD

1A-X/2A-X

- Semi-friable (1A-X) heat treated (2A-X) aluminum oxide grain on X-weight cotton backing
- For general purpose grinding and finishing
- 24-400 grit range

AO-X

- Semi friable aluminum oxide grain on X-Weight cotton backing
- For general purpose, open coat grinding, polishing and finishing of materials that have a tendency to load
- 24-180 grit range

2A-H

- Heat treated, aluminum oxide grain on H-weight, waterproof polyester backing
- Excellent for heavy duty grinding and finishing ferrous and non-ferrous metals, cast iron and aluminum. Excellent foundry belt material
- 24-120 grit range

KA-F

- Semi-friable aluminum oxide grain on a very flexible backing
- Flexible product for applications with medium to light pressure
- Excels on curved and conformed surfaces
- For use on ferrous and non-ferrous metals, wood and leather
- 60-400 grit range

AO-F (PAPER)

- Semi-friable aluminum oxide grain on F-weight antistatic paper backing
- Extra open structure to reduce clogging on wood
- 40-180 grit range

SILICON CARBIDE CLOTH SPECIALTY

METAL STAINLESS ALUMINUM WOOD

C-W

- Silicon carbide grain on waterproof X-weight cotton backing
- For grinding and finishing glass, hard cast iron, aluminum, ceramics, non-ferrous metals, plastics, rubber, marble and stone
- 60-220 grit range. Closed coat

ZIRCONIA ALUMINA CLOTH PREMIUM

METAL STAINLESS ALUMINUM WOOD

AZ-X

- Zirconia Alumina abrasive material on X-weight, water-resistant polyester cotton blended backing
- For general purpose grinding and finishing on ferrous and non-ferrous metals, cast iron, aluminum, stainless steel and wood materials
- 36-120 grit range. Closed coat

Z-H

- Zirconia alumina abrasive material on H-weight, waterproof polyester backing for heavy duty grinding and finishing
- 24-120 grit range

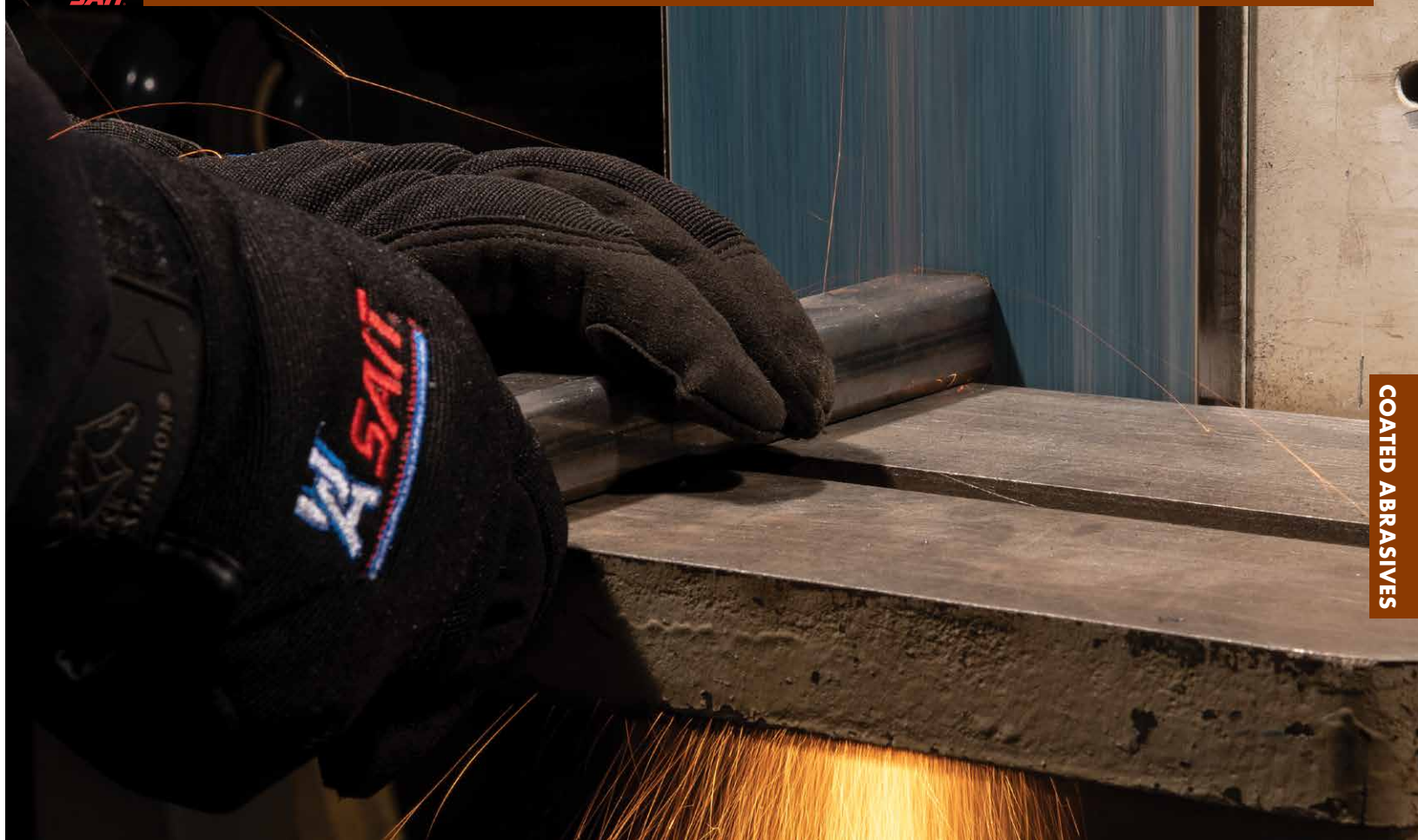
CERAMIC CLOTH HIGH PERFORMANCE

METAL STAINLESS ALUMINUM WOOD

7A-S

9A-S (WITH GRINDING AID)

- Ceramic abrasive material on H-weight, waterproof polyester backing
- For heavy duty grinding and finishing on metal, cast iron and stainless steel
- 36-80 grit range. Closed coat



NON-STOCK BELT MINIMUM PACKAGING AND SIZES

| | QTY | WIDTH | LENGTH |
|--------------------------------|--------|-----------|------------|
| PORTABLE FILE BELTS | 50/BOX | 1/8" - 1" | 12" - 36" |
| PORTABLE BELTS | 10/BOX | 3" - 4" | 14" - 24" |
| NARROW BELTS | 10/BOX | 1" - 20" | 12" - 300" |
| WIDE BELTS (60 GRIT & COARSER) | 3/BOX | 25" - 54" | 48" - 128" |
| WIDE BELTS (80 GRIT & FINER) | 5/BOX | 25" - 54" | 48" - 128" |

KEY FEATURES

- Over 2500 new items available in portable belts, narrow belts, and wide belts
- Lead time of 7-10 business days (non-returnable)
- All non-stock belt quantities are subject to a manufacturing leeway of plus or minus 10%

CALL CUSTOMER SERVICE FOR DETAILS
1-800-428-5927 (U.S.A.)
1-800-345-7248 (CANADA)



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



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



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



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



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



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



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



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 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 paper discs are tabbed for easy removal of release paper

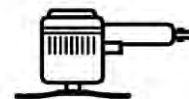


| DIA | GRIT | QUANTITY 100 | | | | HEAVY DUTY | |
|-----|------|--------------|-------|-------|-------|-------------|--------|
| | | 6A | 3S | 4S | 6S | QUANTITY 50 | |
| | | | | | | A-E | Z-F |
| 5" | 40 | - | - | - | - | 34150 | 34110 |
| 5" | 60 | - | - | - | - | 34152 | 34112 |
| 5" | 80 | 35400 | 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) backing allows for quick changes



Disc Sander

For PSA Backing Pads and Contour Hand 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" | 500 | 50 | - | - | - | - | - | - |
| 5" | 800 | 50 | - | - | 37554 | - | - | - |
| 5" | 1000 | 50 | - | - | 37555 | - | - | - |
| 5" | 1200 | 50 | - | - | 37556 | - | - | - |
| 5" | 1500 | 50 | - | - | 37557 | - | - | - |

5" - 8 HOLES

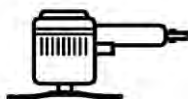
| DIA | GRIT | QTY | 6A | 3S | 4S/4V | 6S | HD | |
|-----|------|-----|-------|-------|-------|-------|-----|-------|
| | | | | | | | A-E | |
| 5" | 40 | 50 | - | - | - | - | - | 34290 |
| 5" | 60 | 50 | - | - | 37534 | 35339 | - | 34292 |
| 5" | 80 | 50 | 35440 | 36560 | 37535 | 35340 | - | 34293 |
| 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 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 | 35030 | 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 backing
- Closed coat structure

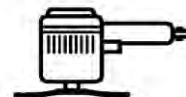
METAL Ferrous and/non-ferrous metals (iron, steel, aluminum, copper, etc.)

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.)

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

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

9S – CERAMIC ALUMINUM OXIDE (GRINDING AID) **NEW**

- 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 | | | | | | | | | | | HEAVY DUTY | | | |
|--------|------|-----|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|------------|-------------|-----------|-------------|
| | | | 2A | | 3A | | Z | | 3Z | | 9S | | 2A-H | | Z-H | |
| | | | 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 | — | 50212 | — | — | — | — | — | — | — | — | — | — | — |
| 1" | 100 | 100 | 52213 | — | 50213 | — | — | — | — | — | — | — | — | — | — | — |
| 1" | 120 | 100 | 52214 | — | 50214 | — | — | — | — | — | — | — | — | — | — | — |
| 1-1/2" | 36 | 100 | 52215 | 52264 | 50215 | 50264 | 55215 | 55264 | 56215 | 56264 | — | — | — | — | — | — |
| 1-1/2" | 40 | 100 | 52216 | 52265 | 50216 | 50265 | 55216 | 55265 | — | — | — | — | — | — | — | — |
| 1-1/2" | 50 | 100 | 52217 | 52266 | 50217 | 50266 | 55217 | 55266 | 56217 | 56266 | — | — | — | — | — | — |
| 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 | 50220 | 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 | 56224 | 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 | 56231 | 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



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
- 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 | 5 | 10015 |
| 9" | 11" | COARSE - 60 | 5 | 10006 |
| 9" | 11" | MEDIUM - 100 | 5 | 10008 |
| 9" | 11" | FINE - 150 | 5 | 10010 |
| 9" | 11" | VERY FINE - 220 | 5 | 10012 |

Waterproof Silicon Carbide Sheets

| WIDTH | LENGTH | GRADE / GRIT | QTY | PART # |
|-------|--------|--|-----|--------|
| 9" | 11" | ASSORTED - 2 Super Fine, 2 Extra Fine, 1 Very Fine | 5 | 10036 |
| 9" | 11" | VERY FINE - 220 | 5 | 10028 |
| 9" | 11" | EXTRA FINE - 320 | 5 | 10031 |
| 9" | 11" | SUPER FINE - 400 | 5 | 10032 |
| 9" | 11" | ULTRA FINE - 600 | 5 | 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) **NEW**

- 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 | 4S | 3S |
|-------|--------|------|-----|-------|-------|-------|
| 9" | 11" | 40 | 100 | 84422 | – | – |
| 9" | 11" | 60 | 100 | 84423 | – | – |
| 9" | 11" | 80 | 100 | 84424 | 84283 | 84230 |
| 9" | 11" | 100 | 100 | – | 84284 | 84231 |
| 9" | 11" | 120 | 100 | 84426 | 84285 | 84232 |
| 9" | 11" | 150 | 100 | 84427 | 84286 | 84233 |
| 9" | 11" | 180 | 100 | 84428 | 84287 | 84234 |
| 9" | 11" | 220 | 100 | 84429 | 84288 | 84235 |
| 9" | 11" | 240 | 100 | – | 84289 | 84236 |
| 9" | 11" | 320 | 100 | 84430 | 84290 | 84237 |
| 9" | 11" | 400 | 100 | 84431 | 84291 | 84238 |
| 9" | 11" | 500 | 100 | – | 84292 | 84239 |
| 9" | 11" | 600 | 100 | – | 84293 | – |

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.)



STEARATE ALUMINUM OXIDE (EA-S)

- Aluminum oxide grain on a flexible tear-resistant cloth backing
- Stearate coating and open coat structure lubricates and prevents loading
- Excellent for hand sanding wood, aluminum and painted surfaces
- 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 | EA-S |
|-------|--------|------|-----|-------|-------|
| 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 | 84160 |
| 9" | 11" | 150 | 50 | 84914 | 84161 |
| 9" | 11" | 180 | 50 | 84915 | 84162 |
| 9" | 11" | 220 | 50 | 84916 | 84163 |
| 9" | 11" | 240 | 50 | 84917 | - |
| 9" | 11" | 320 | 50 | 84918 | 84166 |
| 9" | 11" | 400 | 50 | - | 84167 |

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 | PART # |
|---------|--------|------|-----|--------|
| 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 |

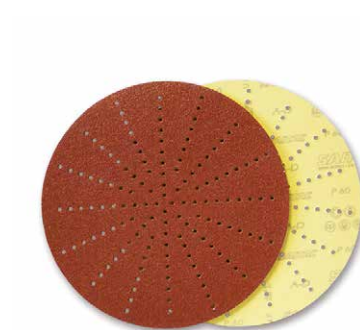


PAPER

- 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, dry wall joints

| | WIDTH | LENGTH | GRIT | QTY | PART # |
|-------|---------|----------|------|-----|--------|
| | 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 |
| Rolls | 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 |



GIRAFFE DRYWALL DISCS ****NEW****

- 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

WOOD Plaster, dry wall compound, and stucco

| DIA | GRIT | QTY | PART # |
|-----|------|-----|--------|
| 9" | 40 | 100 | 84308 |
| 9" | 60 | 100 | 84309 |
| 9" | 80 | 100 | 84310 |
| 9" | 100 | 100 | 84311 |
| 9" | 120 | 100 | 84312 |
| 9" | 150 | 100 | 84313 |
| 9" | 180 | 100 | 84314 |
| 9" | 220 | 100 | 84315 |



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 | PART # |
|--------|---------|------|-----|--------|
| 2-3/4" | 17-1/2" | 40D | 50 | 84171 |
| 2-3/4" | 17-1/2" | 60D | 100 | 84172 |
| 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 | THICK | GRIT | QTY | PART # |
|-------------------------------|--------|--------|-------|------|-----|--------|
| 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



Packaged as 1 per box

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.

| WIDTH | LENGTH | 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 | 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 | 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 |

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 | PART # |
|--------|--------|------|-----|--------|
| 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 | PART # |
|--------|--------|------|-----|--------|
| 4-1/2" | 5 YDS | 40 | 10 | 81101 |
| 4-1/2" | 5 YDS | 60 | 10 | 81102 |
| 4-1/2" | 5 YDS | 80 | 10 | 81103 |
| 4-1/2" | 5 YDS | 100 | 10 | 81104 |
| 4-1/2" | 5 YDS | 120 | 10 | 81105 |
| 4-1/2" | 5 YDS | 150 | 10 | 81106 |
| 4-1/2" | 5 YDS | 180 | 10 | 81107 |
| 4-1/2" | 5 YDS | 220 | 10 | 81108 |



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 |



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 | PART # |
|-------|--------|------|-----|--------|
| 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 |

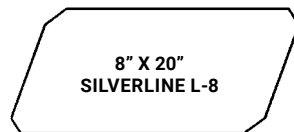
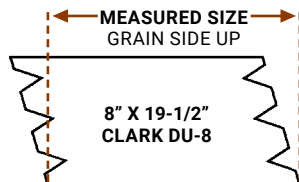


FLOOR SANDING SHEETS

- 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 | PART # |
|-------|---------|---------------------|-----|--------|
| 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 Sanding

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

| 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 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 | PART # |
|-------|----------|----------|----------|-----|--------|
| 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 |

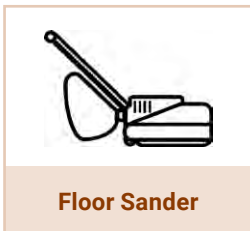


SAITSCREEN™ SHEETS

- 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 | PART # |
|-------|--------|------|-----|--------|
| 12" | 24" | 80 | 10 | 88002 |
| 12" | 24" | 100 | 10 | 88003 |
| 12" | 24" | 120 | 10 | 88004 |

CARTRIDGE ROLLS



STRAIGHT CARTRIDGE ROLLS

- 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

COATED ABRASIVES

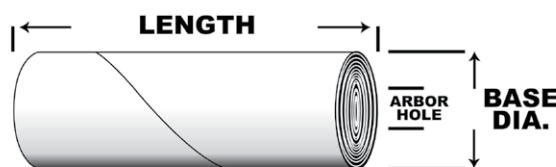
| BASE DIA | LENGTH | ARBOR | GRIT | MAX RPM | QTY | PART # | MANDREL PART # |
|----------|--------|-------|------|---------|-----|--------|----------------|
| 3/16" | 1" | 3/32" | 80 | 26,000 | 100 | 38001 | 95108 |
| 3/16" | 1" | 3/32" | 120 | 26,000 | 100 | 38003 | 95108 |
| 1/4" | 1" | 1/8" | 60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

See page 135 for Cartridge Roll Mandrels

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



Die Grinder



See page 135 for
Cartridge Roll Mandrels

TAPERED CARTRIDGE ROLLS

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

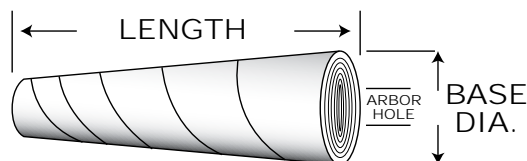
METAL Ferrous and/or non-ferrous metals

STAINLESS Stainless steel, high tensile steel

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



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 | PART # |
|--------|--------|------|---------|-----|--------|
| 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 | 15,000 | 100 | 42006 |
| 1/2" | 1" | 80 | 15,000 | 100 | 42007 |
| 1/2" | 1" | 120 | 15,000 | 100 | 42008 |
| 1/2" | 1-1/2" | 60 | 12,000 | 100 | 42011 |
| 1/2" | 1-1/2" | 80 | 12,000 | 100 | 42012 |
| 1/2" | 1-1/2" | 120 | 12,000 | 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 | 10,000 | 100 | 42022 |
| 3/4" | 1-1/2" | 80 | 10,000 | 100 | 42023 |
| 3/4" | 1-1/2" | 120 | 10,000 | 100 | 42024 |
| 1" | 1" | 36 | 18,000 | 100 | 42027 |
| 1" | 1" | 60 | 18,000 | 100 | 42028 |
| 1" | 1" | 80 | 18,000 | 100 | 42029 |
| 1" | 1" | 120 | 18,000 | 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 | THICK | MANDREL | GRIT | RECOMMENDED RPM RANGE | MAX RPM | QTY | PART # |
|--------|-------|---------|------|-----------------------|---------|-----|--------|
| 1" | 3/8" | 3-48 | 60 | 20,000 - 23,000 | 25,000 | 50 | 48036 |
| 1" | 3/8" | 3-48 | 80 | 20,000 - 23,000 | 25,000 | 50 | 48037 |
| 1" | 3/8" | 3-48 | 120 | 20,000 - 23,000 | 25,000 | 50 | 48038 |
| 1-1/2" | 1/2" | 8-32 | 60 | 19,000 - 20,000 | 23,000 | 50 | 48041 |
| 1-1/2" | 1/2" | 8-32 | 80 | 19,000 - 20,000 | 23,000 | 50 | 48042 |
| 2" | 1/2" | 8-32 | 60 | 19,000 - 20,000 | 23,000 | 50 | 48046 |
| 2" | 1/2" | 8-32 | 80 | 19,000 - 20,000 | 23,000 | 50 | 48047 |
| 2" | 1/2" | 8-32 | 120 | 19,000 - 20,000 | 23,000 | 50 | 48048 |
| 2" | 1" | 1/4-20 | 60 | 19,000 - 20,000 | 23,000 | 50 | 48051 |
| 2" | 1" | 1/4-20 | 80 | 19,000 - 20,000 | 23,000 | 50 | 48052 |
| 2" | 1" | 1/4-20 | 120 | 19,000 - 20,000 | 23,000 | 50 | 48053 |
| 3" | 1" | 1/4-20 | 60 | 10,000 - 12,000 | 14,000 | 50 | 48056 |
| 3" | 1" | 1/4-20 | 80 | 10,000 - 12,000 | 14,000 | 50 | 48057 |
| 3" | 1" | 1/4-20 | 120 | 10,000 - 12,000 | 14,000 | 50 | 48058 |
| 4" | 1" | 1/4-20 | 60 | 9,000 - 10,000 | 14,000 | 50 | 48061 |
| 4" | 1" | 1/4-20 | 80 | 9,000 - 10,000 | 14,000 | 50 | 48062 |
| 4" | 1" | 1/4-20 | 120 | 9,000 - 10,000 | 14,000 | 50 | 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 | THICK | MANDREL | GRIT | RECOMMENDED RPM RANGE | MAX RPM | QTY | PART # |
|--------|-------|---------|------|-----------------------|---------|-----|--------|
| 1-1/2" | 1/2" | 1/4-20 | 60 | 19,000 - 20,000 | 23,000 | 50 | 48006 |
| 1-1/2" | 1/2" | 1/4-20 | 80 | 19,000 - 20,000 | 23,000 | 50 | 48007 |
| 1-1/2" | 1/2" | 1/4-20 | 120 | 19,000 - 20,000 | 23,000 | 50 | 48008 |
| 2" | 1/4" | 8-32 | 60 | 19,000 - 20,000 | 23,000 | 50 | 48011 |
| 2" | 1/4" | 8-32 | 80 | 19,000 - 20,000 | 23,000 | 50 | 48012 |
| 2" | 1/2" | 1/4-20 | 60 | 19,000 - 20,000 | 23,000 | 50 | 48016 |
| 2" | 1/2" | 1/4-20 | 80 | 19,000 - 20,000 | 23,000 | 50 | 48017 |
| 2" | 1/2" | 1/4-20 | 120 | 19,000 - 20,000 | 23,000 | 50 | 48018 |
| 2" | 3/4" | 1/4-20 | 60 | 19,000 - 20,000 | 23,000 | 50 | 48021 |
| 2" | 3/4" | 1/4-20 | 80 | 19,000 - 20,000 | 23,000 | 50 | 48022 |
| 3" | 1/4" | 1/4-20 | 60 | 10,000 - 12,000 | 14,000 | 50 | 48026 |
| 3" | 1/4" | 1/4-20 | 80 | 10,000 - 12,000 | 14,000 | 50 | 48027 |
| 3" | 1/4" | 1/4-20 | 120 | 10,000 - 12,000 | 14,000 | 50 | 48028 |
| 3" | 1/2" | 1/4-20 | 60 | 10,000 - 12,000 | 14,000 | 50 | 48031 |
| 3" | 1/2" | 1/4-20 | 80 | 10,000 - 12,000 | 14,000 | 50 | 48032 |
| 3" | 1/2" | 1/4-20 | 120 | 10,000 - 12,000 | 14,000 | 50 | 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

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NON-WOVEN ABRASIVES



NON-WOVEN HAND PADS



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

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 | PART # |
|-------|--------|--------|------------|-----|--------|
| 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



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

METAL Ferrous metals

ALUMINUM Non-ferrous metals

STAINLESS Stainless steel

WOOD Fiberglass and rubber

| WIDTH | LENGTH | QTY | COARSE BROWN | MEDIUM MAROON | VERY FINE BLUE |
|--------|---------|-----|--------------|---------------|----------------|
| 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" | 42" | 10 | - | 77526 | - |
| 2" | 48" | 10 | - | 77531 | - |
| 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 | - |

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

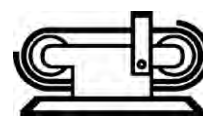
- Excellent for cleaning and finishing
- Reduce surface roughness
- Polish welds
- Use to apply cosmetic grain or scratch patterns

STAINLESS Stainless steel

METAL Ferrous metals

ALUMINUM Non-ferrous metals

WOOD Fiberglass and rubber



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

ULTIMATE PERFORMANCE ****NEW**** 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



SAIT-LOK™



SAIT-LOK-R™

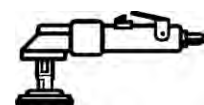
SAIT-LOK™

- All-metal 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 | COURSE 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

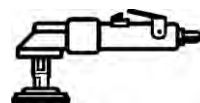
See page 132 for backing pads

HOOK & LOOP

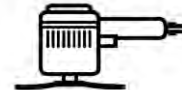
- Hook & Loop fastening system allows for quick changes and less downtime



| 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

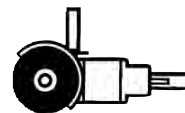
See page 136 for backing pads

ULTIMATE PERFORMANCE DISCS WITH ARBOR HOLE

- For use with right angle grinder utilizing 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

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

VERY FINE

- 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™

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



SAIT-LOK™

Portable Grinder

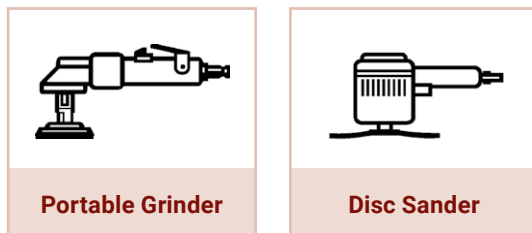
Disc Sander

See page 132 for backing pads

| DIA | GRADE | QTY | PART # |
|-----|-----------|-----|--------|
| 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

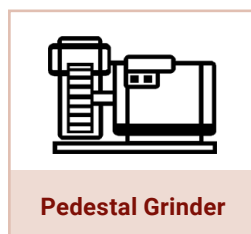
Disc Sander

See page 136 for backing pads

| DIA | GRADE | QTY | PART # |
|-----|-----------|-----|--------|
| 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 | PART # |
|-----|-------|-----------|-----|--------|
| 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



See page 136 for mounting flanges and reducing bushings

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 | THICK | ARBOR | GRADE | MAX RPM | QTY | PART # |
|-----|-------|-------|-----------|---------|-----|--------|
| 6" | 1" | 2" | MEDIUM | 3400 | 3 | 77325 |
| 6" | 1" | 2" | VERY FINE | 3400 | 3 | 77327 |
| 8" | 1" | 3" | MEDIUM | 3200 | 3 | 77330 |
| 8" | 1" | 3" | VERY FINE | 3200 | 3 | 77332 |

GF - GRIND AND FINISH LINEAR POLISHING WHEELS ****NEW****

- 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 PART # |
|------------------------|-----------|---------|-----|------------------|
| 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 PART # |
|------------------------|-----------------|---------|-----|------------------|
| 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



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 | THICK | SPINDLE | GRADE | MAX RPM | QTY | PART # |
|-----|-------|---------|--------|---------|-----|--------|
| 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 | 15,000 | 10 | 77785 |
| 2" | 1" | 1/4" | MEDIUM | 15,000 | 10 | 77786 |
| 2" | 1" | 1/4" | FINE | 15,000 | 10 | 77787 |
| 3" | 1" | 1/4" | COARSE | 8,600 | 10 | 77790 |
| 3" | 1" | 1/4" | MEDIUM | 8,600 | 10 | 77791 |
| 3" | 1" | 1/4" | FINE | 8,600 | 10 | 77792 |
| 3" | 2" | 1/4" | COARSE | 8,600 | 5 | 77805 |
| 3" | 2" | 1/4" | MEDIUM | 8,600 | 5 | 77806 |
| 3" | 2" | 1/4" | FINE | 8,600 | 5 | 77807 |



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

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

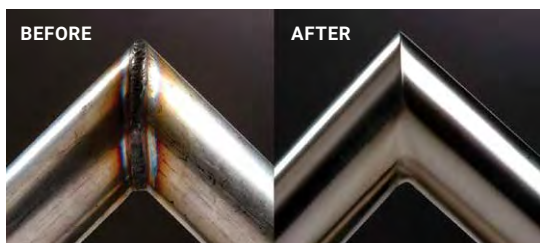
- Excellent for grain finishing, satin finishing and linear scratch patterns
- Very Fine surface conditioning material with either 120 or 180 grit coated abrasive material



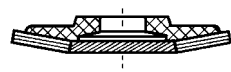
Die Grinder

| DIA | THICK | SPINDLE | GRIT | GRADE | MAX RPM | QTY | PART # |
|-----|-------|---------|------|-----------|---------|-----|--------|
| 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 | 15,000 | 10 | 77710 |
| 2" | 1" | 1/4" | 80 | MEDIUM | 15,000 | 10 | 77712 |
| 2" | 1" | 1/4" | 120 | VERY FINE | 15,000 | 10 | 77714 |
| 2" | 1" | 1/4" | 180 | VERY FINE | 15,000 | 10 | 77716 |
| 3" | 1" | 1/4" | 60 | MEDIUM | 8,600 | 10 | 77730 |
| 3" | 1" | 1/4" | 80 | MEDIUM | 8,600 | 10 | 77732 |
| 3" | 1" | 1/4" | 120 | VERY FINE | 8,600 | 10 | 77734 |
| 3" | 1" | 1/4" | 180 | VERY FINE | 8,600 | 10 | 77736 |
| 3" | 2" | 1/4" | 60 | MEDIUM | 8,600 | 5 | 77750 |
| 3" | 2" | 1/4" | 80 | MEDIUM | 8,600 | 5 | 77752 |
| 3" | 2" | 1/4" | 120 | VERY FINE | 8,600 | 5 | 77754 |
| 3" | 2" | 1/4" | 180 | VERY FINE | 8,600 | 5 | 77756 |

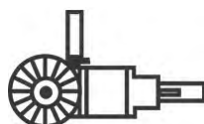
INTERLEAF & NON-WOVEN FLAP DISCS



| | | |
|--------------------|-----------------------|-------------------|
| 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

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 | PART # |
|--------|-------|-----------|------|-----------------|--------|
| 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 |

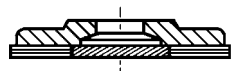
QUANTITY: Packaged 10 per box

TECH INFO

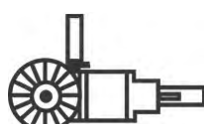
- Ideal for cleaning of weld spatter and light deburring operations
- Operate at lower speeds for optimum performance
- Optimal RPM: 4-1/2"=4,000, 5"=3,500



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



Type 27 (Flat)



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 | PART # |
|--------|-------|-----------|--------|--------|
| 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



SAIT-STRIP™ 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

TECH INFO

- Constructed of large nylon filament, providing an open, non-loading surface
- Utilizes coarse silicon carbide grain for rapid removal of surface contaminants, while producing fine finishes



SAIT-LOK™

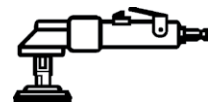
SAIT-LOK-R™

See page 132 for backing pads

SAIT-LOK™ & SAIT-LOK-R™

- SAIT-LOK™ All-metal 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 | MAX RPM | QTY | SAIT-LOK™ | SAIT-LOK-R™ |
|-----|---------|-----|-----------|-------------|
| 2" | 12,000 | 25 | 77250 | 77350 |
| 3" | 8,500 | 10 | 77255 | 77355 |



Portable Grinder

NON-WOVEN



ARBOR HOLE DISCS

- Arbor hole for easy mounting to grinder shaft

| DIA | THICK | ARBOR | MAX RPM | QTY | PART # |
|-----|-------|-------|---------|-----|--------|
| 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 |



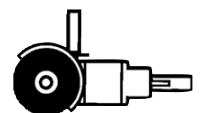
Pedestal Grinder



SAIT-STRIP™ TYPE 27

- Convenient option when using a right angle grinder

| DIA | THICK | ARBOR | MAX RPM | QTY | PART # |
|--------|-------|-------|---------|-----|--------|
| 4-1/2" | 1/2" | 7/8" | 10,000 | 4 | 77230 |



Angle Grinder

UNITIZED WHEELS



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, medium grade, silicon carbide grain

- Series 524
- General purpose cleaning, finishing and polishing

Soft density, fine grade, silicon carbide grain

- Series 532
- Requires light pressure for fine finishing and polishing
- Highly conformable material
- Provides clean, bright surface on stainless steel
- Finer finish than the 524 series

Medium density, fine grade, silicon carbide grain

- Series 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, fine grade, aluminum oxide grain

- Series 731
- Light pressure for blending and finishing
- High edge durability
- High degree of stock removal, while maintaining bright finish
- Smaller contact area than the 632 series

Hard density, coarse grade, aluminum oxide grain

- Series 811
- Highest stock removal and edge breaking capability
- Most aggressive for deburring

Hard density, medium grade, aluminum oxide grain

- Series 821
- Provides high stock removal, long life and productivity
- Very durable on edge

NON-WOVEN



Die Grinder

See page 130
for mandrels



Right Angle Grinder

UNITIZED WHEELS

| DIA | THICK | ARBOR | SERIES | DENSITY | GRADE | GRAIN | MAX RPM | PART # | QTY | MANDREL PART # |
|-----|-------|-------|--------|---------|--------|-----------------|---------|--------|-----|----------------|
| 1" | 1" | 3/16" | 821 | HARD | MEDIUM | ALUMINUM OXIDE | 30,000 | 77830 | 10 | — |
| 3" | 1/2" | 1/4" | 821 | HARD | MEDIUM | ALUMINUM OXIDE | 18,000 | 77835 | 10 | 95002 |
| 3" | 1/4" | 1/4" | 524 | SOFT | MEDIUM | SILICON CARBIDE | 18,000 | 77840 | 10 | 95002 |
| 3" | 1/4" | 1/4" | 532 | SOFT | FINE | SILICON CARBIDE | 18,000 | 77845 | 10 | 95002 |
| 3" | 1/4" | 1/4" | 632 | MEDIUM | FINE | SILICON CARBIDE | 18,000 | 77850 | 10 | 95002 |
| 3" | 1/4" | 1/4" | 731 | MEDIUM | FINE | ALUMINUM OXIDE | 18,000 | 77855 | 10 | 95002 |
| 3" | 1/4" | 1/4" | 811 | HARD | COARSE | ALUMINUM OXIDE | 18,000 | 77860 | 10 | 95002 |
| 3" | 1/4" | 1/4" | 821 | HARD | MEDIUM | ALUMINUM OXIDE | 18,000 | 77865 | 10 | 95002 |

TYPE 27 UNITIZED WHEELS

| DIA | ARBOR | SERIES | DENSITY | GRADE | GRAIN | MAX RPM | QTY | PART # |
|--------|-------|--------|---------|--------|-----------------|---------|-----|--------|
| 4-1/2" | 7/8" | 524 | SOFT | MEDIUM | SILICON CARBIDE | 10,000 | 4 | 77875 |
| 4-1/2" | 7/8" | 632 | MEDIUM | FINE | SILICON CARBIDE | 10,000 | 4 | 77880 |
| 4-1/2" | 7/8" | 811 | HARD | COARSE | ALUMINUM OXIDE | 10,000 | 4 | 77885 |
| 4-1/2" | 7/8" | 821 | HARD | MEDIUM | ALUMINUM OXIDE | 10,000 | 4 | 77890 |



Wheels must be run in the direction of the arrow as indicated on the wheel.

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

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 | THICK | ARBOR | GRADE | DENSITY | MAX RPM | QTY | PART # |
|-----|-------|-------|-------|--------------|---------|-----|--------|
| 6" | 1/2" | 1" | FINE | HARD - 9SF | 6,000 | 4 | 77810 |
| 6" | 1" | 1" | FINE | HARD - 9SF | 6,000 | 3 | 77820 |
| 6" | 1" | 1" | FINE | MEDIUM - 8SF | 6,000 | 3 | 77815 |
| 8" | 1" | 3" | FINE | HARD - 9SF | 4,500 | 3 | 77825 |

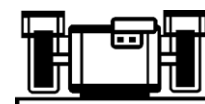
AVAILABLE IN TWO DENSITIES

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

BUFFING DISCS

- Premium quality buffing material
- Designed for final cosmetic finishing
- Available in hook and loop and SAIT-LOK-R™
- A slower speed achieves a better finish and reduces heat

STAINLESS Stainless steel and other high tensile alloys
ALUMINUM Aluminum, brass and other non-ferrous metals

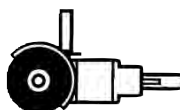


SAIT-LOK-R™

NON-WOVEN

See page 136 for backing pads

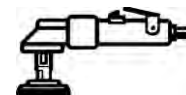
| DIA | QTY | SAIT-LOK-R™ | HOOK & LOOP |
|-----|-----|-------------|-------------|
| 2" | 50 | 41012 | — |
| 3" | 25 | 41013 | — |
| 5" | 10 | — | 41055 |
| 7" | 10 | — | 41057 |



Angle Grinder



Disc Sander



Portable Grinder



BUFFING COMPOUND BARS & KITS

- **Brown:** Used for buffing aluminum, brass, copper, wood, plastics, hard rubber, and painted surfaces. Also called tripoli rouge.
- **White:** Used for buffing stainless steel, carbon steel, nickel, aluminum, and chromium to a high luster shine.
- **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.
- **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.

| DESCRIPTION | PART # |
|--|--------|
| 1 LB BUFFING COMPOUND BAR BROWN | 41024 |
| 1 LB BUFFING COMPOUND BAR WHITE | 41022 |
| 1 LB BUFFING COMPOUND BAR RED | 41020 |
| 1 LB BUFFING COMPOUND BAR BLACK | 41026 |
| BUFFING COMPOUND KIT (INCLUDES 1 - 6oz BAR OF EACH COLOR) | 41000 |

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

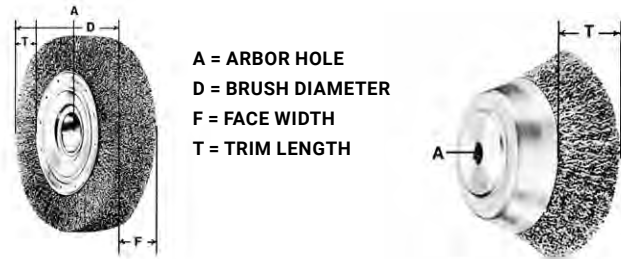
Carbon steel, the most durable, high strength fill material available for general purpose cleaning applications, is suitable for light to heavy duty cleaning depending on the wire diameter.

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



A = ARBOR HOLE
D = BRUSH DIAMETER
F = FACE WIDTH
T = TRIM LENGTH

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

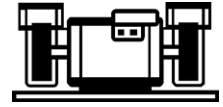


BENCH WIRE WHEELS

- 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

METAL

Additional Arbors Available

| DIA | WIRE SIZE | ARBOR | FACE WIDTH | TRIM LENGTH | MAX RPM | QTY | PACKAGING | |
|-----|-----------|------------|---------------|-------------|---------|-----|-----------|------------|
| | | | | | | | STANDARD | 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

METAL

STAINLESS STEEL

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 | STAINLESS STEEL | | |
|--------------|-----------------|-----------|----------|
| 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" | M10 X 1.5 | CRIMPED | 14,000 | 6 | 01403 | 06403 | — | — |
| 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 | STAINLESS STEEL | | |
|--------------|-----------------|-----------|----------|
| 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 |
| 5" | .020" | 5/8-11 | REGULAR TWIST | 12,000 | 6 | 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 | – | – |
| 3" | .014" | 1/2", 3/8" | REGULAR TWIST | 25,000 | – | – | – | 03376 | 06376 |
| 4" | .014" | 1/2" | REGULAR TWIST | 20,000 | 4 | 03378 | 06378 | – | – |
| 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 | – | – |
| 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

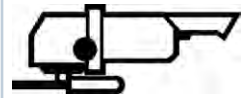


CRIMPED WIRE WHEELS

- For use on small grinders
- Provides flexibility and a wider work face than knot style

CARBON STEEL

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

METAL

STAINLESS STEEL

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

CONCRETE



Street Saw

| DIA | WIRE SIZE | ARBOR | MAX RPM | QTY | PART # |
|-----|-----------|-------------------------|---------|-----|--------|
| 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

STAINLESS STEEL

METAL

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" | CRIMPED | 7/16" | 1-1/4" | 25,000 | 12 | 02712 | 06712 | - | - |
| 2-1/2" | .014" | CIRCULAR FLARED | 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 | 15/16" | 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

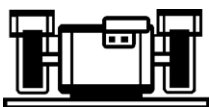
| DIA | ARBOR | TRIM LENGTH | GRIT | MAX RPM | QTY | PART # |
|-----|--------|-------------|------|---------|-----|--------|
| 4" | 5/8-11 | 1-1/2" | 80 | 6,000 | 1 | 04310 |
| 6" | 5/8-11 | 1-1/2" | 80 | 6,000 | 1 | 04340 |



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. Choosing the right bur depends on the material to be ground, grinding speed, desired shape and finish requirements. United Abrasives' burs are precision ground with diamond wheels resulting in a concentric tool with very sharp, uniform teeth. This manufacturing method produces the highest quality bur, properly balanced for vibration-free operation and long tool life. Tungsten burs are best suited for efficient material removal at high RPMs. United Abrasives' burs are made in the U.S.A.

FEATURES

- Tungsten carbide construction for long life and precision cutting
- Highest quality construction for proper balance which delivers vibration-free operation
- Double cut provides smooth operation and maximum tool control
- Non-ferrous burs have an open design for non-loading on softer materials

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



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.

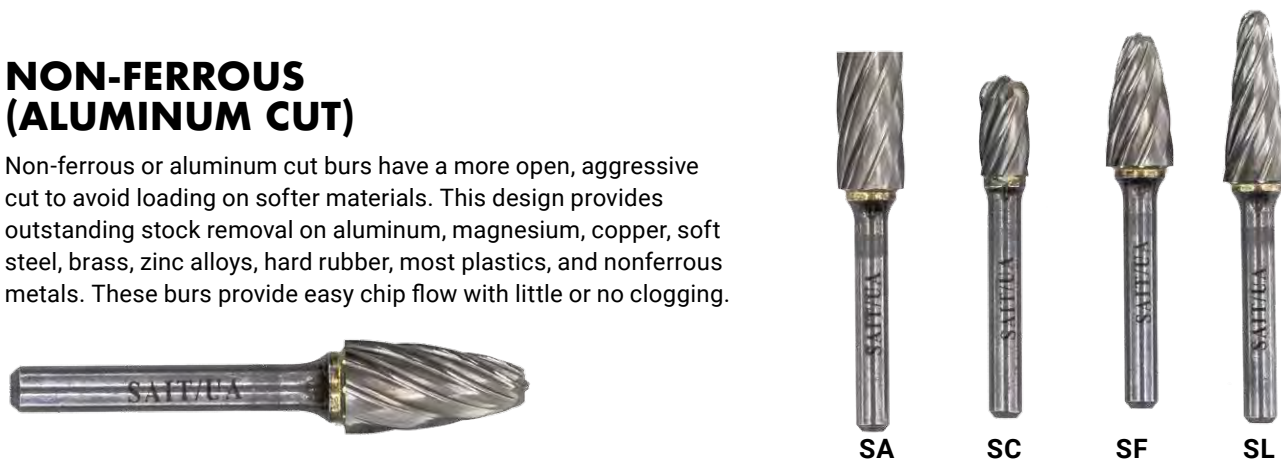
DOUBLE CUT (ALTERNATE CUT)

Double cut or alternate cut is the most popular bur in ferrous applications. Manufactured with cuts made on the left and right spirals, this design produces a finer finish on material producing smaller chips and slivers. The double cut offers much smoother operation and greater tool control.



NON-FERROUS (ALUMINUM CUT)

Non-ferrous or aluminum cut burs have a more open, aggressive cut to avoid loading on softer materials. This design provides outstanding stock removal on aluminum, magnesium, copper, soft steel, brass, zinc alloys, hard rubber, most plastics, and nonferrous metals. These burs provide easy chip flow with little or no clogging.



DOUBLE CUT (ALTERNATE CUT)

| TYPE | DIA | LENGTH | SHANK DIA | QTY | PART # |
|------|-------|---------|-----------|-----|--------|
| SA1 | 1/4" | 5/8" | 1/4" | 1 | 45000 |
| SA3 | 3/8" | 3/4" | 1/4" | 1 | 45001 |
| SA5 | 1/2" | 1" | 1/4" | 1 | 45002 |
| SB1 | 1/4" | 5/8" | 1/4" | 1 | 45111 |
| SB3 | 3/8" | 3/4" | 1/4" | 1 | 45004 |
| SB5 | 1/2" | 1" | 1/4" | 1 | 45113 |
| SC1 | 1/4" | 5/8" | 1/4" | 1 | 45005 |
| SC3 | 3/8" | 3/4" | 1/4" | 1 | 45006 |
| SC5 | 1/2" | 1" | 1/4" | 1 | 45007 |
| SD1 | 1/4" | 7/32" | 1/4" | 1 | 45010 |
| SD3 | 3/8" | 5/16" | 1/4" | 1 | 45011 |
| SD5 | 1/2" | 7/16" | 1/4" | 1 | 45012 |
| SE1 | 1/4" | 3/8" | 1/4" | 1 | 45015 |
| SE5 | 1/2" | 7/8" | 1/4" | 1 | 45016 |
| SF1 | 1/4" | 5/8" | 1/4" | 1 | 45020 |
| SF3 | 3/8" | 3/4" | 1/4" | 1 | 45021 |
| SF5 | 1/2" | 1" | 1/4" | 1 | 45022 |
| SG1 | 1/4" | 5/8" | 1/4" | 1 | 45030 |
| SG3 | 3/8" | 3/4" | 1/4" | 1 | 45031 |
| SG5 | 1/2" | 1" | 1/4" | 1 | 45032 |
| SH1 | 1/4" | 5/8" | 1/4" | 1 | 45115 |
| SH2 | 5/16" | 3/4" | 1/4" | 1 | 45116 |
| SH5 | 1/2" | 1-1/4" | 1/4" | 1 | 45117 |
| SL1 | 1/4" | 5/8" | 1/4" | 1 | 45025 |
| SL3 | 3/8" | 1-1/16" | 1/4" | 1 | 45026 |
| SL4 | 1/2" | 1-1/4" | 1/4" | 1 | 45027 |
| SM1 | 1/4" | 1/2" | 1/4" | 1 | 45035 |
| SM2 | 1/4" | 3/4" | 1/4" | 1 | 45036 |
| SM4 | 3/8" | 3/4" | 1/4" | 1 | 45037 |
| SM5 | 1/2" | 1" | 1/4" | 1 | 45038 |

NON-FERROUS (ALUMINUM CUT)

| TYPE | DIA | LENGTH | SHANK DIA | QTY | PART # |
|-------|------|--------|-----------|-----|--------|
| SA3NF | 3/8" | 3/4" | 1/4" | 1 | 45050 |
| SA5NF | 1/2" | 1" | 1/4" | 1 | 45051 |
| SC3NF | 3/8" | 3/4" | 1/4" | 1 | 45052 |
| SF3NF | 3/8" | 3/4" | 1/4" | 1 | 45053 |
| SF5NF | 1/2" | 1" | 1/4" | 1 | 45054 |
| SL4NF | 1/2" | 1-1/8" | 1/4" | 1 | 45055 |

HEAVY DUTY

| TYPE | DIA | LENGTH | SHANK DIA | QTY | PART # |
|------|------|---------|-----------|-----|--------|
| SA5 | 1/2" | 1" | 1/4" | 1 | 45125 |
| SC5 | 1/2" | 1" | 1/4" | 1 | 45130 |
| SE5 | 1/2" | 7/8" | 1/4" | 1 | 45135 |
| SF3 | 3/8" | 3/4" | 1/4" | 1 | 45140 |
| SF5 | 1/2" | 1" | 1/4" | 1 | 45145 |
| SG5 | 1/2" | 1" | 1/4" | 1 | 45150 |
| SL3 | 3/8" | 1-1/16" | 1/4" | 1 | 45155 |
| SL4 | 1/2" | 1-1/4" | 1/4" | 1 | 45160 |

6" LENGTH SHANK

| TYPE | DIA | LENGTH | SHANK DIA | QTY | PART # |
|-------|-------|--------|-----------|-----|--------|
| SA3L6 | 3/8" | 3/4" | 1/4" | 1 | 45603 |
| SA5L6 | 1/2" | 1" | 1/4" | 1 | 45605 |
| SB1L6 | 1/4" | 5/8" | 1/4" | 1 | 45611 |
| SB3L6 | 3/8" | 3/4" | 1/4" | 1 | 45613 |
| SC3L6 | 3/8" | 3/4" | 1/4" | 1 | 45623 |
| SD1L6 | 1/4" | 3/4" | 1/4" | 1 | 45631 |
| SD3L6 | 3/8" | 7/32" | 1/4" | 1 | 45633 |
| SE5L6 | 1/2" | 7/8" | 1/4" | 1 | 45645 |
| SF3L6 | 3/8" | 3/4" | 1/4" | 1 | 45653 |
| SF5L6 | 1/2" | 1" | 1/4" | 1 | 45655 |
| SG3L6 | 3/8" | 3/4" | 1/4" | 1 | 45663 |
| SG5L6 | 1/2" | 1" | 1/4" | 1 | 45665 |
| SH2L6 | 5/16" | 3/4" | 1/4" | 1 | 45672 |
| SL3L6 | 3/8" | 3/4" | 1/4" | 1 | 45683 |
| SM3L6 | 1/4" | 1" | 1/4" | 1 | 45693 |

6" LENGTH SHANK NON-FERROUS (ALUMINUM CUT)

| TYPE | DIA | LENGTH | SHANK DIA | QTY | PART # |
|---------|------|--------|-----------|-----|--------|
| SC3NFL6 | 3/8" | 3/4" | 1/4" | 1 | 45063 |
| SD3NFL6 | 3/8" | 5/16" | 1/4" | 1 | 45083 |
| SF3NFL6 | 3/8" | 3/4" | 1/4" | 1 | 45073 |

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



Die Grinder

| | |
|--|------------|
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ACCESSORIES

BONDED ABRASIVE ACCESSORIES



TYPE 27 REUSABLE ADAPTER KIT

- For use with Type 27 wheels on 7" and 9" 5/8-11 spindle grinders
- Alternative to a throwaway hub

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 - 5/8" | 95035 |
| 1-7/8" | 95032 | DIA - 1/2" | 95036 |
| 1-3/4" | 95033 | 1/2" - 3/8" | 95037 |



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

| SIZE | PART # |
|--------------|--------|
| 1/4 X 1/4-20 | 95002 |
| 1/4 X 3/8-24 | 95003 |



SPANNER WRENCH

- Adjustable wrench for tightening and loosening center nuts
- Fits all center nuts

PART #

95008

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

| DIA | ARBOR | TYPE | 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 |
| 7" | 5/8-11 | SOFT | 7,000 | 95017 |
| 7" | 5/8-11 | MEDIUM | 8,500 | 95018 |
| 7" | 5/8-11 | HARD | 8,500 | 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 **NEW**



- 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

| SIZE | MAX RPM | PART # |
|-----------------|---------|--------|
| 4-1/2" X 5/8-11 | 18,000 | 95115 |
| 5" X 5/8-11 | 18,000 | 95116 |
| 7" X 5/8-11 | 8,600 | 95117 |
| 9" X 5/8-11 | 6,600 | 95118 |



SAIT-LOK™ BACKING PADS FOR RESIN FIBER DISCS

- Smooth face backing pad for SAIT-LOK™ fiber discs
- Minimizes change-over downtime
- No additional mounting hardware required
- Each pad is supplied with nut and washers

| SIZE | MAX RPM | PART # |
|------------------|---------|--------|
| 4-1/2" X 5/8-11 | 18,000 | 95025 |
| 4-1/2" X 5/8-11* | 18,000 | 95023 |
| 5" X 5/8-11 | 18,000 | 95026 |
| 5" X 5/8-11* | 18,000 | 95024 |
| 7" X 5/8-11 | 8,600 | 95027 |
| 9" X 5/8-11 | 6,600 | 95028 |

* Low profile for short spindles



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 |



SPIRALCOOL™ SAIT-LOK™ & SAIT-LOK-R™ BACKING PADS FOR QUICK CHANGE DISCS ***NEW***

- Unique spiral face increases aggressiveness and improves disc life by staying cooler
- Available in hard density for aggressive cutting action
- Minimizes change-over time
- 1/4" shank

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

| SIZE | MAX RPM | PART # |
|---------------|---------|--------|
| 1" MEDIUM | 40,000 | 95285 |
| 1-1/2" MEDIUM | 25,000 | 95286 |
| 1-1/2" HARD | 25,000 | 95386 |
| 2" MEDIUM | 25,000 | 95287 |
| 2" HARD | 30,000 | 95387 |
| 3" MEDIUM | 20,000 | 95288 |
| 3" HARD | 20,000 | 95388 |



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

| SIZE | MAX RPM | PART # |
|---------------|---------|--------|
| 1-1/2" MEDIUM | 25,000 | 95292 |
| 1-1/2" HARD | 30,000 | 95392 |
| 2" MEDIUM | 25,000 | 95293 |
| 2" HARD | 30,000 | 95393 |
| 3" MEDIUM | 20,000 | 95294 |
| 3" HARD | 20,000 | 95394 |
| 4" MEDIUM | 12,000 | 95295 |



SAIT-LOK™ BACKING PADS FOR QUICK CHANGE DISCS

- For use with SAIT-LOK™ laminated and surface conditioning discs
- Disc twists into metal threaded center of backing pad for fast and easy disc changes
- Available in hard density for aggressive cutting action
- 1/4" shank

| SIZE | MAX RPM | PART # |
|---------------|---------|--------|
| 1" MEDIUM | 40,000 | 95165 |
| 1-1/2" MEDIUM | 25,000 | 95166 |
| 2" MEDIUM | 25,000 | 95167 |
| 2" HARD | 30,000 | 95267 |
| 3" MEDIUM | 20,000 | 95168 |
| 3" HARD | 20,000 | 95268 |



SAIT-LOK-R™ BACKING PADS FOR QUICK CHANGE DISCS

- For use with SAIT-LOK-R™ laminated surface conditioning discs, cotton fiber discs and Encore Mini Flap Discs
- Nylon threaded hub of disc twists into backing pad for secure fit
- Available in hard density for aggressive cutting action
- 1/4" shank

| SIZE | MAX RPM | PART # |
|---------------|---------|--------|
| 1-1/2" MEDIUM | 25,000 | 95171 |
| 1-1/2" HARD | 30,000 | 95271 |
| 2" MEDIUM | 25,000 | 95172 |
| 2" HARD | 30,000 | 95272 |
| 3" MEDIUM | 20,000 | 95173 |
| 3" HARD | 20,000 | 95273 |
| 4" MEDIUM | 12,000 | 95280 |





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

| | SIZE | MAX RPM | PART # |
|------------------|---------------------|---------|--------|
| Portable Grinder | 1 X 1/4 | 30,000 | 95059 |
| | 1-1/2 X 1/4 | 30,000 | 95060 |
| | 2 X 1/4 | 28,000 | 95061 |
| | 3 X 1/4 | 20,000 | 95062 |
| | 4 X 1/4 | 16,000 | 95063 |
| | 5 X 1/4 | 12,000 | 95064 |
| Disc Sander | 5 X 5/16-24 | 10,000 | 95065 |
| | 5 X 5/16-24 5 HOLES | 10,000 | 95085 |
| | 6 X 5/16-24 | 10,000 | 95066 |
| | 6 X 5/16-24 6 HOLES | 10,000 | 95086 |
| Angle Grinder | 8" W/MOUNTING HOLES | 10,000 | 95180 |
| | 7 X 5/8-11 | 4,800 | 95068 |
| | 8 X 5/8-11 | 4,800 | 95067 |



HOOK & LOOP BACKING PADS FOR PAPER DISCS

- For use with Hook & Loop backed paper discs
- Available 5/16-24 thread

| DESCRIPTION | MAX RPM | PART # |
|------------------------|---------|--------|
| 5 X 5/16-24 | 10,000 | 95047 |
| 5 X 5/16-24 5 HOLES | 10,000 | 95057 |
| 5 X 5/16-24 8 HOLES | 10,000 | 95058 |
| 6 X 5/16-24 | 10,000 | 95046 |
| 6 X 5/16-24 6 HOLES | 10,000 | 95056 |
| 8" W/ 5 MOUNTING HOLES | 1,500 | 95185 |
| 8 X 5/8-11 | 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 |



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

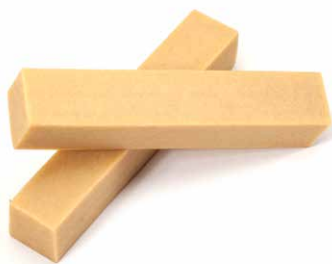


1/4" SHANK THREADED ADAPTER FOR FLAP WHEELS

- 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

SIZE

1-5/8 X 1-5/8 X 8

PART #

95083



HAND SANDING BLOCK

- For use with SAIT-PAK 9" x 11" Sheets

PART #

16000



SPIRAL BAND DRUMS

- For use with spiral bands

| SIZE | MAX RPM | PART # |
|---------------------|---------|--------|
| 1/2 X 1/2 X 1/4 | 30,000 | 95121 |
| 1/2 X 1 X 1/4 | 15,000 | 95122 |
| 1/2 X 1-1/2 X 1/4 | 12,000 | 95123 |
| 3/4 X 1 X 1/4 | 19,000 | 95126 |
| 3/4 X 1-1/2 X 1/4 | 10,000 | 95127 |
| 1 X 1 X 1/4 | 18,000 | 95130 |
| 1-1/2 X 1 X 1/4 | 14,000 | 95133 |
| 1-1/2 X 1-1/2 X 1/4 | 10,000 | 95134 |
| 2 X 2 X 1/4 | 6,000 | 95137 |
| 3 X 3 X 1/4 | 3,000 | 95140 |



CARTRIDGE ROLL MANDRELS

- For use with straight and full taper cartridge rolls

| SIZE | PART # |
|--------------------|--------|
| 1/4 X 1-1/2 X 1/4 | 95101 |
| 1/4 X 1 X 1/4 | 95102 |
| 1/8 X 1-1/2 X 1/4 | 95103 |
| 1/8 X 1 X 1/4 | 95104 |
| 1/8 X 3/4 X 1/4 | 95105 |
| 3/16 X 1-1/2 X 1/4 | 95106 |
| 3/16 X 1 X 1/4 | 95107 |
| 3/32 X 3/4 X 1/8 | 95108 |



CROSS PAD & SQUARE PAD MANDRELS

- For use with cross and square pads
- 1/4" shank

| SIZE | PART # |
|--------|--------|
| 3-48 | 95095 |
| 8-32 | 95096 |
| 1/4-20 | 95097 |

NON-WOVEN ACCESSORIES



CONVOLUTE WHEEL AND NON-WOVEN FLAP BRUSH REDUCING BUSHING

- Re-usable reducing bushings for use with convolute wheels and flap brushes
- Packaged per pair

| DESCRIPTION | PART # |
|---|--------|
| 1" OD TO 3/4" ID FOR USE WITH 6" DIAMETER CONVOLUTE WHEEL | 95210 |
| 3" OD TO 1-1/4" ID FOR USE WITH 8" DIAMETER CONVOLUTE WHEELS & NON-WOVEN FLAP BRUSHES | 95232 |



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

| | SIZE | MAX RPM | PART # |
|------------------|----------------|---------|--------|
| Portable Grinder | 4 X 1/4 | 15,000 | 95154 |
| | 5 X 1/4 | 10,000 | 95153 |
| Disc Sander | 4 X 5/16-24 | 10,000 | 95157 |
| | 5 X 5/16-24 | 10,000 | 95155 |
| | 6 X 5/16-24 | 10,000 | 95156 |
| Angle Grinder | 4-1/2 X 5/8-11 | 6,000 | 95159 |
| | 5 X 5/8-11 | 6,000 | 95160 |
| | 6 X 5/8-11 | 6,000 | 95161 |
| | 7 X 5/8-11 | 4,800 | 95162 |
| | 8 X 5/8-11 | 4,800 | 95163 |



SUPER SOFT BUFFING DISC BACKING PADS

- For use with buffing discs
- Available in 5" & 7" with 5/8-11 thread

| DESCRIPTION | MAX RPM | PART # |
|------------------------|---------|--------|
| 5" SUPER SOFT FOAM PAD | 3,200 | 95255 |
| 7" SUPER SOFT FOAM PAD | 3,200 | 95257 |



BUFFING COMPOUND BARS & KITS

- **Brown:** Used for buffing aluminum, brass, copper, wood, plastics, hard rubber, and painted surfaces. Also called tripoli rouge.
- **White:** Used for buffing stainless steel, carbon steel, nickel, aluminum, and chromium to a high luster shine.
- **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.
- **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.

| DESCRIPTION | PART # |
|---|--------|
| 1 LB BUFFING COMPOUND BAR BROWN | 41024 |
| 1 LB BUFFING COMPOUND BAR WHITE | 41022 |
| 1 LB BUFFING COMPOUND BAR RED | 41020 |
| 1 LB BUFFING COMPOUND BAR BLACK | 41026 |
| BUFFING COMPOUND KIT (INCLUDES 1 - 6oz BAR OF EACH COLOR) | 41000 |



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

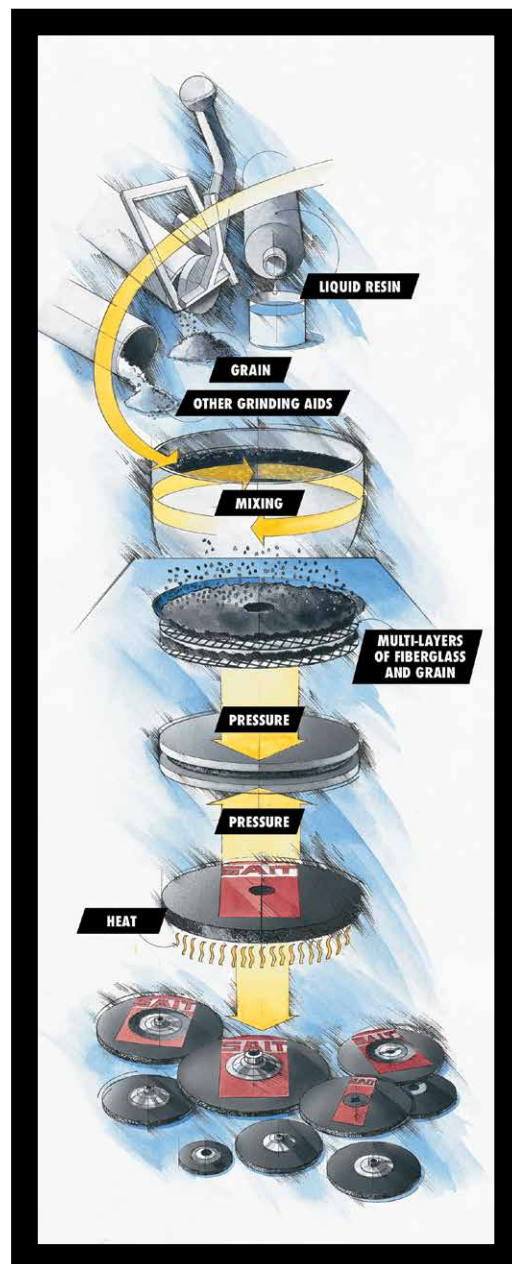
The bonding agent that holds the grains together determines the resistance of the wheel.

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

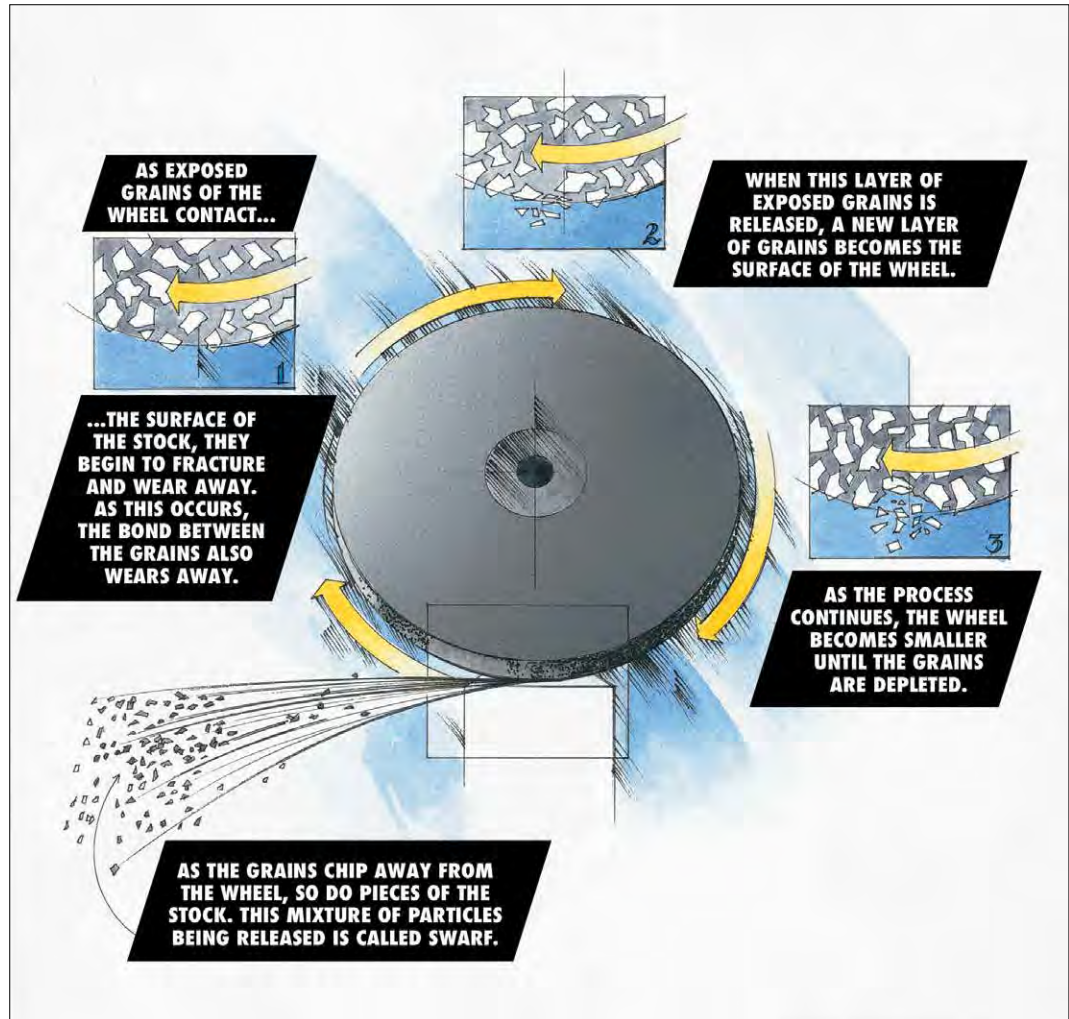
During the manufacturing process, these three components are combined to form an abrasive tool. The grains and bonding agents are measured, combined and then pressed in an automated hydraulic press. The items are then cured in temperature controlled ovens.



THE
UNITED
ABRASIVES
SAIT
DIFFERENCE

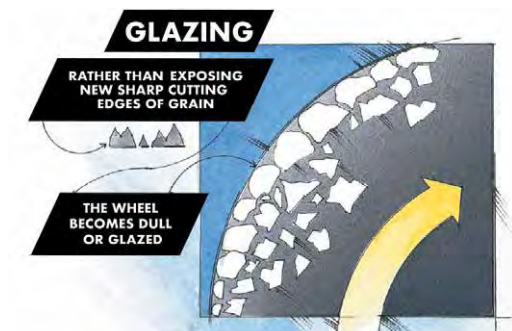
- Only uses first quality, premium grains that are made to our specifications
- Never uses inferior fillers or bonding agents
- Always uses first quality, heavy duty fiberglass to ensure your safety
- The manufacturing process, from start to finish, incorporates state-of-the-art equipment, quality control 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

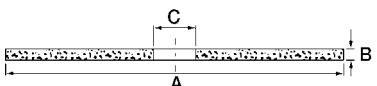
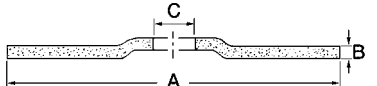
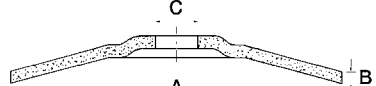
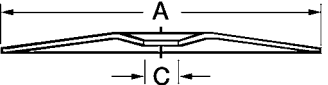
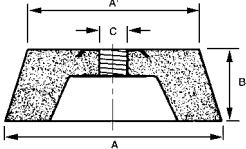
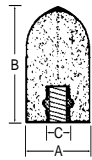
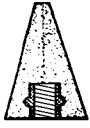

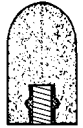
The following chart is an example of the ANSI standard marking system for identifying grinding wheels and other bonded abrasives.

| A | 25 | | | | 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 | B = Resinoid |
| A = Aluminum Oxide | 8 | 30 | 70 | 220 | Medium | BF = Resinoid Reinforced |
| C = Silicon Carbide | 10 | 36 | 80 | 240 | | E = Shellac |
| Z = Alumina Zirconium | 12 | 46 | 90 | 280 | | O = Oxychloride |
| SG = Seeded Gel | 14 | 54 | 100 | 320 | | R = Rubber |
| | 16 | 60 | 120 | 400 | Hard | RF = Rubber Reinforced |
| | 20 | | 150 | 500 | | S = Silicate |
| | 24 | | 180 | 600 | | V = Vitrified |

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:

| | | |
|---|--|---|
| TYPE 1 / TYPE 41 – STRAIGHT WHEEL  | TYPE 27 / TYPE 42 – DEPRESSED CENTER WHEEL  | TYPE 28 – SAUCER-SHAPED WHEEL  |
| TYPE 29 – FLEXIBLE WHEEL  | TYPE 11 – FLARING CUP WHEEL  | TYPE 16 – ROUNDED CONE  |
| TYPE 17 – STRAIGHT-SIDED CONE  | TYPE 18 – PLUG  | TYPE 18R – ROUND PLUG  |

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

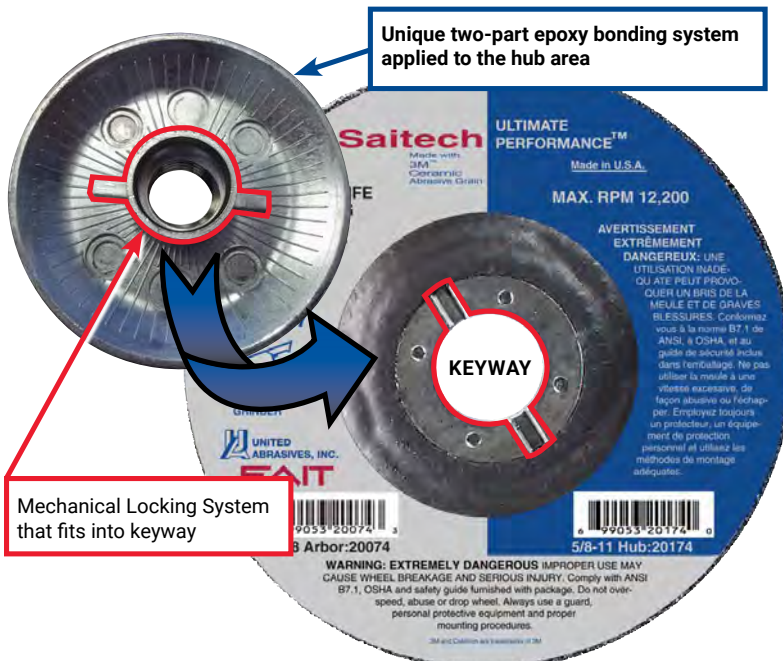
The Super-Lock™ Hub System is available on 4-1/2", 5", 6", 7" and 9" Type 27 and Type 28 depressed center grinding and cutting wheels. Turbo 5" x 1/8", .045" wheels, .090" wheels, .095" wheels and flap discs do not have Super-Lock™ Hubs but use a non-keyway hub with the same unique two-part bonding system.

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.

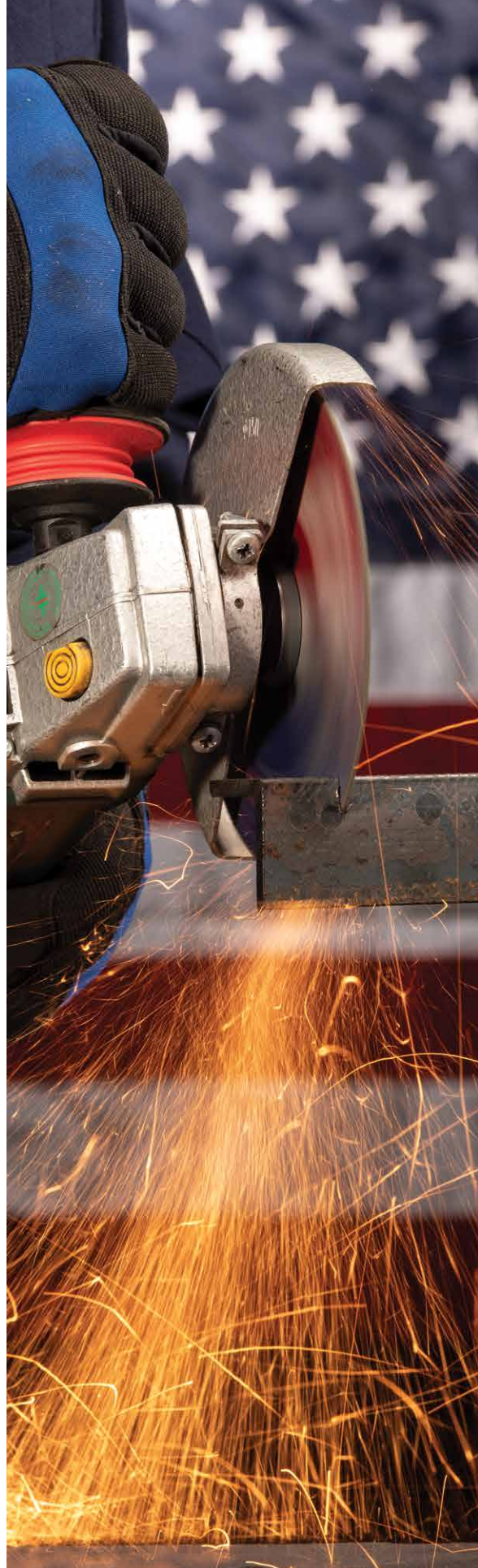
The following rules, which are based on experience, shall be observed:

- 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



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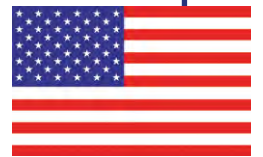
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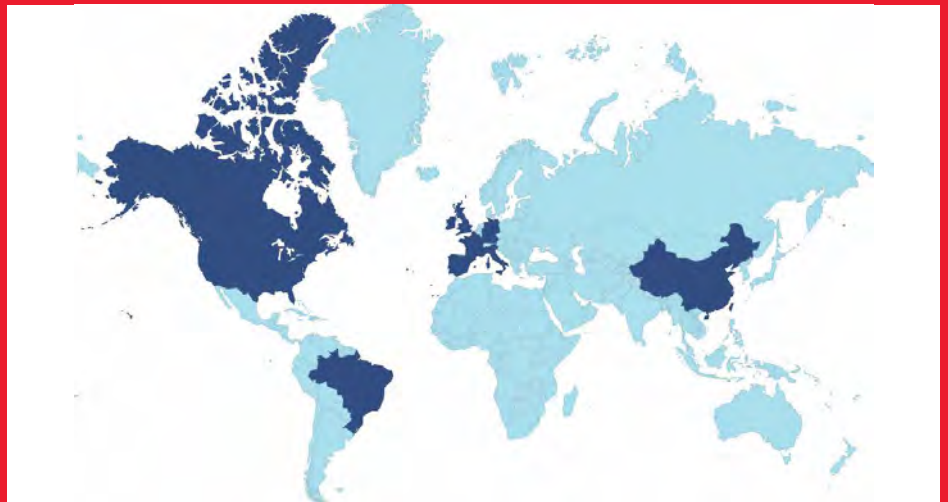
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