

SUPERIOR *Abrasives*

Product Guide & Reference Manual



INDEX

Mission Statement...

Our ambition is to separate ourselves from the common manufacturer. To institute integrity and honor during our relentless pursuit of new and profitable markets. To develop new and innovative products and processes based on our customers' needs. It is our intent to create an enjoyable working environment based solely on our uncompromising commitment to our boss, the customer!



CATALOG #23
EFFECTIVE JANUARY 2, 2009
SUPERCEDES ALL PREVIOUS LITERATURE
U.S. GOVERNMENT CAGE CODE #5N865
For conditions of sales, see back inside cover.



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SUPERIOR
Abrasives
We Finish The Job!

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E-mail: sales@superiorabrasives.com / www.superiorabrasives.com



SHUR-BRITE® COMPETITIVE CROSS-REFERENCE

| STANDARD BRITE RITE® | NORTON BEAR-TEX® | 3M SCOTCH-BRITE® | SUPERIOR SHUR-BRITE® |
|--|---------------------------|----------------------------|---------------------------------|
| <u>SURFACE CONDITIONING DISCS</u> | | | |
| GP Coarse | SCF / STE Coarse | Scrim Coarse | GD Coarse (Tan) |
| GP Medium | SCF / STE Medium | Scrim Medium | GD Medium (Maroon) |
| GP Very Fine | SCF / STE Very Fine | Scrim Very Fine | GD Very Fine (Blue) |
| — | — | Scrim S-Super Fine | GD Super Fine (Gray) |
| FE Coarse | — | — | FD Coarse (Tan) |
| FE Medium | — | — | FD Medium (Maroon) |
| FE Very Fine | — | — | FD Very Fine (Blue) |
| — | — | — | FD S-Super Fine (Gray) |
| Rapid Cut Coarse | — | — | CC Coarse (Tan) |
| Rapid Cut Medium | — | — | CC Medium (Maroon) |
| Rapid Cut Very Fine | — | — | FD Very Fine (Blue) |
| — | STE-CS Coarse | SE Coarse | XE Coarse (Tan) |
| — | — | SE Medium | XE Medium (Maroon) |
| <u>SURFACE CONDITIONING BELTS</u> | | | |
| FE Coarse | — | SE Coarse | FLX Coarse (Tan) |
| FE Medium | — | SE Medium | FLX Medium (Maroon) |
| FE Very Fine | — | SE Very Fine | FLX Very Fine (Blue) |
| FE / Rapid Cut Coarse | L.S. Coarse | L.S. Coarse | L.S. Coarse (Tan) |
| FE / Rapid Cut Medium | L.S. Medium | L.S. Medium | L.S. Medium (Maroon) |
| FE / Rapid Cut Very Fine | L.S. Very Fine | L.S. Very Fine | L.S. Very Fine (Blue) |
| — | — | — | L.S. S-Super Fine (Gray) |
| — | — | Film Back Coarse | CB - Coarse (Tan) |
| — | — | Film Back Medium | CB - Medium (Maroon) |
| — | — | — | CB - Very Fine (Blue) |
| — | — | — | FLT - Buff (White) |
| <u>FINISHING MATERIAL</u> | | | |
| — | — | Cut & Polish | Extra Cut A-Coarse (Tan) |
| G.P. Medium A/O | Standard Medium A/O | Clean Finish Medium A/O | Heavy Duty A-Medium (Maroon) |
| G.P. Fine A/O | Standard Fine A/O | Clean & Finish Fine A/O | Heavy Duty A-Fine (Maroon) |
| G.P. V. Fine A/O | Standard V-Fine A/O | Clean & Finish V. Fine A/O | Heavy Duty A-V.F. (Maroon) |
| Medium A/O Type F | High Strength Med. | High Strength Med. A/O | High Strength A-Med. (Maroon) |
| High Strength Fine | — | — | High Strength A-Fine (Maroon) |
| High Strength V. Fine A/O | High Strength V.F. | High Strength V. Fine A/O | High Strength A-V.F. (Maroon) |
| <u>HAND PADS</u> | | | |
| General Purpose A/O | General Purpose #747 | General Purpose #7447 | General Purpose-A/O (Maroon) |
| Heavy Duty A/O | Heavy Duty #740 | Heavy Duty #7440 | Heavy Duty-A/O (Tan) |
| Ultra Fine S/C | Final Shine #748 | Ultra Fine S/C #7448 | Ultra Fine-S/C (Gray) |
| Industrial | Scouring #796 | Industrial #96 | Industrial Scouring-A/O (Green) |
| Cleaning | Cleaning Pad #456 | Cleaning Pad #7445 | Cleaning-Non Abrasive (White) |
| <u>CONVOLUTE WHEELS</u> | | | |
| Deburring 8AM | 8AM Series 1000 | EXL Deburring 8A Medium | Deburring 8A Med. |
| — | — | — | Deburring 9A Med. |
| Deburring 8SF | 8SF Series 1000 | EXL Deburring 8S Fine | Deburring 8S Fine |
| Deburring 9SF | 9SF Series 1000 | EXL Deburring 9S Fine | Deburring 9S Fine |
| — | 8AM Series 4000 | EX2 Deburring 8A Med. | XE Deburring 9A Med. |
| — | 9SF Series 4000 | EX2 Deburring 9S Fine | XE Deburring 10S Fine |
| General Purpose 7AM | 7AM | General Purpose 6A Med. | Light Deburring 7A Med. |
| General Purpose 7AF | 7AF | — | Light Deburring 7A Fine |
| General Purpose 7SF | 7SF | Light Deburring 7S Fine | Light Deburring 7S Fine |
| — | — | General Purpose 6S Fine | Light Deburring 6S Fine |
| Metal Finishing 5A Coarse | Metal Finishing 5A Coarse | Metal Finishing 5A Coarse | Metal Finishing 6A Coarse |
| Metal Finishing 5A Medium | Metal Finishing 5A Medium | Metal Finishing 5A Medium | Metal Finishing 6A Medium |
| Final Finishing | Clean & Finish | Multi Finish | Multi-Cleaning |
| — | — | — | Final Polishing 2S Very Fine |
| <u>UNITIZED WHEELS</u> | | | |
| 521 | UW1-2AMED | EXL 2A Medium | XL Unitized 2A Medium |
| 531 | UW1-2A | EXL 2A Fine | XL Unitized 2A Fine |
| — | — | EXL 8A Coarse | XL Unitized 8A Coarse |
| — | — | EXL 8A Medium | XL Unitized 8A Medium |
| 721 | UW1-6AM | EXL 6A Medium | XL Unitized 6A Medium |
| 632 | UW1-6SF | EXL 6S Fine | XL Unitized 6S Fine |
| 532 & 524 | UW1-2SF | EXL 2S Fine | XL Unitized 2S Fine |

SHUR-BRITE®

SURFACE CONDITIONING PRODUCTS



FD



FD or Finish Duty products enable the operator to prepare the work piece with a required surface finish.

FEATURES:

- Provide a consistent cut rate
- Maintain a repeatable measured finish
- Added flexibility

GD



GD or Grind Duty products provide an aggressive cut when a specific finish is not needed.

FEATURES:

- Aggressively blend welds and remove burrs
- Sustain a high cut rate
- Maintain a durable edge

FLEX



FLEX is a highly flexible surface conditioning material specially formulated to ensure outstanding grain retention.

FEATURES:

- Perfect for Dynaflex® tools
- Great edge wear for demanding jobs
- Aggressively maintains a consistent finish

XE



XE or High Performance products feature added Ceramic grain for extended durability and aggression.

FEATURES:

- Highest stock removal
- Firm cutting action for flat surfaces
- Long life

CC



CC or Cost Control products enables the user to maintain a constant finish while watching costs.

FEATURES:

- High initial cut rate
- Consistent finish
- Added value

LS



LS or Low Stretch surface conditioning material is designed to resist stretching for precise, repeatable finishes.

FEATURES:

- Ideal for CNC robotic applications
- Great edge wear for demanding jobs
- Aggressively maintains a consistent finish

SUPERIOR ABRASIVES SURFACE CONDITIONING SOLUTIONS

Surface conditioning material is comprised of several components which drive the product's performance. It's scrim, or woven substrate, supports a nylon fibrous mesh. The nylon fibers are the cushioning foundation which carries the grain media providing the cutting action. The grain composition is bonded to the filaments with a complex resin chemistry. The open construction of non-woven material enables aggressive cutting action while inherently maintaining a cooler performing tool.

GRIT COMPARISON CHART

| | Grain** | Color | FD | GD | FLEX | XE* | CC | LS |
|------------|---------|--------|---------|---------|---------|--------|--------|---------|
| Coarse | A/O | Brown | 60 | 50-60 | 60 | 50-60 | 60 | 50-60 |
| Medium | A/O | Maroon | 80-120 | 60-100 | 80-120 | 60-100 | 80-120 | 60-100 |
| Very Fine | A/O | Blue | 180-240 | 180-220 | 180-240 | — | — | 180-220 |
| Super Fine | S/C | Gray | 240-320 | 220-320 | — | — | — | 220-320 |

*XE material also contains Ceramic grain combined with A/O

**A/O = Aluminum Oxide

**SC = Silicon Carbide

MATERIAL CHARACTERISTICS

| Material | Consistent Finish | Most Aggressive | Longest Life |
|----------|-------------------|-----------------|--------------|
| FD | → | → | → |
| GD | → | → | → |
| FLEX | → | → | → |
| XE | → | → | → |
| CC | → | → | → |
| LS | → | → | → |

Use our handy application chart to guide you to the right tool for the job!

Application Symbols

Good



Better



Best



GENERAL APPLICATION GUIDE

| Applications | FD | GD | XE | CC |
|---|----|----|----|----|
| General Deburring | ● | ● | ● | ● |
| Heavy Stock Removal | ○ | ● | ● | ○ |
| Removal of Weld Splatter | ◐ | ● | ● | ◐ |
| Removal of Flashing | ◐ | ● | ● | ◐ |
| Blending of Parting Lines | ● | ◐ | ○ | ● |
| Blending of Tool Marks | ● | ◐ | ○ | ● |
| Blending Coated Abrasive Scratch Patterns | ● | ○ | ○ | ● |
| Cleaning up Corrosion | ● | ● | ● | ● |
| Removing Paint | ● | ○ | ○ | ● |
| Coating Removal | ◐ | ◐ | ◐ | ● |
| Removal of Gaskets and Adhesives | ◐ | ○ | ○ | ● |
| Removal of Scale | ● | ● | ● | ● |
| Surface Preparation Before Plating | ● | ● | ● | ● |

PRODUCT GUIDE

| Product | FD | GD | XE | CC | FLEX | LS |
|-------------|-----|-----|-----|-----|------|-----|
| Discs | Yes | Yes | Yes | Yes | No | No |
| Belts | Yes | Yes | Yes | No | Yes | Yes |
| Specialties | Yes | Yes | No | No | Yes | No |

SURFACE CONDITIONING PRODUCTS

Material description page 3

FD GD QUICK CHANGE DISCS

| Characteristics/Applications | FD | Materials | GD | Tool Selector |
|--|---|--|--|---------------|
| <ul style="list-style-type: none"> • Deburring • Stock removal • Blending • Weld splatter removal • Scale removal • Rust removal | <ul style="list-style-type: none"> ● ● ● ● ● | <ul style="list-style-type: none"> • Ferrous • Non-Ferrous • Stainless • Exotics • Plastics • Metal Matrix | <ul style="list-style-type: none"> ● ● ● ● ○ ● | |



| SIZE | GRIT | STD. PKG. | TYPE "S" | | TYPE "R" | | PRICE EACH |
|--------|--------------|-----------|-----------|-----------|-----------|-----------|------------|
| | | | FD PART # | GD PART # | FD PART # | GD PART # | |
| 1 1/2" | A-Coarse | 100 | 10541 | 10541B | 10550 | 10550B | \$.79 |
| | A-Med. | | 10542 | 10542B | 10551 | 10551B | .78 |
| | A-V.F. | | 10543 | 10543B | 10552 | 10552B | .78 |
| | S-Super Fine | | 38456 | 38456B | 38459 | 38459B | .78 |
| 2" | A-Coarse | 50 | 10544 | 10544B | 10553 | 10553B | 1.03 |
| | A-Med. | | 10545 | 10545B | 10554 | 10554B | .99 |
| | A-V.F. | | 10546 | 10546B | 10555 | 10555B | .99 |
| | S-Super Fine | | 38457 | 38457B | 38460 | 38460B | .99 |
| 3" | A-Coarse | 25 | 10547 | 10547B | 10556 | 10556B | 1.81 |
| | A-Med. | | 10548 | 10548B | 10557 | 10557B | 1.74 |
| | A-V.F. | | 10549 | 10549B | 10558 | 10558B | 1.74 |
| | S-Super Fine | | 38458 | 38458B | 38461 | 38461B | 1.74 |
| 4" | A-Coarse | 25 | — | — | 32120 | 32120B | 2.68 |
| | A-Med. | | — | — | 18354 | 18354B | 2.57 |
| | A-V.F. | | — | — | 18353 | 18353B | 2.57 |
| | S-Super Fine | | — | — | 41382 | 41382B | 2.57 |

Mounting Systems



Type "R"



Type "S"

Test Kits - Page 52.

XE QUICK CHANGE DISCS



| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> • Weld grinding & splatter removal • Firm cutting action for flat surfaces • Heavy deburring • Heavy rust removal • Heavy scale removal • Laser cut edge deburring | <ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ● Stainless ● Exotics ○ Plastics ○ Metal Matrix | |

| SIZE | GRIT | STD. PKG. | TYPE "S" PART # | TYPE "R" PART # | PRICE EACH |
|--------|-----------|-----------|-----------------|-----------------|------------|
| 1 1/2" | CA-Coarse | 100 | 40412 | 40418 | \$.85 |
| | CA-Med. | | 40413 | 40419 | .82 |
| 2" | CA-Coarse | 50 | 40414 | 40420 | 1.11 |
| | CA-Med. | | 40415 | 40421 | 1.04 |
| 3" | CA-Coarse | 25 | 40416 | 40422 | 1.98 |
| | CA-Med. | | 40417 | 40423 | 1.85 |
| 4" | CA-Coarse | 25 | — | 41383 | 2.73 |
| | CA-Med. | | — | 41384 | 2.61 |

Cc QUICK CHANGE DISCS

| Characteristics/Applications | Materials | Tool Selector |
|--|---|---------------|
| <ul style="list-style-type: none"> • Adhesive and gasket removal • Light blending • Light deburring • Oxidation removal • Scale removal | <ul style="list-style-type: none"> ○ Ferrous ● Non-Ferrous ● Stainless ● Plastics ● Composites | |

| SIZE | GRIT | STD. PKG. | TYPE "S" PART # | TYPE "R" PART # | PRICE EACH |
|------|----------|-----------|-----------------|-----------------|------------|
| 2" | A-Coarse | 50 | 45118 | 44333 | \$.75 |
| | A-Med. | | 45119 | 44334 | .70 |
| 3" | A-Coarse | 25 | 45120 | 44335 | 1.00 |
| | A-Med. | | 45121 | 44336 | .95 |



Disc Holders - Page 23.

SURFACE CONDITIONING PRODUCTS

Material description page 3



HOOK 'N LOOP

| Characteristics/Applications | FD | Materials | GD | Tool Selector |
|--|---|--|---|---------------|
| <ul style="list-style-type: none"> Deburring Stock removal Blending Weld splatter removal Scale removal Rust removal | <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> | Ferrous Non-Ferrous Stainless Exotics Plastics Composites Metal Matrix | <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> | |



| SIZE | GRIT | STD. PKG. | FD PART # | GD PART # | PRICE EACH | HOOK 'N LOOP DISC HOLDERS | PART # | PRICE EACH |
|-------------------------|--------------|-----------|-----------|-----------|------------|----------------------------------|--------|------------|
| 4" | A-Coarse | 20 | 10577 | 10577B | \$2.65 | 4" x 1/4" Shank 4" x 5/8 - 11 | 10598 | \$13.52 |
| | A-Med. | | 10578 | 10578B | 2.48 | | 10599 | 29.52 |
| | A-V.F. | | 10579 | 10579B | 2.48 | | | |
| | S-Super Fine | | 38799 | 38799B | 2.48 | | | |
| 4 1/2" | A-Coarse | 20 | 10580 | 10580B | 2.76 | 4 1/2" x 5/8 - 11 | 10600 | 29.52 |
| | A-Med. | | 10581 | 10581B | 2.59 | | | |
| | A-V.F. | | 10582 | 10582B | 2.59 | | | |
| | S-Super Fine | | 38800 | 38800B | 2.59 | | | |
| 4 1/2" x 7/8" AH | A-Coarse | 20 | 41323 | 41323B | 2.76 | See page 47 for nut and pad | | |
| | A-Med. | | 42774 | 42774B | 2.59 | | | |
| 5" | A-Coarse | 20 | 10583 | 10583B | 3.42 | 5" x 5/8 - 11 5" x 5/16 - 24 | 10601 | 29.52 |
| | A-Med. | | 10584 | 10584B | 2.84 | | 10602 | 20.99 |
| | A-V.F. | | 10585 | 10585B | 2.84 | | | |
| | S-Super Fine | | 38801 | 38801B | 2.84 | | | |
| 5" x 7/8" AH | A-Coarse | 20 | 27147 | 27147B | 3.42 | See page 47 for nut and pad | | |
| | A-Med. | | 35599 | 35599B | 2.84 | | | |
| 7" | A-Coarse | 20 | 10589 | 10589B | 5.85 | 7" x 5/8 - 11 | 10605 | 30.62 |
| | A-Med. | | 10590 | 10590B | 5.06 | | | |
| | A-V.F. | | 10591 | 10591B | 5.06 | | | |
| | S-Super Fine | | 38802 | 38802B | 5.06 | | | |
| 8" | A-Coarse | 20 | 10592 | 10592B | 7.71 | 8" x 5/8 - 11 | 10606 | 32.28 |
| | A-Med. | | 10593 | 10593B | 6.02 | | | |
| | A-V.F. | | 10594 | 10594B | 6.02 | | | |
| | S-Super Fine | | 38803 | 38803B | 6.02 | | | |

Other sizes available.

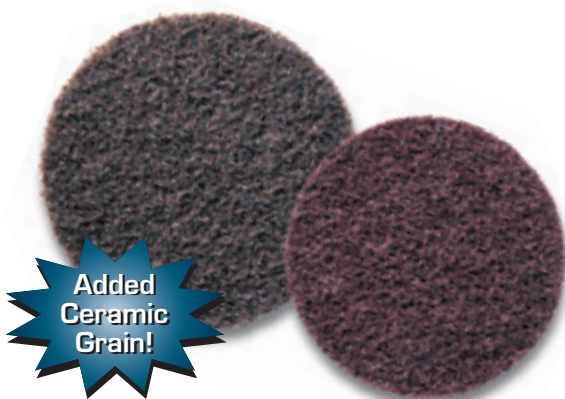
XE HOOK 'N LOOP

HIGH PERFORMANCE

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> Weld blending & splatter removal Firm cutting action for flat surfaces Heavy deburring Oxidation removal Heavy flash removal | <input type="radio"/> Ferrous <input type="radio"/> Non-Ferrous <input type="radio"/> Stainless <input type="radio"/> Exotics <input type="radio"/> Plastics <input type="radio"/> Metal Matrix | |

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH |
|-------------------------|-----------|-----------|--------|------------|
| 4" | CA-Coarse | 20 | 40402 | \$2.80 |
| | CA-Med. | | 40403 | 2.68 |
| 4 1/2" | CA-Coarse | 20 | 40404 | 3.24 |
| | CA-Med. | | 40405 | 3.16 |
| 4 1/2" x 7/8" AH | CA-Coarse | 20 | 46571 | 3.24 |
| | CA-Med. | | 46572 | 3.16 |
| 5" | CA-Coarse | 20 | 40406 | 3.87 |
| | CA-Med. | | 40407 | 3.72 |
| 5" x 7/8" AH | CA-Coarse | 20 | 40568 | 3.87 |
| | CA-Med. | | 40569 | 3.72 |
| 7" | CA-Coarse | 20 | 40408 | 6.87 |
| | CA-Med. | | 40409 | 6.53 |
| 8" | CA-Coarse | 20 | 40410 | 8.15 |
| | CA-Med. | | 40411 | 7.72 |


Other sizes available.

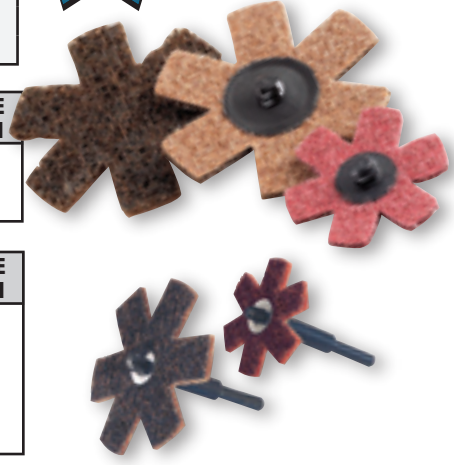


SURFACE CONDITIONING PRODUCTS

Material description page 3

FD GD STARS - A/O

| Characteristics/Applications | Materials | Tool Selector |
|---|--|--|
| <ul style="list-style-type: none"> ID cleaning of tubes & cylindrical parts ID deburring of drilled holes Edge deburring of cut cylindrical parts Leaves a consistent finish Sanding an ID to specific size Chamfering recessed areas | <ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Exotics ● Composites |  |



| SIZE | STD. PKG. | GD COARSE PART # | GD MEDIUM PART # | GD VERY FINE PART # | PRICE EACH |
|------|-----------|------------------|------------------|---------------------|------------|
| 2" | 50 | 45590 | 45591 | 45592 | \$2.19 |
| 3" | 25 | 45594 | 45595 | 45596 | 3.52 |
| 4" | 25 | 45598 | 45599 | 45600 | 5.49 |

| SIZE | EYELET | STD. PKG. | FD COARSE PART # | FD MEDIUM PART # | FD VERY FINE PART # | PRICE EACH |
|--------|--------|-----------|------------------|------------------|---------------------|------------|
| 1 1/2" | 1/4-20 | 50 | 28832 | 28833 | 28834 | \$1.93 |
| 2" | 1/4-20 | 50 | 28835 | 28836 | 28837 | 2.38 |
| 3" | 1/4-20 | 25 | 28838 | 28839 | 28840 | 3.81 |
| 4" | 1/4-20 | 25 | 28841 | 28842 | 28843 | 5.95 |
| 4 1/2" | 1/4-20 | 25 | 28844 | 28845 | 28846 | 7.18 |
| 5" | 1/4-20 | 25 | 36910 | 38443 | 38444 | 10.12 |


Other sizes available.

GD FLAP DISCS - A/O

Type 27

Flat Face

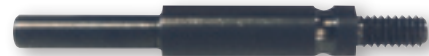


| Characteristics/Applications | Materials | Tool Selector |
|--|--|---|
| <ul style="list-style-type: none"> Blending scratch patterns after resin fibre disc or flap disc operation Firm cutting action for flat surfaces Removal of oxidation and surface treatments Weld cleaning Great for machine refurbishing | <ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Exotics ○ Plastics ● Metal Matrix ● Wood |  |

| SIZE | STD. PKG. | COARSE PART # | MEDIUM PART # | VERY FINE PART # | PRICE EACH |
|-----------------|-----------|---------------|---------------|------------------|------------|
| 4 1/2" x 7/8" | 5 | 46582 | 46583 | 46584 | \$11.70 |
| 4 1/2" x 5/8-11 | 5 | 46640 | 46641 | 46642 | 13.36 |

MANDREL SIZES

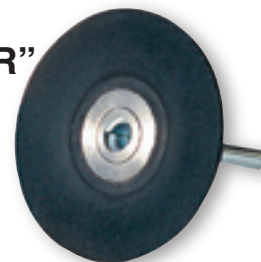
| STYLE | DESCRIPTION | PART # | PRICE EA. |
|-------|-----------------------------|--------|-----------|
| EM-4 | 1/4-20 x 3" Long - 1/4" SK. | 12219 | \$3.90 |
| EM-46 | 1/4-20 x 6" Long - 1/4" SK. | 42815 | 10.28 |



HOLDERS - 1/4" SHANK

| STYLE | DESCRIPTION | PART # | PRICE EA. |
|--------|---------------------|--------|-----------|
| 1" | MED. Fits 2" Star | 11273 | \$7.30 |
| 1 1/2" | MED. Fits 3" Star | 11274 | 8.23 |
| 2" | SOFT Fits 4" Star | 11275 | 8.38 |
| SK-144 | 1/4" x 4" Long Ext. | 39207 | 3.65 |
| SK-146 | 1/4" x 6" Long Ext. | 39208 | 3.89 |
| SK-148 | 1/4" x 8" Long Ext. | 39209 | 4.06 |

Type "R"



Extension

SURFACE CONDITIONING PRODUCTS

Material description page 3

FLEX BELTS - A/O



| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> • Highly flexible with outstanding edge durability • Great for mold and die work • Creates linear scratch pattern or stainless for the food equipment industry • Removes oxidation, paint, and adhesives leaving a smear-free finish • Weld splatter and scale removal • Blending in tool marks or removing discoloration created by heat • Reduces surface roughness and re-orient surface scratch patterns | <ul style="list-style-type: none"> ● Ferrous ◐ Non-Ferrous ● Stainless ◐ Plastics ● Metal Matrix ● Exotics ● Composites | |

| BELT SIZE | STD. PKG. | COARSE PART # | COARSE PRICE EA. | MEDIUM PART # | MEDIUM PRICE EA. | VERY FINE PART # | VERY FINE PRICE EA. |
|------------------|-----------|---------------|------------------|---------------|------------------|------------------|---------------------|
| 1/2" x 18" | 24 | 10607 | \$4.01 | 10608 | \$3.93 | 10609 | \$3.93 |
| 1/2" x 24" | 20 | 10610 | 4.21 | 10611 | 4.14 | 10612 | 4.14 |
| 3/4" x 18" | 20 | 10613 | 4.61 | 10614 | 4.52 | 10615 | 4.52 |
| 3/4" x 20 1/2" | 20 | 10616 | 5.18 | 10617 | 5.08 | 10618 | 5.08 |
| 2 3/4" x 15 1/2" | 10 | 10619 | 14.58 | 10620 | 12.68 | 10621 | 12.68 |
| 3" x 10 11/16" | 10 | 30069 | 13.79 | 18512 | 12.00 | 30070 | 12.00 |
| 3" x 21" | 8 | 21341 | 19.59 | 21342 | 17.03 | 24603 | 17.03 |
| 3" x 24" | 8 | 10646 | 20.13 | 10647 | 17.50 | 10648 | 17.50 |
| 3 1/2" x 15 1/2" | 10 | 10622 | 16.84 | 10623 | 14.63 | 10624 | 14.63 |
| 4" x 24" | 6 | 10652 | 21.67 | 10653 | 18.85 | 10654 | 18.85 |

Other sizes available.

LS BELTS - A/O

| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> • High edge durability for deburring • Weld blending creating a smooth surface profile • Surface preparation with a linear grain scratch pattern • Ideal for robotic applications when consistent repeatable finish is needed • Weld splatter and scale removal • Blending tool marks or removing discoloration created by heat • Removes heavy scale and reduces surface roughness | <ul style="list-style-type: none"> ● Ferrous ◐ Non-Ferrous ● Stainless ◐ Plastics ● Metal Matrix ● Exotics ● Composites | |

| BELT SIZE | STD. PKG. | COARSE PART # | COARSE PRICE EA. | MEDIUM PART # | MEDIUM PRICE EA. | VERY FINE PART # | VERY FINE PRICE EA. |
|--------------|-----------|---------------|------------------|---------------|------------------|------------------|---------------------|
| 1" x 42" | 12 | 10625 | \$9.05 | 10626 | \$9.03 | 10627 | \$9.03 |
| 1" x 72" | 12 | 44383 | 14.42 | 43883 | 12.77 | 27457 | 12.77 |
| 1" x 132" | 12 | 18434 | 22.64 | 18435 | 20.06 | 44125 | 20.06 |
| 2" x 48" | 6 | 10628 | 15.76 | 10629 | 13.96 | 10630 | 13.96 |
| 2" x 60" | 6 | 10631 | 18.11 | 10632 | 16.05 | 10633 | 16.05 |
| 2" x 72" | 6 | 10634 | 21.83 | 10635 | 19.32 | 10636 | 19.32 |
| 2" x 132" | 6 | 10637 | 38.92 | 10638 | 34.49 | 10639 | 34.49 |
| 2 1/2" x 60" | 5 | 10643 | 27.88 | 10644 | 24.71 | 10645 | 24.71 |
| 3" x 132" | 4 | 10649 | 55.22 | 10650 | 50.59 | 10651 | 50.59 |
| 4" x 54" | 6 | 10658 | 37.57 | 10659 | 33.30 | 10660 | 33.30 |
| 4" x 132" | 3 | 10661 | 65.85 | 10662 | 58.35 | 10663 | 58.35 |
| 4" x 168" | 3 | 40627 | 80.51 | 38894 | 71.34 | 40628 | 71.34 |
| 6" x 48" | 4 | 10664 | 43.48 | 10665 | 38.52 | 10666 | 38.52 |

S-Super Fine is available, call for Part # and price.

Other sizes available.



LS LAMINATED CLOTH BELTS - A/O

| Characteristics/Applications | Materials | Tool Selector |
|--|--|----------------|
| <ul style="list-style-type: none"> • Designed for stroke sanders • Smooth backing will increase the life of graphite bars or gloves • Belt runs smoothly and resists heat buildup for extended life • Produces a consistent linear scratch pattern • Blend heavy tool marks • Blend heavy welds • Removes heavy scale and reduces surface roughness | <ul style="list-style-type: none"> ● Ferrous ◐ Non-Ferrous ● Stainless ◐ Plastics ● Metal Matrix ● Exotics ● Composites | Stroke Sanders |

| BELT SIZE | STD. PKG. | COARSE PART # | COARSE PRICE EA. | MEDIUM PART # | MEDIUM PRICE EA. | VERY FINE PART # | VERY FINE PRICE EA. |
|-----------|-----------|---------------|------------------|---------------|------------------|------------------|---------------------|
| 6" x 264" | 2 | 45208 | \$365.71 | 45209 | \$343.49 | 45210 | \$343.49 |
| 6" x 306" | 2 | 45211 | 419.55 | 45212 | 398.75 | 45213 | 398.75 |
| 6" x 315" | 2 | 45214 | 425.60 | 45215 | 403.50 | 45216 | 403.50 |

Other sizes available.



SUPERIOR ABRASIVES SATIN FINISHING FAMILY OF PRODUCTS

FINISH GUIDE

| Grit | Grain* | HD A/O | HS | FLT | **Grain | HD S/C |
|--------------|----------|--------------|--------------|-------------|---------|--------------|
| Coarse | A/O | Matte Finish | — | — | S/C | Grain Finish |
| Medium | A/O | Grain Finish | Grain Finish | — | S/C | Low Polish |
| Fine | A/O | Grain Finish | Grain Finish | — | S/C | Low Luster |
| Very Fine | A/O | Low Polish | Low Polish | — | S/C | Luster |
| Non-Abrasive | No Grain | — | — | High Luster | — | — |

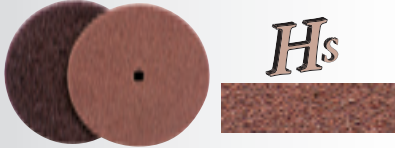
*A/O = Aluminum Oxide

**S/C = Silicon Carbide

HD A/O or Heavy Duty products incorporate high-quality fibers with flexible resin technology. This, combined with high mineral content gives you an extremely conformable satin abrasive tool.

FEATURES:

- Aluminum oxide grain ensures long life
- Open construction allows for aggressive cutting action
- Conformability enables the operator to reach troublesome areas



HS or High Strength material utilizes advanced resin technology in conjunction with a reinforced fibrous mesh. This combination yields the strongest, longest lasting conformable satin tool.

FEATURES:

- The most durable product in the finishing family
- Tough fibrous mesh resists snagging and tearing
- Open construction runs cool and resists loading



HD S/C or Heavy Duty products incorporate high quality fibers with flexible resin technology. This, combined with higher mineral content gives you an extremely conformable satin tool.

FEATURES:

- Silicon carbide grain ensures aggressive cutting action.
- The specialized grain is ideal for polishing all types of metals and sculptures
- Open mesh construction allows the operator cushioned control



FLT or Felt Buff is a non-abrasive material which can carry abrasive media, such as abrasive compounds. The absorbant fibers cushion the abrasive media, giving the operator the power to finesse the finish needed.

FEATURES:

- Non-abrasive construction
- Durable nylon fibers
- Uniform thickness



GENERAL APPLICATION GUIDE

| Applications | HD A/O | HS | HD S/C | FLT |
|--|--------|----|--------|-----|
| Light Deburring | ● | ● | ○ | — |
| Light Blemish Removal | ● | ● | ◐ | — |
| Light Bending of Handling Marks | ● | ● | ◐ | — |
| Light Removal of Surface Oxidation | ● | ● | ◐ | — |
| Blending Fine Coated Abrasive Scratch Patterns | ● | ● | ● | — |
| Removing Flash from Plastic Parts | ● | ● | ○ | — |
| Gear and Thread Cleaning and Deburring | ◐ | ● | ◐ | — |
| Cleaning Moderate Corrosion | ○ | ◐ | ○ | — |
| Blending of Light Tool Marks | ○ | ◐ | ○ | — |
| Moderate Deburring | ○ | ◐ | ○ | — |
| Blending Parting Lines | ○ | ◐ | ○ | — |
| Finishing Stainless Steel Equipment | ◐ | ◐ | ● | — |
| Polishing | ○ | ○ | ● | ● |
| Decorative Finishing | ◐ | ◐ | ● | ● |
| Off Hand Finishing and Polishing | ◐ | ○ | ● | ● |
| Buffing to a High Luster | — | — | — | ● |

PRODUCT GUIDE

| Applications | HD A.O. | HS | HD S/C | FLT |
|--------------|---------|-----|--------|-----|
| Discs | YES | YES | YES | YES |
| Belts | NO | NO | NO | YES |
| Wheels | YES | YES | YES | YES |
| Specialties | YES | YES | YES | YES |

COMPETITIVE CROSS-REFERENCE

| Company | Materials | | | |
|--------------------|--------------------|----------------------|--------------------|----------------------|
| Superior Abrasives | HD A/O | HS | HD S/C | FLT |
| 3M | Clean & Finish | Clean & Finish H.S. | Clean & Finish | Buff & Polish |
| Norton | Bear Tex Finishing | High Strength | Bear Tex Finishing | N/A |
| Merit | Buffing Discs | High Strength | N/A | Felt Polishing Discs |
| Standard Abrasives | Buff & Blend | High Strength/Type F | N/A | Felt Polishing Discs |

MATERIAL CHARACTERISTICS

| Material | Density | Flexibility | Longest Life |
|----------|---------|-------------|--------------|
| HD A/O | → | → | → |
| HS | → | → | → |
| HD S/C | → | → | → |

SATIN FINISHING DISCS & BUFF PRODUCTS

Material Description Page 8



HD_{A/O}

**NEW!
Coarse**

DISCS

| Characteristics/Applications | Materials | Tool Selector |
|--|---|---------------|
| <ul style="list-style-type: none"> Light blending of handling marks Remove micro burrs Decorative finishing Light oxidation removal Flash removal on plastic parts Lacquer sanding | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Composites Wood | |

| SIZE | GRIT | STD. PKG. | TYPE "S" PART # | TYPE "R" PART # | PRICE EACH |
|-----------------|---------------|-----------|-----------------|-----------------|------------|
| 2" | A/O Coarse | 50 | 10511 | 38213 | \$1.08 |
| | A/O Medium | | 10512 | 40170 | .98 |
| | A/O Fine | | 10513 | 46649 | .91 |
| | A/O Very Fine | | 10514 | 38214 | .91 |
| | FLT | | 45344 | 40547 | 1.64 |
| 3" | A/O Coarse | 25 | 10515 | 40508 | 1.72 |
| | A/O Medium | | 10516 | 39911 | 1.55 |
| | A/O Fine | | 10517 | 46585 | 1.42 |
| | A/O Very Fine | | 10518 | 39931 | 1.42 |
| | FLT | | 46569 | 40548 | 2.51 |
| 6" 1/2" Hole | A/O Coarse | 25 | 46586 | | 3.82 |
| | A/O Medium | | 25913 | | 3.06 |
| | A/O Fine | | 16120 | | 1.95 |
| | A/O Very Fine | | 17124 | | 1.64 |
| 8" 1/2" Hole | A/O Coarse | 25 | 46587 | | 6.01 |
| | A/O Medium | | 10531 | | 4.79 |
| | A/O Fine | | 10532 | | 3.08 |
| | A/O Very Fine | | 10533 | | 2.61 |

Coarse = 3M Cut & Polish®



FLT

NON-ABRASIVE

**NEW!
Self-Oscillating**



Hs

DISCS

| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> Gear and thread cleaning and deburring Blending of light tool marks and parting lines Moderate deburring Edge deburring on extrusions Finishing brass and steel metal stampings Moderate rust and adhesive removal Final finishing on aerospace parts | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Composites Wood | |

| SIZE | GRIT | STD. PKG. | TYPE "S" PART # | TYPE "R" PART # | PRICE EACH |
|-----------------|---------------|-----------|-----------------|-----------------|------------|
| 2" | A/O Medium | 50 | 46588 | 38857 | \$1.58 |
| | A/O Fine | | 46589 | 38858 | 1.46 |
| | A/O Very Fine | | 46590 | 38859 | 1.46 |
| | | | | | |
| 3" | A/O Medium | 25 | 46591 | 38860 | 2.42 |
| | A/O Fine | | 46592 | 38861 | 2.24 |
| | A/O Very Fine | | 46593 | 38862 | 2.24 |
| 6" 1/2" Hole | A/O Medium | 25 | 34470 | | 4.60 |
| | A/O Fine | | 40610 | | 2.81 |
| | A/O Very Fine | | 40611 | | 2.70 |
| 8" 1/2" Hole | A/O Medium | 25 | 21554 | | 7.02 |
| | A/O Fine | | 40612 | | 3.94 |
| | A/O Very Fine | | 40613 | | 3.78 |

Other sizes and arbor holes available.



HD_{S/C}

DISCS

| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> Grain matching of stainless steel parts Final finishing of jewelry and charms Final finishing of molded parts, sculptures Edge preparation of glass Final finishing of aerospace parts Final finish before plating | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Plastics Composites | |

| SIZE | GRIT | STD. PKG. | TYPE "S" PART # | TYPE "R" PART # | PRICE EACH |
|-----------------|---------------|-----------|-----------------|-----------------|------------|
| 2" | S/C Medium | 50 | 46594 | 46597 | \$1.07 |
| | S/C Fine | | 46595 | 46598 | 1.01 |
| | S/C Very Fine | | 46596 | 46599 | 1.01 |
| 3" | S/C Medium | 25 | 46600 | 46603 | 1.70 |
| | S/C Fine | | 46601 | 46604 | 1.56 |
| | S/C Very Fine | | 46602 | 46605 | 1.56 |
| 6" 1/2" Hole | S/C Medium | 25 | | 46606 | 3.36 |
| | S/C Fine | | | 46607 | 2.15 |
| | S/C Very Fine | | | 46608 | 1.81 |
| 8" 1/2" Hole | S/C Medium | 25 | | 46609 | 5.26 |
| | S/C Fine | | | 46610 | 3.38 |
| | S/C Very Fine | | | 46611 | 2.88 |

Other sizes and arbor holes available

Disc Holders - Page 23.

HAND PADS 6" X 9"



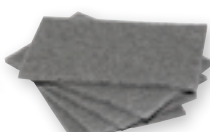
GENERAL PURPOSE

- Aggressive cutting action
- Durable construction
- Can be used with most solvents
- Great for blending, light deburring, cleaning
- Sand lacquered wood



HEAVY DUTY

- Highest concentration of abrasive grain
- Tough reinforced fiber mesh
- Great for rust, oxidation removal
- Removes powder coatings
- Sharp burr removal



ULTRA FINE

- Ideal for decorative finishing
- Polishing jewelry and charms
- Imparts final finish on sculptures
- Polishes marble, precious stones
- Wood defuzzing



INDUSTRIAL SCOURING

- Great for food prep clean-up
- Cleaning aluminum
- Removing paint splatter, overspray
- Ideal for oil and grime removal
- Removes caked on corrosion



STAINLESS FINISHING

- Designed to impart grain finish on stainless steel
- Cleans discoloration from stainless steel
- Removes residue
- Great to reorient scratch patterns
- Blend tool marks



NON-ABRASIVE

- Great media for transporting polishing compounds
- Ideal for non-abrasive cleaning and buffing



| TYPE | COLOR | STD. PKG. | PART # | PRICE EACH |
|------------------------|--------|---------------------|----------------------|------------|
| General Purpose - A/O | Maroon | 1 Case (60 Pads) | 10473 | \$56.60 |
| General Purpose - A/O | Maroon | 60 Pads Bulk | 34569 | 47.70 |
| Heavy Duty - A/O | Tan | 1 Case (60 Pads) | 10474 | 135.47 |
| Ultra Fine - S/C | Gray | 1 Case (60 Pads) | 10475 | 59.71 |
| Industrial Scouring | Green | 1 Case (60 Pads) | 10476 | 54.06 |
| Stainless Steel - S/C | Black | 1 Case (60 Pads) | 40754 | 130.33 |
| Cleaning-Non Abrasives | White | 1 Case (60 Pads) | 34961 | 57.88 |
| Hand Pad Holder | | | Part #: 43934 | \$15.55 |

SATIN FINISHING ROLLS

Material description page 8

| Characteristics/Applications | Materials | Tool Selector |
|--|---|---------------|
| <ul style="list-style-type: none"> • Cleaning and polishing lathe parts • Blending of light tool marks and parting lines • Removing micro burrs from orthoses • Mold and die cleaning • Can be used with most solvents and chemicals • Sanding lacquer • Final finishing on aerospace parts | <ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Plastics ● Composites ● Wood | |

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH |
|----------|------------------|-----------|--------------|------------|
| 4" x 30' | A/O - Medium | 1 | 30537 | \$64.77 |
| | A/O - Fine | | 30538 | 51.12 |
| | A/O - Very Fine | | 30539 | 43.58 |
| | S/C - Ultra Fine | | 30540 | 45.38 |
| 6" x 30' | A/O - Medium | 1 | 30541 | 94.98 |
| | A/O - Fine | | 30542 | 73.89 |
| | A/O - Very Fine | | 30543 | 62.96 |
| | S/C - Ultra Fine | | 30544 | 65.57 |

A/O



S/C

SATIN FLAP BRUSHES

Material Description Page 8



| Characteristics/Applications | Materials | Tool Selector |
|---|---|---------------|
| <ul style="list-style-type: none"> Removes burrs and micro burrs on threaded parts Wheel cushions for controlled work on irregular surfaces Finishing aluminum extrusions, brass, and stainless steel Fine scratch pattern for preparation of cutlery and cookware Re-orient grain finish on stainless steel and strike plates | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Hardware | |

| SIZE | STD. PKG. | A/O MEDIUM PART # | S/C MEDIUM PART # | A/O FINE PART # | S/C FINE PART # | PRICE EACH |
|---------------|-----------|-------------------|-------------------|-----------------|-----------------|------------|
| 6" x 1" x 2" | 5 | 28854 | 45066 | 28855 | 45065 | \$43.99 |
| 6" x 2" x 2" | | 28857 | 46614 | 28858 | 46615 | 66.91 |
| 8" x 1" x 3" | 3 | 28863 | 46204 | 28864 | 37348 | 52.92 |
| 8" x 2" x 3" | | 28866 | 46618 | 28867 | 46619 | 92.42 |
| 12" x 2" x 5" | 1 | 32058 | 46620 | 32059 | 46621 | 123.74 |



| Characteristics/Applications | Materials | Tool Selector |
|--|---|---------------|
| <ul style="list-style-type: none"> Controlled wheel action conforms to irregular surfaces Remove micro burrs on orthoses Finishing aluminum extrusions, brass, and stainless steel Repeatable measured finishes on robotic applications Re-orient grain finish on stainless steel and strike plates | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Hardware | |

| SIZE | STD. PKG. | A/O MEDIUM PART # | A/O FINE PART # | PRICE EACH |
|--------------|-----------|-------------------|-----------------|------------|
| 6" x 1" x 2" | 5 | 46622 | 46623 | \$50.43 |
| 6" x 2" x 2" | | 46624 | 46625 | 79.48 |
| 8" x 1" x 3" | 3 | 46626 | 46627 | 61.73 |
| 8" x 2" x 3" | | 46628 | 46629 | 104.73 |

MTD. SATIN FLAP BRUSHES

Material Description Page 8

| Characteristics/Applications | Materials | Tool Selector |
|---|---|---------------|
| <ul style="list-style-type: none"> Flexible, conforms to irregular surfaces in a hand held form Removes burrs and micro burrs on threaded parts Finishing aluminum extrusions, brass, and stainless steel Fine scratch pattern for preparation of cutlery and cookware Re-orient grain finish on stainless steel and strike plates | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Hardware | |

| SIZE | STD. PKG. | A/O COARSE PART # | A/O MEDIUM PART # | A/O FINE PART # | PRICE EACH |
|----------------|-----------|-------------------|-------------------|-----------------|------------|
| 2" x 1" x 1/4" | 5 | 43850 | 26877 | 35564 | \$8.94 |
| 3" x 1" x 1/4" | | 43851 | 26881 | 35565 | 11.30 |
| 3" x 2" x 1/4" | | 43852 | 26883 | 35126 | 15.46 |



DUPLEX FLAP WHEELS

Material Description Page 8



| Characteristics/Applications | Materials | Tool Selector |
|--|---|---------------|
| <ul style="list-style-type: none"> Blending scratch patterns left from coated abrasives Smooth cushioned sanding allows operator to finesse finish Heavy oxidation removal Edge Deburring on extrusions and various metals Finishing brass and steel metal stampings Blending parting lines and cleaning welds | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Hardware | |

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH |
|--------------|---------|-----------|--------|------------|
| 6" x 1" x 1" | A/O 80 | 5 | 10426 | \$37.50 |
| | A/O 120 | | 10427 | 38.80 |
| | A/O 180 | | 10428 | 46.70 |
| 6" x 2" x 1" | A/O 80 | 5 | 10429 | 42.95 |
| | A/O 120 | | 10430 | 45.50 |
| | A/O 180 | | 10431 | 53.40 |

Reducer Bushings shown on page 19.

MTD. DUPLEX WHEELS

Material Description Page 8

| Characteristics/Applications | | Materials | | Tool Selector | |
|---|--------------|--|------------------------|------------------------|---------------|
| <ul style="list-style-type: none"> One to One interleaf design in a hand held tool Blending scratch patterns left from coated abrasives Smooth cushioned sanding allowing operator to finesse finish Heavy oxidation removal Edge deburring on extrusions and various metals Finishing brass and steel metal stampings Blending parting lines and cleaning welds | | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Plastics Hardware Wood | | | |
| SIZE DIA. X WIDTH X SK. | STD. PKG. | PART # A/O 80 GRIT | PART # A/O 120 GRIT | PART # A/O 180 GRIT | PRICE EACH |
| 2" x 1" x 1/4" | 5 | 35644 | 35804 | 35795 | \$9.31 |
| 3" x 1" x 1/4" | | 10467 | 10468 | 10469 | 11.28 |
| 3" x 2" x 1/4" | | 10470 | 10471 | 10472 | 16.85 |



Finishing Kit - Page 53.



MTD. SATIN DISC WHEELS

Material Description Page 8



| Characteristics/Applications | | Materials | | Tool Selector | |
|--|--|--|--|---------------|--|
| <ul style="list-style-type: none"> Less aggressive sanding than traditional mtd. flap brushes Removes surface contaminants such as chemicals or grease Creates a high luster finish without altering part geometry Smooth cushioned polishing Finishing brass, aluminum, and steels Sanding lacquered wood | | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Plastics Wood | | | |

| SIZE DIA. X SHANK | WIDTH | PART # A/O CRS. | PART # A/O MED. | PART # A/O FINE | PRICE EACH |
|----------------------|-------|--------------------|--------------------|--------------------|---------------|
| 1" x 1/8" | 3/8" | 46630 | 40433 | 40435 | \$1.73 |
| STD. PKG. 10 | 1/2" | 46631 | 40434 | 40436 | 1.84 |
| 1 1/2" x 1/8" | 7/8" | 46632 | 40437 | 40439 | 2.82 |
| STD. PKG. 10 | 1" | 46633 | 40438 | 40440 | 3.78 |

Mini Kit - Page 53.

All mini wheels have 1/8" shank.

| SIZE DIA. X WIDTH X SK. | STD. PKG. | PART # A/O MEDIUM | PART # A/O FINE | PRICE EACH |
|----------------------------|--------------|----------------------|--------------------|---------------|
| 2 3/8" x 1/2" x 1/4" | 5 | 38182 | 38181 | \$5.35 |
| 2 3/8" x 1" x 1/4" | | 10459 | 10460 | 8.38 |
| 2 3/8" x 2" x 1/4" | | 10461 | 10462 | 12.43 |
| 3" x 1/2" x 1/4" | 5 | 38178 | 38179 | 6.05 |
| 3" x 1" x 1/4" | | 10463 | 10464 | 10.11 |
| 3" x 2" x 1/4" | | 10465 | 10466 | 14.70 |

Finishing Kit - Page 53.

GOBLET WHEELS

Material description page 8

| Characteristics/Applications | | Materials | | Tool Selector | |
|--|--|---|--|---------------|--|
| <ul style="list-style-type: none"> Sink and vat polishing and cleaning Removing micro burrs from orthoses Concave sanding of extrusions Mold and die cleaning Rust and adhesive removal | | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Wood | | | |

| SIZE DIA. X LENGTH X SK. | PART # A/O MED. | PART # A/O FINE | PRICE EACH WHEEL | REFILL A/O MED. | REFILL A/O FINE | PRICE EACH REFILL |
|-----------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|----------------------|
| 2" x 2" x 1/4" | 30608 | 30607 | \$24.10 | 30612 | 30611 | \$9.52 |
| 3" x 2" x 1/4" | 30610 | 30609 | 27.16 | 30614 | 30613 | 12.38 |
| 2" x 2" x 1/4" FLT | | 46643 | 24.10 | | 46644 | 9.52 |
| 3" x 2" x 1/4" FLT | | 46645 | 27.16 | | 46646 | 12.38 |

Standard Package - 5 wheels.

Also Available: HD S/C.

Standard Package - 5 refills.



SATIN FINISHING STARS

Material description page 8

H_s



| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> • Open construction leaves a matte finish • ID polishing of tubes & cylindrical parts • Light duty removal of rust and paint • Very conformable to fit in tight areas • Won't gouge work piece • Consistent measurable finish | <ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ○ Plastics ○ Exotics ○ Composites | |

| SIZE | EYELET | PLY | GRIT | STD. PKG. | PART # | PRICE EACH |
|------|--------|-----|----------|-----------|--------|------------|
| 1½" | 1/4-20 | 2 | A/O Med. | 50 | 42806 | \$2.73 |
| | 1/4-20 | 2 | A/O Fine | | 43847 | 2.73 |
| | 1/4-20 | 2 | A/O V.F. | | 42807 | 2.73 |
| 2" | 1/4-20 | 2 | A/O Med. | 50 | 42808 | 3.06 |
| | 1/4-20 | 2 | A/O Fine | | 43848 | 3.06 |
| | 1/4-20 | 2 | A/O V.F. | | 42809 | 3.06 |
| 3" | 1/4-20 | 2 | A/O Med. | 25 | 42810 | 4.08 |
| | 1/4-20 | 2 | A/O Fine | | 43849 | 4.08 |
| | 1/4-20 | 2 | A/O V.F. | | 42811 | 4.08 |

S/C Available.

Mandrels - Page 6.

STRIPPING DISCS

TYPE "R"

| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> • Tough open construction will not load • Aggressive stripping and cleaning on metal surfaces • Removes rust, corrosion, scale, paint, and adhesives • Great for weld cleaning and splatter removal • Removes surface coatings and surface contaminants • Ideal for maintenance and machine refurbishing | <ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ● Stainless ○ Plastics ● Exotics | |

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH | TYPE "R" HOLDERS | PART # | PRICE EACH |
|------|--------------|-----------|--------|------------|------------------|--------|------------|
| 2" | S/C X-Coarse | 50 | 34364 | \$3.32 | 2" x ¼" SK. | 11275 | \$8.38 |
| 3" | S/C X-Coarse | 25 | 34365 | 6.35 | 3" x ¼" SK. | 11276 | 10.60 |
| 4" | S/C X-Coarse | 10 | 41334 | 9.28 | 4" x ¼" SK. | 34992 | 18.17 |



STRIPPING DISCS



| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> Tough open construction will not load Aggressive stripping and cleaning on metal surfaces Removes rust, corrosion, scale, paint, adhesives Great for weld cleaning and splatter removal Removes surface coatings and contaminants Ideal for maintenance and machine refurbishing | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Metal Matrix Composites | |



ARBOR HOLE

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH |
|--------------------------------|--------------|-----------|--------------|------------|
| 4" x 1/2" 1/4" Hole | S/C X-Coarse | 10 | 38699 | \$6.81 |
| 4" x 1/2" 1/2" Hole | S/C X-Coarse | 10 | 34361 | 6.81 |
| 6" x 1/2" 1/2" Hole | S/C X-Coarse | 10 | 34362 | 11.36 |
| 8" x 1/2" 1/2" Hole | S/C X-Coarse | 10 | 34363 | 17.78 |
| W-14-5 Mandrel 1/4" Arbor Hole | | 1/4" SK. | Part # 35733 | \$16.63 |
| W-24 Mandrel 1/2" Arbor Hole | | 1/4" SK. | Part # 12216 | 9.90 |



TYPE 27



FLAT FACE

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH |
|---------------|--------------|-----------|--------|------------|
| 4 1/2" x 7/8" | S/C X-Coarse | 5 | 34366 | \$10.87 |

STRIPPING WHEELS



1/4" SHANK

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH |
|-------------------------|--------------|-----------|--------|------------|
| 2" x 1/2" 1/4" Shank | S/C X-Coarse | 10 | 35805 | \$5.91 |
| 2" x 1" 1/4" Shank | S/C X-Coarse | 10 | 35806 | 8.89 |
| 3" x 1/2" 1/4" Shank | S/C X-Coarse | 10 | 34359 | 6.47 |
| 3" x 1" 1/4" Shank | S/C X-Coarse | 10 | 34360 | 9.57 |
| 4" x 1/2" 1/4" Shank | S/C X-Coarse | 10 | 38446 | 8.55 |
| 4" x 1" 1/4" Shank | S/C X-Coarse | 10 | 38447 | 13.44 |



| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> Tough open construction will not load Aggressive stripping and cleaning Removes rust, corrosion, scale, paint, adhesives Great for weld cleaning and splatter removal Removes surface coatings and contaminants Ideal for maintenance & machine refurbishing | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Plastics Metal Matrix | |

Test Kit — Page 54

XE DEBURRING WHEELS

Competitive Cross Reference - Page 1



| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> • Heavy deburring on a variety of metals • Blending coated abrasive scratch patterns & tool marks • Heat and smear resistant producing fast cut rates • Edge breaking of large deburrs on extrusions, stampings • Polished parts prior to coating • Imparting a radius on laser cut edges | <ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Exotics ◐ Plastics ● Metal Matrix | |

| SIZE | DENSITY GRADE | STD. PKG. | PART # | PRICE EACH |
|----------------|---------------|-----------|--------------|------------|
| 6" x 1/2" x 1" | 10 S Fine | 4 | 40767 | \$47.77 |
| 6" x 1/2" x 1" | 9 A Medium | 4 | 40766 | 47.77 |
| 6" x 1" x 1" | 10 S Fine | 3 | 40769 | 65.62 |
| 6" x 1" x 1" | 9 A Medium | 3 | 40768 | 65.62 |
| 8" x 1/2" x 3" | 10 S Fine | 4 | 40771 | 56.28 |
| 8" x 1/2" x 3" | 9 A Medium | 4 | 40770 | 56.28 |
| 8" x 1" x 3" | 10 S Fine | 3 | 40773 | 83.34 |
| 8" x 1" x 3" | 9 A Medium | 3 | 40772 | 83.34 |

Wheel Density: 9 = Hard 10 = Extra Hard

DEBURRING WHEELS

Competitive Cross Reference - Page 1

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> • Medium to heavy deburring on a variety of metals • Blending coated abrasive scratch patterns & tool marks • Heat and smear resistant producing fast cut rates • Deburring extrusions and stampings • Removing parting lines on castings and forgings • Deburring punched holes and breaking laser cut edges | <ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Extrusions ◐ Plastics ◐ Exotics | |

| SIZE | DENSITY GRADE | STD. PKG. | PART # | PRICE EACH |
|----------------|---------------|-----------|--------------|------------|
| 6" x 1/2" x 1" | 8 S Fine | 4 | 10497 | \$44.60 |
| 6" x 1/2" x 1" | 9 S Fine | 4 | 10504 | 44.60 |
| 6" x 1" x 1" | 8 A Medium | 3 | 30606 | 62.09 |
| 6" x 1" x 1" | 9 A Medium | 3 | 24568 | 62.09 |
| 6" x 1" x 1" | 8 S Fine | 3 | 10498 | 62.09 |
| 6" x 1" x 1" | 9 S Fine | 3 | 10505 | 62.09 |
| 8" x 1/2" x 3" | 8 S Fine | 4 | 37495 | 52.64 |
| 8" x 1/2" x 3" | 9 S Fine | 4 | 10499 | 52.64 |
| 8" x 1" x 3" | 8 A Medium | 3 | 30617 | 77.94 |
| 8" x 1" x 3" | 8 S Fine | 3 | 10500 | 77.94 |
| 8" x 1" x 3" | 9 S Fine | 3 | 10506 | 77.94 |
| 8" x 2" x 3" | 8 S Fine | 2 | 10501 | 136.10 |
| 8" x 2" x 3" | 9 S Fine | 2 | 30362 | 136.10 |
| 12" x 1" x 5" | 8 S Fine | 2 | 10502 | 111.86 |
| 12" x 1" x 5" | 9 S Fine | 2 | 10507 | 111.86 |
| 12" x 2" x 5" | 8 S Fine | 1 | 10503 | 200.48 |
| 12" x 2" x 5" | 9 S Fine | 1 | 21110 | 200.48 |

Wheel Density: 8 = Medium 9 = Hard



LIGHT DEBURRING WHEELS

Competitive Cross Reference - Page 1

| Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> • Stainless steel pipe thread cleaning • Blending of light milling marks and parting lines • Moderate deburring • Applying decorative finishes on a variety of metals • Blending the surfaces of uneven parts • Removal of light flashing • Applying a specific finish on aerospace parts | <ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ◐ Extrusions ● Plastics ○ Exotics | |

Reducer Bushings - Page 19

| SIZE | DENSITY GRADE | STD. PKG. | PART # | PRICE EACH |
|--------------|---------------|-----------|--------------|------------|
| 6" x 1" x 1" | 7 A Fine | 3 | 10493 | \$62.09 |
| 6" x 1" x 1" | 7 A Medium | 3 | 10494 | 62.09 |
| 6" x 1" x 1" | 6 S Fine | 3 | 10481 | 62.09 |
| 6" x 1" x 1" | 7 S Fine | 3 | 10492 | 62.09 |
| 8" x 1" x 3" | 7 A Medium | 3 | 21108 | 77.94 |
| 8" x 1" x 3" | 7 S Fine | 3 | 10496 | 77.94 |

Wheel Density: 6 = Soft 7 = Medium

METAL FINISHING WHEELS

Competitive Cross Reference - Page 1

| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> Blending scratch patterns left by traditional coated abrasives Blending tool marks Runs cool and is heat resistant on a variety of metals Leaves a grain finish on stainless steel parts Finish metal stampings and strike plates | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Exotics | |



| SIZE | DENSITY GRADE | STD. PKG. | PART # | PRICE EACH |
|--------------|---------------|-----------|--------------|------------|
| 6" x 1" x 1" | 6 A Coarse | 3 | 45396 | \$72.27 |
| 6" x 1" x 1" | 6 A Medium | 3 | 45395 | 72.27 |
| 6" x 2" x 1" | 6 A Coarse | 2 | 45397 | 122.54 |
| 6" x 2" x 1" | 6 A Medium | 2 | 45398 | 122.54 |
| 8" x 1" x 3" | 6 A Coarse | 3 | 45400 | 91.15 |
| 8" x 1" x 3" | 6 A Medium | 3 | 45399 | 91.15 |
| 8" x 2" x 3" | 6A Coarse | 2 | 45401 | 157.14 |
| 8" x 2" x 3" | 6A Medium | 2 | 45402 | 157.14 |

Wheel Density: 6 = Medium.

MULTI-CLEANING WHEELS

Competitive Cross Reference - Page 1



| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> General purpose cleaning and light deburring Removes discoloration created by heat during the milling process Removes rust, paint, and slight imperfections Leaves a dull luster Good for edge breaking | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Exotics | |

| SIZE | DENSITY GRADE | STD. PKG. | PART # | PRICE EACH |
|--------------|---------------|-----------|--------------|------------|
| 6" x 1" x 1" | 5 A Coarse | 3 | 37498 | \$40.44 |
| 6" x 1" x 1" | 5 S Fine | 3 | 10477 | 40.44 |
| 6" x 1" x 1" | 5 S Medium | 3 | 10478 | 40.44 |
| 6" x 2" x 1" | 5 A Coarse | 2 | 37499 | 64.62 |
| 6" x 2" x 1" | 5 S Medium | 2 | 10479 | 64.62 |
| 8" x 1" x 3" | 5 S Medium | 3 | 30688 | 61.39 |
| 8" x 2" x 3" | 5 S Medium | 2 | 30689 | 93.72 |

Wheel Density: 5 = Medium.

FINAL POLISHING WHEELS

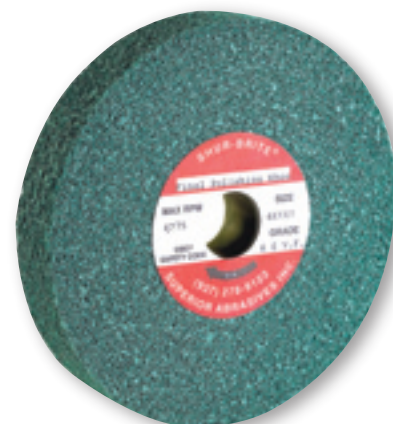
Competitive Cross Reference - Page 1

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> Specifically designed to polish with cushioned control Leaves a high luster on stainless steel Leaves a mirror finish on a variety of metals Brass and chrome polishing Will not alter part geometry | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Exotics | |

| SIZE DIA. X WIDTH X I.D. | DENSITY GRADE | STD. PKG. | PART # | PRICE EACH |
|--------------------------|---------------|-----------|--------------|------------|
| 6" x 1/2" x 1" | 2 S Very Fine | 1 | 45108 | \$44.88 |
| 6" x 1" x 1" | 2 S Very Fine | | 45109 | 62.88 |
| 6" x 2" x 1" | 2 S Very Fine | | 45110 | 102.61 |
| 8" x 1" x 3" | 2 S Very Fine | 1 | 45111 | 78.61 |
| 8" x 2" x 3" | 2 S Very Fine | | 45112 | 137.10 |
| 12" x 1" x 5" | 2 S Very Fine | 1 | 45113 | 113.03 |
| 12" x 2" x 5" | 2 S Very Fine | | 45114 | 201.01 |

Reducer Bushings - Page 19.

Wheel Density: 2 = Soft.



XL UNITIZED WHEELS

Competitive Cross Reference - Page 1



| Characteristics/Applications | Materials | Tool Selector |
|---|---|---------------|
| <ul style="list-style-type: none"> Designed to minimize heat buildup Cleaning and polishing Polishes soft metals prior to plating Finishing the surface of aerospace turbine blades | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics | |

MTD. XL UNITIZED

Competitive Cross Reference - Page 1

| SIZE DIA. X WIDTH X SK. | DENSITY GRADE | STD. PKG. | PART # | PRICE EACH |
|-------------------------|---------------|-----------|--------|------------|
| 1" x 1/8" x 1/8" | 2 S Fine | 10 | 40527 | \$2.80 |
| | 6 A Medium | | 40528 | 3.04 |
| | 8 A Coarse | | 40529 | 3.25 |
| 1" x 1/4" x 1/8" | 2 S Fine | 10 | 40530 | 3.15 |
| | 6 A Medium | | 40531 | 3.43 |
| | 8 A Coarse | | 40532 | 3.76 |
| 1 1/2" x 1/4" x 1/4" | 2 S Fine | 10 | 40533 | 4.13 |
| | 6 A Medium | | 40534 | 4.48 |
| | 8 A Coarse | | 40535 | 4.86 |
| 2" x 1/4" x 1/4" | 2 S Fine | 10 | 40536 | 5.19 |
| | 6 A Medium | | 40537 | 5.41 |
| | 8 A Coarse | | 40538 | 6.30 |
| 3" x 1/4" x 1/4" | 2 S Fine | 10 | 40539 | 8.12 |
| | 6 A Medium | | 40540 | 9.28 |
| | 8 A Coarse | | 40541 | 10.05 |

Wheel Density: 2 = Soft, 6 = Medium, 8 = Hard.

| SIZE | DENSITY GRADE | STD. PKG. | PART # | PRICE EACH |
|----------------------|---------------|-----------|--------|------------|
| 1" x 1" x 3/16" | 6 S Fine | 10 | 37459 | \$4.42 |
| | 6 A Medium | | 37460 | 4.42 |
| | 8 A Medium | | 37461 | 4.92 |
| | 8 A Coarse | | 37462 | 4.92 |
| 1" x 1/8" x 1/8" | 2 S Fine | 10 | 41337 | 1.88 |
| | 6 A Medium | | 41338 | 2.17 |
| | 8 A Coarse | | 41339 | 2.42 |
| 1" x 1/4" x 1/8" | 2 S Fine | 10 | 41340 | 2.17 |
| | 6 A Medium | | 41341 | 2.57 |
| | 8 A Coarse | | 41342 | 2.85 |
| 1 1/2" x 1/4" x 1/4" | 2 S Fine | 10 | 41343 | 2.62 |
| | 6 A Medium | | 41344 | 3.05 |
| | 8 A Coarse | | 41345 | 3.39 |
| 2" x 1/4" x 1/4" | 2 S Fine | 10 | 37463 | 3.63 |
| | 6 A Medium | | 37464 | 4.27 |
| | 8 A Coarse | | 37465 | 4.69 |
| 3" x 1/4" x 1/4" | 2 S Fine | 10 | 37192 | 6.54 |
| | 2 A Medium | | 37466 | 6.54 |
| | 6 A Medium | | 37467 | 7.84 |
| | 8 A Medium | | 37468 | 8.61 |
| 3" x 1/2" x 1/4" | 8 A Coarse | 10 | 37469 | 8.61 |
| | 2 S Fine | | 37452 | 10.17 |
| | 6 A Medium | | 21111 | 11.94 |
| 4" x 1/4" x 1/4" | 8 A Coarse | 10 | 37453 | 13.27 |
| | 2 S Fine | | 37454 | 10.41 |
| | 6 A Medium | | 37455 | 13.69 |
| 6" x 1/2" x 1" | 2 S Fine | 4 | 10487 | 33.59 |
| | 6 A Medium | | 37456 | 38.09 |
| 6" x 1" x 1" | 2 S Fine | 3 | 10488 | 57.56 |
| | 6 A Medium | | 37457 | 67.41 |
| | 8 A Medium | | 37458 | 75.12 |

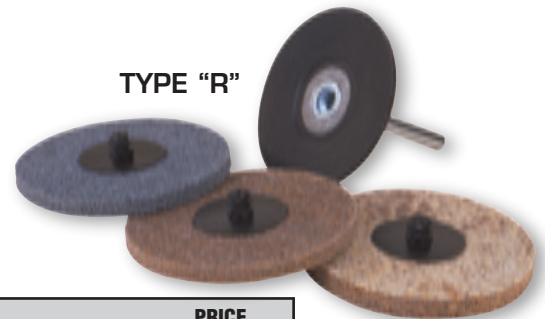
Reducer Bushings - Page 19.

Mandrels - Page 39.

XL UNITIZED DISCS

Competitive Cross Reference - Page 1

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> Designed to minimize heat buildup General purpose cleaning and polishing Polishes soft metals prior to plating Finishing the surface of aerospace turbine blades Removes flashing from plastic injection molding Removes resins and adhesive overspray Finishing orthoses and surgical instruments | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Exotics Composites | |



| SIZE | DENSITY GRADE | STD. PKG. | PART # | PRICE EACH | TYPE "R" HOLDERS | PART # | PRICE EACH |
|-----------|---------------|-----------|--------|------------|------------------|--------|------------|
| 2" x 1/4" | 8 A Coarse | 10 | 37503 | \$5.36 | 2" x 1/4" SK. | 11275 | \$8.38 |
| | 6 A Medium | | 37504 | 4.97 | | | |
| | 2 S Fine | | 37505 | 4.37 | | | |
| | 2 S Very Fine | | 45618 | 4.37 | | | |
| 3" x 1/4" | 8 A Coarse | 10 | 37506 | 8.42 | 3" x 1/4" SK. | 11276 | 10.60 |
| | 6 A Medium | | 37507 | 7.76 | | | |
| | 2 S Fine | | 37508 | 7.13 | | | |
| | 2 S Very Fine | | 45620 | 7.13 | | | |

Wheel Density: 2 = Soft 6 = Medium 8 = Hard.

Type "S" Available.

Red Part Numbers Are Stock Items

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FINAL POLISHING UNITIZED

Competitive Cross Reference - Page 1

| Characteristics/Applications | Materials | Tool Selector |
|---|---|---|
| <ul style="list-style-type: none"> Specifically designed to polish Leaves high luster on stainless steel Leaves mirror finish on variety of metals Will not alter part geometry | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions |  |



| SIZE DIA. X WIDTH X I.D. | DENSITY GRADE | STD. PKG. | PART # | PRICE EACH |
|-----------------------------|------------------|--------------|--------|---------------|
| 1" x 1" x 3/16" | 2 S Very Fine | 10 | 45102 | \$4.29 |
| 2" x 1/4" x 1/4" | 2 S Very Fine | 10 | 45103 | 3.53 |
| 2" x 1/2" x 1/4" | 2 S Very Fine | | 45104 | 5.78 |
| 3" x 1/4" x 1/4" | 2 S Very Fine | 10 | 45105 | 6.63 |
| 3" x 1/2" x 1/4" | 2 S Very Fine | | 45106 | 10.17 |

Wheel Density: 2 = Soft.

Mandrels - Page 39.


FINAL POLISHING DISC

Competitive Cross Reference - Page 1



TYPE 27




| Characteristics/Applications | Materials | Tool Selector |
|--|--|--|
| <ul style="list-style-type: none"> Specifically designed to polish Leaves a high luster on stainless steel Leaves a mirror finish on a variety of metals Brass and chrome polishing Will not alter part geometry Applies a decorative polish Soft cushioned control | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Exotics Composites |  |

| SIZE | DENSITY GRADE | STD. PKG. | PART # | PRICE EACH |
|---------------|------------------|--------------|--------|---------------|
| 4 1/2" x 7/8" | 2 S Very Fine | 1 | 45107 | \$18.29 |

Wheel Density: 2 = Soft.

UNITIZED DISCS

Competitive Cross Reference - Page 1

| Characteristics/Applications | Materials | Tool Selector |
|--|---|---|
| <ul style="list-style-type: none"> Specifically designed to minimize heat buildup General purpose cleaning and polishing flat surfaces Polishes soft metals prior to plating Finishing the surface of aerospace turbine blades Edge breaking on stamped, lazed, or waterjet parts Removes resins, adhesive overspray and contaminates/corrosion caused by chemical buildup | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Titanium Composites |  |

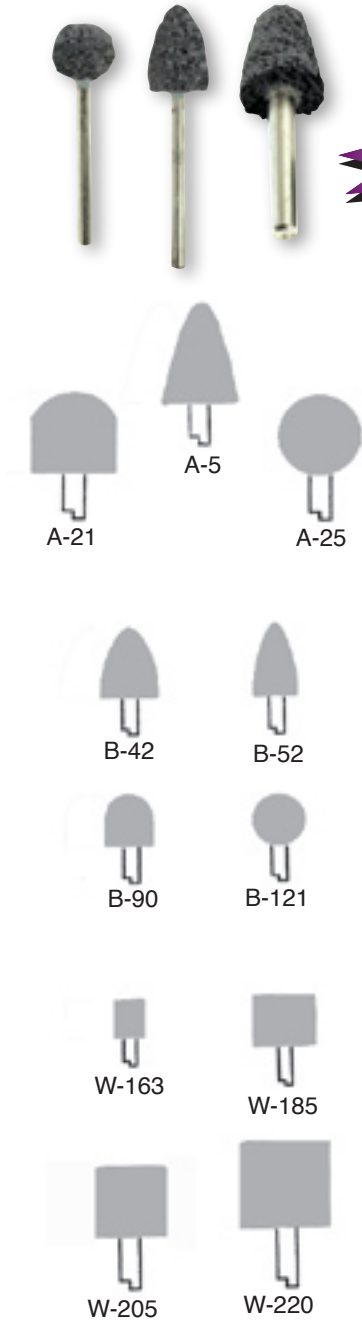
| SIZE | DENSITY GRADE | STD. PKG. | PART # | PRICE EACH |
|-----------------------------|------------------|--------------|--------|---------------|
| 4 1/2" x 7/8" 1/2" thick | 2 A-Very Fine | 5 | 46634 | \$16.80 |
| 4 1/2" x 7/8" 1/2" thick | 2 A-Fine | 5 | 46635 | 16.80 |
| 4 1/2" x 7/8" 1/2" thick | 2 S-Fine | 5 | 46636 | 16.80 |
| 4 1/2" x 7/8" 1/2" thick | 6 S-Medium | 5 | 46637 | 19.32 |
| 4 1/2" x 7/8" 1/2" thick | 6 A-Medium | 5 | 46638 | 19.32 |
| 4 1/2" x 7/8" 1/2" thick | 6 A-Coarse | 5 | 46639 | 21.95 |

Wheel Density: 2 = Soft 6 = Medium.



XL UNITIZED MTD. POINTS

1/8" AND 1/4" SHANKS



| Characteristics/Applications | Materials | Tool Selector |
|--|---|---------------|
| <ul style="list-style-type: none"> Specifically designed to minimize heat buildup General purpose cleaning and polishing Polishes titanium and special alloys Finishing the surface of aerospace turbine blades Removes flashing from plastic injection molding Removes resins and adhesive overspray Finishing orthoses and surgical instruments | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Extrusions Plastics Titanium Composites | |

| SHAPE | SIZE DIA. X WIDTH X SK. | GRIT | STD. PKG. | PART # | PRICE EACH |
|--------------|----------------------------|----------|--------------|--------------|---------------|
| A-5 | 3/4" x 1 1/8" x 1/4" | S Fine | 10 | 43749 | \$11.63 |
| | | A Medium | | 43750 | 11.63 |
| A-21 | 1" x 1" x 1/4" | S Fine | 10 | 43752 | 11.42 |
| | | A Medium | | 43753 | 11.42 |
| A-25 | 1" x 1" x 1/4" | S Fine | 10 | 43755 | 10.47 |
| | | A Medium | | 43756 | 10.47 |
| B-42 | 1/2" x 3/4" x 1/8" | S Fine | 10 | 43758 | 5.27 |
| | | A Medium | | 43759 | 5.27 |
| B-52 | 3/8" x 3/4" x 1/8" | S Fine | 10 | 43781 | 4.56 |
| | | A Medium | | 43782 | 4.56 |
| B-90 | 1/2" x 1/2" x 1/8" | S Fine | 10 | 43784 | 4.61 |
| | | A Medium | | 43785 | 4.61 |
| B-121 | 1/2" x 1/2" x 1/8" | S Fine | 10 | 43787 | 4.56 |
| | | A Medium | | 43788 | 4.56 |
| W-163 | 1/4" x 1/2" x 1/8" | S Fine | 10 | 43790 | 2.99 |
| | | A Medium | | 43791 | 2.99 |
| W-176 | 3/8" x 1/2" x 1/8" | S Fine | 10 | 43793 | 3.75 |
| | | A Medium | | 43794 | 3.75 |
| W-185 | 1/2" x 1/2" x 1/8" | S Fine | 10 | 43796 | 3.52 |
| | | A Medium | | 43797 | 3.52 |
| W-205 | 3/4" x 1" x 1/4" | S Fine | 10 | 43799 | 8.19 |
| | | A Medium | | 43800 | 8.19 |
| W-220 | 1" x 1" x 1/4" | S Fine | 10 | 43802 | 10.30 |
| | | A Medium | | 43803 | 10.30 |



REDUCER BUSHINGS

| DESCRIPTION | PART # | PRICE | DESCRIPTION | PART # | PRICE |
|----------------------|--------------|------------|------------------------|--------------|------------|
| 1" I.D. to 3/4" I.D. | 10391 | \$1.27 pr. | 3" I.D. to 1" I.D. | 10508 | \$4.24 pr. |
| 1" I.D. to 5/8" I.D. | 10392 | 1.27 pr. | 3" I.D. to 5/8" I.D. | 35567 | 4.24 pr. |
| 1" I.D. to 1/2" I.D. | 10393 | 1.27 pr. | 3" I.D. to 1 1/4" I.D. | 10509 | 4.77 pr. |
| 2" I.D. to 1" I.D. | 28873 | 3.18 pr. | 5" I.D. to 1 1/4" I.D. | 10510 | 4.77 pr. |
| 2" I.D. to 5/8" I.D. | 28872 | 3.18 pr. | | | |

SHUR-KUT[®]

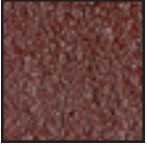


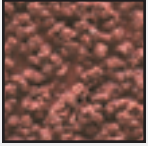


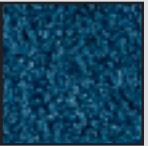
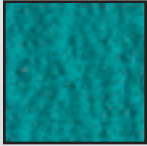

COATED ABRASIVES



SUPERIOR ABRASIVES COATED MATERIALS

Superior Abrasives uses only premium abrasive grains in the production of all our abrasive tools. Whether grinding exotic metals or polishing to a required finish, Superior has the abrasive substrate to efficiently "Finish The Job".

Thin, Flexible & Less Durable ← "A" WT. Paper "B" WT. Paper "C" WT. Paper "E" WT. Paper "F" WT. Paper "J" WT. Cloth "T" WT. Cloth "X" WT. Cloth "Y" WT. Cloth → Thick, Stiff & Durable

| | | |
|--|---|--|
| <p style="text-align: center;">ALUMINUM OXIDE A/O Resin Bond "X" Wt. Poly/Cotton</p>  <p style="text-align: center;">Grits: 24-400</p> <p>Aluminum Oxide: A synthetic grain pink to brownish in color. Most popular, durable, general purpose grain. Universally used for metals, wood, plastics, and lacquer.</p> <p style="text-align: center;">Products: Quick Change Discs, Hook & Loop Discs, Belts, Cost Control Flap Wheels, Cloth Stars</p> | <p style="text-align: center;">ALUMINUM OXIDE A/O Resin Bond "X" Wt. 100% Cotton</p>  <p style="text-align: center;">Grits: 24-400</p> <p>Aluminum Oxide: A synthetic grain pink to brownish in color. Most popular, durable, general purpose grain. Universally used for metals, wood, plastics, and lacquer. 100% Cotton specifically designed for specialties.</p> <p style="text-align: center;">Products: Flap Wheels, Cartridge Rolls, Square & Cross Pads, Bore Polishers, Flap Discs, Bands</p> | <p style="text-align: center;">ALUMINUM OXIDE WITH GRINDING AID A/O G.A. Resin Bond "X" Wt.</p>  <p style="text-align: center;">Grits: 36-120</p> <p>Aluminum Oxide GA: Same properties as standard A/O with altered resin chemistry to incorporate a supersize coat, which reduces heat and adds lubricity.</p> <p style="text-align: center;">Product: Quick Change Discs</p> |
| <p style="text-align: center;">ALUMINUM OXIDE COMPACT GRAIN A/O Resin Bond "X" Wt.</p>  <p style="text-align: center;">Grits: 80-600</p> <p>Aluminum Oxide: Same properties as standard A/O except in a granulated form. Granules breakdown with use to dramatically extend life while providing a uniform finish.</p> <p style="text-align: center;">Product: Quick Change Discs</p> | <p style="text-align: center;">ALUMINUM OXIDE A/O Resin Bond "J" Wt.</p>  <p style="text-align: center;">Grits: 60-500</p> <p>Aluminum Oxide: Same properties as standard A/O; however, bonded to a "J" WT. backing for added flexibility.</p> <p style="text-align: center;">Products: Shop Rolls, Flap Mops, Center Laps, Sheets</p> | <p style="text-align: center;">SILICON CARBIDE S/C Resin Bond "X" Wt.</p>  <p style="text-align: center;">Grits: 60-400</p> <p>Silicon Carbide: Synthetic grain that is very hard and brittle. Designed to grind glass, minerals, ceramic, china, marble, and rock.</p> <p style="text-align: center;">Products: Quick Change Discs, Belts, Flap Wheels - Special, Cartridge Rolls - Special, Bands - Special, Hook & Loop Discs - Special</p> |
| <p style="text-align: center;">ZIRCONIA ALUMINA Zirc Resin Bond "X" Wt.</p>  <p style="text-align: center;">Grits: 36-180</p> <p>Zirconia Alumina: A synthetic grain engineered to produce tough less brittle characteristics than A/O. Fracturing properties ensure a consistently sharp edge. Grinding and deburring metals.</p> <p style="text-align: center;">Products: Quick Change Discs, Hook & Loop Discs, Belts, Cartridge Rolls - Special, Bore Polishers, Cloth Stars - Special</p> | <p style="text-align: center;">ZIRCONIA ALUMINA W/ GRINDING AID Zirc Resin Bond "Y" Wt.</p>  <p style="text-align: center;">Grits: 24-120</p> <p>Zirconia Alumina: Same properties as standard Zirc with altered resin chemistry to incorporate a supersize coat, which reduces heat and adds lubricity.</p> <p style="text-align: center;">Products: Quick Change Discs, Hook & Loop Discs, Stik-On Discs, Belts</p> | <p style="text-align: center;">CERAMIC WITH GRINDING AID Ceramic Resin Bond "Y" Wt.</p>  <p style="text-align: center;">Grits: 24-120</p> <p>Ceramic: A synthetic grain formulated to withstand extreme pressures and dissipate heat. The crystallized substrate continually exposes sharp fractures for aggressive cutting action. Specifically for grinding metal.</p> <p style="text-align: center;">Products: Quick Change Discs, Belts, PSA Discs - Special</p> |

MATERIAL CROSS-REFERENCE

| Superior | 3M | Norton | Hermes | VSM | Klingspor | Sun |
|-------------------------------------|-------------|--------------------|--------------------------|-----------------|-----------------|--------------|
| Aluminum Oxide Poly/Cotton | 241D / 261D | R249 / R228 | RB346MX | KK511X / KK711X | CS311X / CS310X | R145 |
| Aluminum Oxide GA | 367/D | R267 | RB417YX | KK811X / KK812X | CS412 | — |
| Aluminum Oxide Compact Grain | 359F | Y933 | RB530X | KK712X | CS425 | — |
| Aluminum Oxide "J" Wt. | 200D / 201E | R245 / R264 | RB346MJ | KK511J / KK524J | LS309 / LS312 | K35F / K355F |
| Silicon Carbide | 441D / 453W | R422 / R423 / R427 | RB318X | CK721X | CS320 / CS333X | S181 |
| Zirconia Alumina | 567G | R823 / R823 / E816 | RB484TY | KK715Y / KK716Y | CS411X / CS411Y | R205 |
| Zirconia Alumina GA | 777F / 747D | R826 / R824 / R821 | RB486Y | KK815Y / ZK745X | CS414 | R203 |
| Ceramic GA | 777F / 977F | R946 / R981 | CB4440 / CB447Y / CB448Y | SK855X | CS610Y | — |

QUICK CHANGE DISCS

Material Description - Page 21



PREMIUM A/O

| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> General purpose grinding and aggressive stock removal Deburring, edge breaking, surface leveling Mold and cavity grinding Weld removal in grits 36-60 Blending of pits, gouges, and surface imperfections use grits 80-150 Achieve various finish gradients with grits 180-320 | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Metal Matrix Composites | |

| SIZE | GRIT | TYPE "S" PART # | TYPE "R" PART # | PRICE EACH |
|----------------------|-------|-----------------|-----------------|------------|
| 1" STD. PKG. 100 | 36 | 11087 | 35361 | \$.40 |
| | 40 | 11088 | 42716 | .37 |
| | 50 | 11089 | 34998 | .36 |
| | 60 | 11090 | 11193 | .36 |
| | 80 | 11091 | 11194 | .36 |
| | 100 | 11092 | 38037 | .36 |
| | 120 | 11093 | 11196 | .36 |
| | 180 | 11095 | 11198 | .36 |
| 1 1/2" STD. PKG. 100 | 240 | 11096 | 11199 | .36 |
| | 36 | 11099 | 11202 | .44 |
| | 40 | 11100 | 11203 | .44 |
| | 50 | 11101 | 11204 | .42 |
| | 60 | 11102 | 11205 | .42 |
| | 80 | 11103 | 11206 | .42 |
| | 100 | 11104 | 11207 | .42 |
| | 120 | 11105 | 11208 | .42 |
| 2" STD. PKG. 100 | 150 | 11106 | 43491 | .42 |
| | 180 | 11107 | 11210 | .42 |
| | 240 | 11108 | 11211 | .42 |
| | 320 | 11109 | 33983 | .42 |
| | 24 | 11110 | 11213 | .70 |
| | 36 | 11111 | 11214 | .67 |
| | 40 | 11112 | 11215 | .63 |
| | 50 | 11113 | 11216 | .61 |
| | 60 | 11114 | 11217 | .59 |
| | 80 | 11115 | 11218 | .58 |
| 3" STD. PKG. 50 | 100 | 11116 | 11219 | .57 |
| | 120 | 11117 | 11220 | .57 |
| | 150 | 11118 | 34463 | .57 |
| | 180 | 11119 | 11222 | .57 |
| | 240 | 11120 | 11223 | .57 |
| | 320 | 11121 | 11224 | .57 |
| | 24 | 11122 | 11225 | .88 |
| | 36 | 11123 | 11226 | .83 |
| | 40 | 11124 | 11227 | .81 |
| | 50 | 11125 | 11228 | .79 |
| 60 | 11126 | 11229 | .77 | |
| 3" STD. PKG. 50 | 80 | 11127 | 11230 | .76 |
| | 100 | 11128 | 11231 | .74 |
| | 120 | 11129 | 11232 | .74 |
| | 150 | 11130 | 11233 | .74 |
| | 180 | 11131 | 11234 | .74 |
| | 240 | 11132 | 11235 | .74 |
| | 320 | 11133 | 11236 | .74 |

4" available Type "R" & "S". Quick Change Test Kits — Page 52.

TYPE "R"



TYPE "S"



Equal to Lockit®, PowerLock III® & Roloc TR®

Equal to SocAtt®, PowerLock II® & Roloc TSM®



A/O GRINDING AID

| Characteristics/Applications | Materials | Tool Selector |
|--|---|---------------|
| <ul style="list-style-type: none"> The supersize is designed to grind aircraft grade aluminum and high silicon metal matrix. A better option for heat generating metals such as high nickel alloys Extended life on most applications | <ul style="list-style-type: none"> Ferrous Non-Ferrous Plastics Exotics Metal Matrix Composites | |

| SIZE | GRIT | TYPE "S" PART # | TYPE "R" PART # | PRICE EACH |
|----------------------|------|-----------------|-----------------|------------|
| 1 1/2" STD. PKG. 100 | 36 | 32016 | 32055 | \$.45 |
| | 40 | 45149 | 38610 | .45 |
| | 50 | 16817 | 40939 | .45 |
| | 60 | 32015 | 32054 | .44 |
| | 80 | 32014 | 32053 | .44 |
| | 100 | 32013 | 32052 | .44 |
| 2" STD. PKG. 100 | 120 | 32012 | 32051 | .44 |
| | 24 | — | — | .69 |
| | 36 | 16827 | 32050 | .68 |
| | 40 | 38606 | 39869 | .68 |
| | 50 | 16829 | 32049 | .63 |
| | 60 | 16830 | 32048 | .62 |
| 3" STD. PKG. 100 | 80 | 16831 | 32047 | .61 |
| | 100 | 32017 | 32046 | .60 |
| | 120 | 16833 | 32045 | .60 |
| | 24 | — | — | .94 |
| | 36 | 21344 | 32044 | .90 |
| | 40 | 40163 | 38300 | .90 |
| 3" STD. PKG. 50 | 50 | 26668 | 32043 | .87 |
| | 60 | 22391 | 32042 | .85 |
| | 80 | 26825 | 32041 | .81 |
| | 100 | 32019 | 32040 | .79 |
| | 120 | 32018 | 32039 | .79 |

4" available Type "R" and "S".

Holder - Page 23.

COMPACT GRAIN - A/O



| Characteristics/Applications | | Materials | | Tool Selector |
|---|--------------|---|-----------------|---------------|
| <ul style="list-style-type: none"> • Much longer life than traditional A/O discs • Blending and polishing leaving a uniform finish • Edge breaking, surface leveling • First option when tool changeover is a concern | | <ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ○ Stainless ◐ Composites | | |
| SIZE | GRIT | TYPE "S" PART # | TYPE "R" PART # | PRICE EACH |
| 2" STD. PKG. 100 | 80 | 40270 | 40291 | \$.78 |
| | 120 | 40271 | 40292 | .75 |
| | 180 | 40272 | 40293 | .75 |
| | 240 | 40273 | 40294 | .75 |
| | 320 | 40274 | 40295 | .75 |
| | 400 | 40275 | 40296 | .75 |
| 3" STD. PKG. 50 | 600 | 40276 | 40297 | .75 |
| | 80 | 40277 | 40298 | 1.04 |
| | 120 | 40278 | 40299 | .99 |
| | 180 | 40279 | 40300 | .99 |
| | 240 | 40280 | 40301 | .99 |
| | 320 | 40281 | 40302 | .99 |
| 400 | 40282 | 40303 | .99 | |
| 600 | 40283 | 40304 | .99 | |

4" available Type "R" and Type "S".

RIGID KUT A/O

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> • Our most firm disc, as stiff as a fibre disc with better grain retention • Tackles aggressive deburring where other discs shred • Deburrs interrupted cuts such as drilled holes and channels • First choice when edge wear is the leading concern • Best for grinding flat surfaces with limited contours | <ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ◐ Stainless ● Plastics ◐ Exotics ○ Metal Matrix ◐ Composites | |

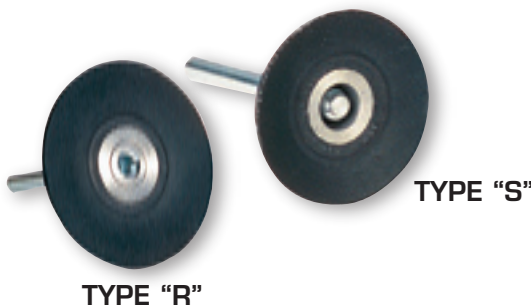
| SIZE | GRIT | TYPE "S" PART # | TYPE "R" PART # | PRICE EACH |
|-----------------------------------|------|-----------------|-----------------|------------|
| 1 1/2" STD. PKG. 100 | 36 | 46847 | 46865 | \$.53 |
| | 50 | 46848 | 46866 | .51 |
| | 60 | 46849 | 46867 | .51 |
| | 80 | 46850 | 46868 | .51 |
| | 100 | 46851 | 46869 | .51 |
| | 120 | 46852 | 46870 | .51 |
| 2" STD. PKG. 100 | 36 | 46853 | 46871 | .78 |
| | 50 | 46854 | 46872 | .72 |
| | 60 | 46855 | 46873 | .71 |
| | 80 | 46856 | 46874 | .70 |
| | 100 | 46857 | 46875 | .69 |
| | 120 | 46858 | 46876 | .69 |
| 3" STD. PKG. 50 | 36 | 46859 | 46877 | 1.03 |
| | 50 | 46860 | 46878 | .97 |
| | 60 | 46861 | 46879 | .94 |
| | 80 | 46862 | 46880 | .92 |
| | 100 | 46863 | 46881 | .90 |
| | 120 | 46864 | 46882 | .90 |



4" available Type "R" and Type "S".

Test Kits - Page 51.

QUICK CHANGE DISC HOLDERS - 1/4" SHANK



| SIZE | DENSITY | TYPE "S" | | TYPE "R" | |
|--------|---------|--------------|-----------|--------------|-----------|
| | | PART # | PRICE EA. | PART # | PRICE EA. |
| 3/4" | MED. | — | — | 40564 | \$7.30 |
| 1" | MED. | 11170 | \$7.30 | 11273 | 7.30 |
| 1 1/2" | MED. | 11171 | 8.23 | 11274 | 8.23 |
| 2" | SOFT | 11172 | 8.38 | — | — |
| 2" | MED. | 11173 | 8.38 | 11275 | 8.38 |
| 2" | FIRM | 11174 | 10.22 | — | — |
| 3" | SOFT | 11175 | 10.60 | — | — |
| 3" | MED. | 11176 | 10.60 | 11276 | 10.60 |
| 3" | FIRM | 11177 | 11.73 | — | — |
| 4" | MED. | 11178 | 18.17 | 34992 | 18.17 |

QUICK CHANGE DISCS

Material Description - Page 21

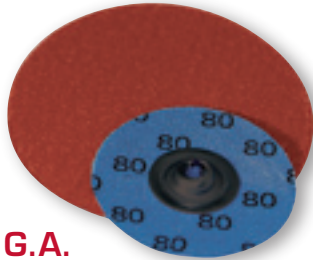
PREMIUM ZIRC

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> Grind high nickel alloys, titanium, and other exotic metals Aggressive grinding with good heat dissipation Excels in pressure applications Remove weld and grind through inclusions (such as nodular cast iron) Great on composites that wear other abrasives grains | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Metal Matrix Composites | |



| SIZE | GRIT | TYPE "S" PART # | TYPE "R" PART # | PRICE EACH |
|-----------------------------------|------|-----------------|-----------------|------------|
| 1 1/2" STD. PKG. 100 | 36 | 11148 | 11251 | \$.54 |
| | 40 | 11149 | 11252 | .51 |
| | 50 | 11150 | 11253 | .51 |
| | 60 | 11151 | 11254 | .49 |
| | 80 | 11152 | 11255 | .49 |
| 2" STD. PKG. 100 | 120 | 11154 | 11257 | .49 |
| | 36 | 11155 | 11258 | .82 |
| | 40 | 11156 | 11259 | .78 |
| | 50 | 11157 | 11260 | .76 |
| | 60 | 11158 | 11261 | .74 |
| 3" STD. PKG. 50 | 80 | 11159 | 11262 | .74 |
| | 120 | 11161 | 11264 | .73 |
| | 36 | 11162 | 11265 | 1.06 |
| | 40 | 11163 | 11266 | 1.02 |
| | 50 | 11164 | 11267 | 1.00 |
| | 60 | 11165 | 11268 | .96 |
| | 80 | 11166 | 11269 | .95 |
| | 120 | 11168 | 11271 | .93 |

4" available Type "R" and Type "S".



CERAMIC G.A.

| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> Aggressive stock removal with the highest heat dissipation Grind high temp alloys such as cobalt, chrome, hastalloy, and inconel High pressure applications Extended life and grain retention First choice when grinding hot castings | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Metal Matrix Composites | |

| SIZE | GRIT | TYPE "S" PART # | TYPE "R" PART # | PRICE EACH |
|-------------------------------|------|-----------------|-----------------|------------|
| 2" STD. PKG. 100 | 36 | 40311 | 40329 | \$.85 |
| | 40 | 40312 | 40330 | .82 |
| | 50 | 40313 | 40331 | .80 |
| | 60 | 40314 | 40332 | .74 |
| | 80 | 40315 | 40333 | .72 |
| | 120 | 40316 | 40334 | .71 |
| | 36 | 40317 | 40335 | 1.16 |
| | 40 | 40318 | 40336 | 1.09 |
| | 50 | 40319 | 40337 | 1.07 |
| 3" STD. PKG. 50 | 60 | 40320 | 40338 | 1.02 |
| | 80 | 40321 | 40339 | .98 |
| | 120 | 40322 | 40340 | .98 |

4" available Type "R" and Type "S".

ZIRC GRINDING AID

| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> Aggressive stock removal on stainless steel Enhanced performance in moderate to heavy pressure applications Dissipates heat and resists loading First choice when grinding gummy heat sensitive metals | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Metal Matrix Composites | |

| SIZE | GRIT | TYPE "S" PART # | TYPE "R" PART # | PRICE EACH |
|-----------------------------------|------|-----------------|-----------------|------------|
| 1 1/2" STD. PKG. 100 | 36 | 36665 | 36671 | \$.52 |
| | 40 | 36666 | 36672 | .50 |
| | 50 | 36667 | 36673 | .50 |
| | 60 | 36668 | 36674 | .50 |
| | 80 | 36669 | 36675 | .48 |
| | 120 | 36670 | 36676 | .48 |
| | 36 | 36677 | 36683 | .78 |
| | 40 | 36678 | 36684 | .76 |
| | 50 | 36679 | 36685 | .73 |
| 2" STD. PKG. 100 | 60 | 36680 | 36686 | .71 |
| | 80 | 36681 | 36687 | .69 |
| | 120 | 36682 | 36688 | .69 |
| | 36 | 36689 | 36695 | 1.00 |
| 3" STD. PKG. 50 | 40 | 36690 | 36696 | .97 |
| | 50 | 36691 | 36697 | .95 |
| | 60 | 36692 | 36698 | .93 |
| | 80 | 36693 | 36699 | .90 |
| | 120 | 36694 | 36700 | .87 |

4" available Type "R" and Type "S".

Holder - Page 23.



X WT. CLOTH - A/O

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> Rubber based adhesive is melted onto the material Stronger bond between PSA and abrasive material than double face tape PSA will not leave residue on the platen or holder Easily releases from holders and/or platens Discs will not slip or fly off with excessive heat General grinding, deburring, and blending | <ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ○ Stainless ● Plastics ○ Exotics ● Metal Matrix ● Composites | |



| SIZE | GRIT | PART # | PRICE EACH |
|-----------------------------------|-------------------------------|--------------|------------|
| 1/2" STD. PKG. 100 | 60 | 11376 | \$.21 |
| | 80 | 11377 | .21 |
| | 100 | 11378 | .21 |
| | 120 | 11379 | .21 |
| | 180 | 11380 | .21 |
| | 240 | 16685 | .21 |
| 3/4" STD. PKG. 100 | 320 | 16095 | .21 |
| | 50 | 11382 | .21 |
| | 60 | 11383 | .21 |
| | 80 | 11384 | .21 |
| | 100 | 11385 | .21 |
| | 120 | 11386 | .21 |
| 1" STD. PKG. 100 | 180 | 11387 | .21 |
| | 240 | 16955 | .21 |
| | 320 | 18509 | .21 |
| | 50 | 11389 | .22 |
| | 60 | 11390 | .22 |
| | 80 | 11391 | .22 |
| 1 1/2" STD. PKG. 100 | 100 | 11392 | .22 |
| | 120 | 11393 | .22 |
| | 180 | 11394 | .22 |
| | 240 | 18004 | .22 |
| | 320 | 18508 | .22 |
| | 2" STD. PKG. 100 | 36 | 11396 |
| 40 | | 11397 | .25 |
| 50 | | 11398 | .23 |
| 60 | | 11399 | .23 |
| 80 | | 11400 | .23 |
| 100 | | 11401 | .23 |
| 3" STD. PKG. 50 | 120 | 11402 | .23 |
| | 180 | 11404 | .23 |
| | 240 | 11405 | .23 |
| | 320 | 11406 | .23 |
| | 24 | 11407 | .44 |
| | 36 | 11408 | .39 |
| 4" STD. PKG. 50 | 40 | 11409 | .37 |
| | 50 | 11410 | .35 |
| | 60 | 11411 | .35 |
| | 80 | 11412 | .33 |
| | 100 | 11413 | .32 |
| | 120 | 11414 | .32 |
| 5" STD. PKG. 50 | 150 | 11415 | .32 |
| | 180 | 11416 | .32 |
| | 240 | 11417 | .32 |
| | 320 | 11418 | .32 |
| | 24 | 11419 | .53 |
| | 36 | 11420 | .48 |
| 6" STD. PKG. 50 | 40 | 11421 | .47 |
| | 50 | 11422 | .45 |
| | 60 | 11423 | .43 |
| | 80 | 11424 | .40 |
| | 100 | 11425 | .38 |
| | 120 | 11426 | .38 |
| 7" STD. PKG. 50 | 150 | 11427 | .38 |
| | 180 | 11428 | .38 |
| | 240 | 11429 | .38 |
| | 320 | 11430 | .38 |
| | 24 | 11476 | 2.61 |
| | 36 | 11477 | 2.34 |
| 8" STD. PKG. 50 | 40 | 11478 | 2.22 |
| | 50 | 11479 | 2.12 |
| | 60 | 11480 | 2.04 |
| | 80 | 11481 | 1.92 |
| | 100 | 11482 | 1.84 |
| | 120 | 11483 | 1.84 |
| 9" STD. PKG. 50 | 180 | 11484 | 1.84 |
| | 240 | 30428 | 1.84 |
| | 320 | 30430 | 1.84 |

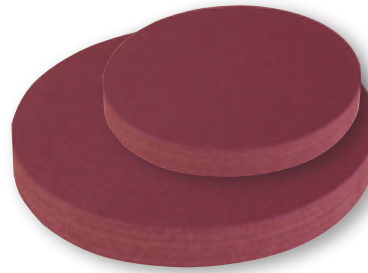
| SIZE | GRIT | PART # | PRICE EACH |
|-------------------------------|------|--------------|------------|
| 4" STD. PKG. 50 | 24 | 11431 | \$.67 |
| | 36 | 11432 | .61 |
| | 40 | 11433 | .56 |
| | 50 | 11434 | .54 |
| | 60 | 11435 | .53 |
| | 80 | 11436 | .50 |
| 5" STD. PKG. 50 | 100 | 11437 | .48 |
| | 120 | 11438 | .48 |
| | 150 | 11439 | .48 |
| | 180 | 11440 | .48 |
| | 240 | 11441 | .48 |
| | 320 | 11442 | .48 |
| 6" STD. PKG. 50 | 24 | 11443 | .99 |
| | 36 | 11444 | .88 |
| | 40 | 11445 | .85 |
| | 50 | 11446 | .79 |
| | 60 | 11447 | .76 |
| | 80 | 11448 | .72 |
| 7" STD. PKG. 50 | 100 | 11449 | .67 |
| | 120 | 11450 | .67 |
| | 150 | 11451 | .67 |
| | 180 | 11452 | .67 |
| | 240 | 11453 | .67 |
| | 320 | 11454 | .67 |
| 8" STD. PKG. 50 | 24 | 11455 | 1.55 |
| | 36 | 11456 | 1.32 |
| | 40 | 11457 | 1.28 |
| | 50 | 11458 | 1.17 |
| | 60 | 11459 | 1.10 |
| | 80 | 11460 | 1.04 |
| 9" STD. PKG. 50 | 100 | 11461 | .99 |
| | 120 | 11462 | .99 |
| | 150 | 11463 | .99 |
| | 180 | 11464 | .99 |
| | 240 | 11465 | .99 |
| | 320 | 11466 | .99 |
| 10" STD. PKG. 50 | 24 | 11467 | 2.10 |
| | 36 | 11468 | 1.88 |
| | 40 | 11469 | 1.67 |
| | 50 | 11470 | 1.58 |
| | 60 | 11471 | 1.52 |
| | 80 | 11472 | 1.41 |
| 11" STD. PKG. 50 | 100 | 11473 | 1.34 |
| | 120 | 11474 | 1.34 |
| | 180 | 11475 | 1.34 |

Disc Cleaning Sticks - Page 41.

Continued on next page.

STIK-ON DISCS

Material Description - Page 21



"X" WT. CLOTH - A/O

| SIZE | GRIT | PART # | PRICE EACH |
|-------------------------------|------|--------------|------------|
| 9" STD. PKG. 25 | 24 | 11485 | \$3.84 |
| | 36 | 11486 | 3.32 |
| | 40 | 11487 | 3.13 |
| | 50 | 11488 | 2.94 |
| | 60 | 11489 | 2.75 |
| | 80 | 11490 | 2.61 |
| | 100 | 11491 | 2.47 |
| | 120 | 11492 | 2.47 |
| 10" STD. PKG. 25 | 180 | 11493 | 2.47 |
| | 24 | 11494 | 4.76 |
| | 36 | 11495 | 4.12 |
| | 40 | 11496 | 3.90 |
| | 50 | 11497 | 3.64 |
| | 60 | 11498 | 3.47 |
| | 80 | 11499 | 3.27 |
| | 100 | 11500 | 3.07 |
| 12" STD. PKG. 25 | 120 | 11501 | 3.07 |
| | 180 | 11502 | 3.07 |
| | 24 | 11503 | 6.53 |
| | 36 | 11504 | 5.65 |
| | 40 | 11505 | 5.38 |
| | 50 | 11506 | 5.06 |
| | 60 | 11507 | 4.70 |
| | 80 | 11508 | 4.44 |
| | 100 | 11509 | 4.35 |
| | 120 | 11510 | 4.35 |
| 14" STD. PKG. 25 | 150 | 11511 | 4.35 |
| | 180 | 11512 | 4.35 |
| | 240 | 11513 | 4.35 |
| | 320 | 11514 | 4.35 |
| | 24 | 11515 | 9.67 |
| | 36 | 11516 | 8.39 |
| | 40 | 11517 | 7.91 |
| | 50 | 11518 | 7.43 |
| 15" STD. PKG. 25 | 60 | 11519 | 7.02 |
| | 80 | 11520 | 6.62 |
| | 100 | 11521 | 6.26 |
| | 120 | 11522 | 6.26 |
| | 24 | 11524 | 10.59 |
| | 36 | 11525 | 9.33 |
| 15" STD. PKG. 25 | 40 | 11526 | 8.81 |
| | 50 | 11527 | 8.30 |
| | 60 | 11528 | 7.85 |
| | 80 | 11529 | 7.42 |
| | 100 | 11530 | 7.01 |
| | 120 | 11531 | 7.01 |

| SIZE | GRIT | PART # | PRICE EACH |
|-------------------------------|------|--------------|------------|
| 16" STD. PKG. 25 | 24 | 11533 | \$12.10 |
| | 36 | 11534 | 10.68 |
| | 40 | 11535 | 10.05 |
| | 50 | 11536 | 9.50 |
| | 60 | 11537 | 8.98 |
| | 80 | 11538 | 8.40 |
| | 100 | 11539 | 7.96 |
| | 120 | 11540 | 7.96 |
| 18" STD. PKG. 10 | 24 | 11542 | 15.38 |
| | 36 | 11543 | 13.76 |
| | 40 | 11544 | 12.94 |
| | 50 | 11545 | 12.19 |
| | 60 | 11546 | 11.53 |
| | 80 | 11547 | 10.90 |
| | 100 | 11548 | 10.27 |
| 20" STD. PKG. 10 | 120 | 11549 | 10.27 |
| | 24 | 11551 | 18.63 |
| | 36 | 11552 | 16.10 |
| | 40 | 11553 | 15.27 |
| | 50 | 11554 | 14.64 |
| | 60 | 11555 | 13.56 |
| | 80 | 11556 | 12.79 |
| 24" STD. PKG. 10 | 100 | 11557 | 12.32 |
| | 120 | 11558 | 12.32 |
| | 24 | 11560 | 26.60 |
| | 36 | 11561 | 23.19 |
| | 40 | 11562 | 21.75 |
| | 50 | 11563 | 20.42 |
| | 60 | 11564 | 19.17 |
| 26" STD. PKG. 10 | 80 | 11565 | 17.93 |
| | 100 | 11566 | 17.05 |
| | 120 | 11567 | 17.05 |
| | 24 | 11569 | 34.29 |
| | 36 | 11570 | 29.34 |
| | 40 | 11571 | 27.76 |
| | 50 | 11572 | 26.20 |
| 30" STD. PKG. 5 | 60 | 11573 | 24.69 |
| | 80 | 11574 | 23.31 |
| | 100 | 11575 | 22.00 |
| | 120 | 11576 | 22.00 |
| | 24 | 11578 | 42.00 |
| | 36 | 11579 | 36.47 |
| | 40 | 11580 | 33.93 |
| 30" STD. PKG. 5 | 50 | 11581 | 31.85 |
| | 60 | 11582 | 29.99 |
| | 80 | 11583 | 27.91 |
| | 100 | 11584 | 26.55 |
| | 120 | 11585 | 26.55 |

Disc Cleaning Sticks - Page 41.
Other sizes and grits available.



STIK-ON DISC HOLDERS

| SIZE | PART # | PRICE EACH |
|---------------|--------------|------------|
| 1/2" x 1/8" | 11701 | \$3.28 |
| 1/2" x 1/4" | 11702 | 3.28 |
| 3/4" x 1/8" | 11703 | 3.87 |
| 3/4" x 1/4" | 11704 | 3.87 |
| 1" x 1/8" | 11705 | 4.04 |
| 1" x 1/4" | 11706 | 4.04 |
| 1 1/2" x 1/4" | 11707 | 5.79 |
| 2" x 1/4" | 11708 | 6.50 |
| 3" x 1/4" | 11709 | 7.42 |
| 4" x 1/4" | 11710 | 8.90 |
| 5" x 1/4" | 11711 | 12.34 |

Lightweight - High R.P.M.

STIK-ON ZIRC DISCS

Material Description - Page 21

ZIRC "X" WT. CLOTH



| Characteristics/Applications | Materials | Tool Selector |
|--|---|---------------|
| <ul style="list-style-type: none"> Grind high nickel alloys, titanium, and other exotic metals Good heat dissipation Heavy pressure applications Remove weld and grind through inclusions in nodular cast iron | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Composites | |

| SIZE | GRIT | PART # | PRICE EACH |
|------------------------------|-------|--------------|------------|
| 5" STD. PKG. 50 | 36 | 17498 | \$1.25 |
| | 40 | 17499 | 1.21 |
| | 50 | 17500 | 1.12 |
| | 60 | 17501 | 1.07 |
| | 80 | 17502 | 1.03 |
| | 100 | 17503 | 1.02 |
| | 120 | 17504 | 1.02 |
| 6" STD. PKG. 50 | 36 | 17505 | 1.87 |
| | 40 | 17506 | 1.81 |
| | 50 | 17507 | 1.67 |
| | 60 | 17508 | 1.55 |
| | 80 | 17509 | 1.46 |
| | 100 | 17510 | 1.45 |
| | 120 | 17511 | 1.45 |
| 180 | 46661 | 1.02 | |

Disc Cleaning Sticks - Page 41.

| SIZE | GRIT | PART # | PRICE EACH |
|-------------------------------|-------|--------------|------------|
| 12" STD. PKG. 25 | 36 | 17458 | \$7.82 |
| | 40 | 17459 | 7.42 |
| | 50 | 17460 | 6.99 |
| | 60 | 17461 | 6.51 |
| | 80 | 17462 | 6.28 |
| | 100 | 40496 | 6.03 |
| | 120 | 40497 | 6.03 |
| 20" STD. PKG. 10 | 36 | 17483 | 22.50 |
| | 40 | 17484 | 21.35 |
| | 50 | 17485 | 20.46 |
| | 60 | 17486 | 18.94 |
| | 80 | 17487 | 17.88 |
| | 100 | 46647 | 16.12 |
| | 120 | 46648 | 16.12 |
| 24" STD. PKG. 10 | 36 | 17488 | 33.11 |
| | 40 | 17489 | 31.05 |
| | 50 | 17490 | 29.17 |
| | 60 | 17491 | 27.36 |
| | 80 | 17492 | 25.60 |
| | 100 | 46651 | 23.09 |
| | 120 | 46652 | 23.09 |
| 180 | 46653 | 23.09 | |

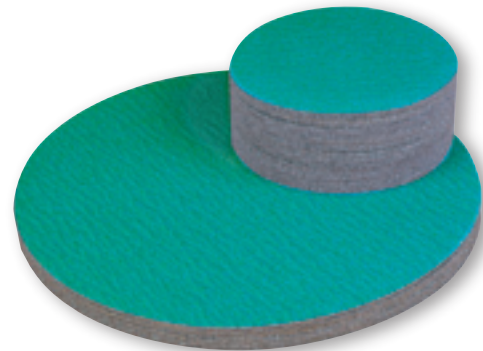
Other sizes and grits available.

ZIRC G.A. "Y" WT. CLOTH

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> Stock removal on stainless Enhanced performance in heavy pressure applications Dissipates heat and resists loading First choice when grinding gummy heat sensitive metals | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Composites | |

| SIZE | GRIT | PART # | PRICE EACH |
|-------------------------------|------|--------------|------------|
| 5" STD. PKG. 50 | 36 | 21372 | \$1.60 |
| | 40 | 34014 | 1.53 |
| | 50 | 17127 | 1.42 |
| | 60 | 21150 | 1.35 |
| | 80 | 21151 | 1.28 |
| 6" STD. PKG. 50 | 36 | 21176 | 2.35 |
| | 40 | 26381 | 2.28 |
| | 50 | 31349 | 2.11 |
| | 60 | 24531 | 1.95 |
| | 80 | 16108 | 1.85 |
| 12" STD. PKG. 25 | 36 | 16728 | 9.86 |
| | 40 | 16919 | 9.38 |
| | 50 | 19277 | 8.82 |
| | 60 | 16729 | 8.22 |
| | 80 | 18943 | 7.77 |


Disc Cleaning Sticks - Page 41.



| SIZE | GRIT | PART # | PRICE EACH |
|-------------------------------|------|--------------|------------|
| 20" STD. PKG. 10 | 36 | 21012 | \$28.40 |
| | 40 | 21013 | 27.52 |
| | 50 | 17152 | 25.84 |
| | 60 | 24686 | 23.91 |
| | 80 | 17154 | 22.58 |
| 24" STD. PKG. 10 | 36 | 21486 | 40.93 |
| | 40 | 24036 | 38.39 |
| | 50 | 21935 | 36.05 |
| | 60 | 24536 | 33.82 |
| | 80 | 21307 | 31.65 |

Other sizes and grits available.

FILM DISCS

| Characteristics/Applications | Materials | Tool Selector |
|---|---|---|
| <ul style="list-style-type: none"> • Stronger than paper and more cost effective than cloth • Load-resistant size coat • Sand metal and wood • Gives repeated measurable finish | <ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Wood ● Solid Surfaces ● Composites |  |



STIK-ON/TABS - A/O

| SIZE | GRIT | PART # | 5 VAC # | 6 VAC # | PRICE EA. |
|------------------------------|--------------|--------------|--------------|--------------|-----------|
| 5" STD. PKG. 50 | 80 | 46721 | 46737 | — | \$.63 |
| | 100 | 46722 | 46738 | — | .60 |
| | 120 | 46723 | 46739 | — | .60 |
| | 180 | 46724 | 46740 | — | .60 |
| | 240 | 46725 | 46741 | — | .60 |
| | 320 | 46726 | 46742 | — | .60 |
| | 400 | 46727 | 46743 | — | .60 |
| 6" STD. PKG. 50 | 600 | 46728 | 46744 | — | .60 |
| | 80 | 46729 | — | 46761 | .89 |
| | 100 | 46730 | — | 46762 | .86 |
| | 120 | 46731 | — | 46763 | .86 |
| | 180 | 46732 | — | 46764 | .86 |
| | 240 | 46733 | — | 46765 | .86 |
| | 320 | 46734 | — | 46766 | .86 |
| 400 | 46735 | — | 46767 | .86 | |
| 600 | 46736 | — | 46768 | .86 | |

Holders - Page 30.

HOOK & LOOP - A/O


| SIZE | GRIT | PART # | 5 VAC # | 6 VAC # | PRICE EA. |
|------------------------------|-------|--------------|--------------|--------------|-----------|
| 5" STD. PKG. 50 | 80 | 46670 | 46685 | — | \$.69 |
| | 100 | 46671 | 46686 | — | .65 |
| | 120 | 46672 | 46687 | — | .65 |
| | 180 | 46674 | 46689 | — | .65 |
| | 240 | 46675 | 46690 | — | .65 |
| | 320 | 45006 | 46691 | — | .65 |
| | 400 | 45007 | 46692 | — | .65 |
| 6" STD. PKG. 50 | 600 | 46676 | 46693 | — | .65 |
| | 80 | 46677 | — | 46712 | 1.02 |
| | 100 | 46678 | — | 46713 | .99 |
| | 120 | 46679 | — | 46714 | .99 |
| | 180 | 46680 | — | 46715 | .99 |
| | 240 | 46681 | — | 46716 | .99 |
| | 320 | 46682 | — | 46717 | .99 |
| 400 | 46683 | — | 46718 | .99 | |
| 600 | 46684 | — | 46719 | .99 | |

8" Vac -Hole available - Same price.

STIK-ON PAPER DISCS

"F" WT. PAPER - A/O



| Characteristics/Applications | Materials | Tool Selector |
|---|---|---|
| <ul style="list-style-type: none"> • General purpose grinding and stock removal • General purpose edge breaking surface blending • "F" weight is thicker and more durable than traditional "A" weight and "B" weight products • Open coat for aggressive cutting action | <ul style="list-style-type: none"> ● Non-Ferrous ● Plastics ● Wood ● Solid Surfaces ● Composites |  |

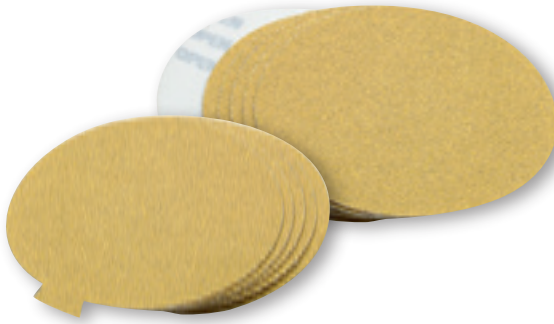
| SIZE | GRIT | PART # | 5 VAC # | 6 VAC # | PRICE EA. |
|-------------------------------|------|--------------|---------|---------|-----------|
| 5" STD. PKG. 100 | 40 | 11587 | 45633 | — | \$.64 |
| | 60 | 11589 | 40476 | — | .57 |
| | 80 | 11590 | 40477 | — | .55 |
| | 120 | 11592 | 34021 | — | .51 |
| | 180 | 11594 | 21383 | — | .51 |
| 6" STD. PKG. 100 | 40 | 11598 | — | 46769 | .93 |
| | 60 | 11600 | — | 43576 | .83 |
| | 80 | 11601 | — | 43577 | .79 |
| | 120 | 11603 | — | 46770 | .74 |
| | 180 | 11605 | — | 46771 | .74 |

Holders - Page 30.

8" Vac -Hole available - Same price.

GOLD DISCS

"C" WT. PAPER - A/O



| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> Grinding and stock removal Edge breaking, surface blending Cost effective when sanding materials that load or gum up Semi-open coat with load-resistant size coat for aggressive action | <ul style="list-style-type: none"> Ferrous Non-Ferrous Plastics Wood Solid Surfaces Composites | |

STIK-ON/TABS

| SIZE | GRIT | PART # | 5 VAC # | 6 VAC # | PRICE EA. |
|------------------------------|-------|--------------|--------------|--------------|-----------|
| 5" STD. PKG. 50 | 60 | 44838 | — | — | \$.46 |
| | 80 | 39981 | 46720 | — | .42 |
| | 100 | 40260 | 44393 | — | .40 |
| | 120 | 40425 | 43704 | — | .40 |
| | 150 | 42933 | 41057 | — | .40 |
| | 180 | 40696 | 44394 | — | .40 |
| | 240 | 40426 | 46673 | — | .40 |
| 6" STD. PKG. 50 | 60 | 46654 | — | — | .60 |
| | 80 | 40066 | — | 45385 | .55 |
| | 100 | 40067 | — | 45381 | .51 |
| | 120 | 40068 | — | 46805 | .51 |
| | 150 | 46710 | — | 45382 | .51 |
| | 180 | 40069 | — | 42401 | .51 |
| | 240 | 46711 | — | 46806 | .51 |
| 320 | 43765 | — | 46807 | .51 | |

Holders - Page 30.

HOOK & LOOP

| SIZE | GRIT | PART # | 5 VAC # | 6 VAC # | PRICE EA. |
|------------------------------|------|--------------|--------------|--------------|-----------|
| 5" STD. PKG. 50 | 60 | 44711 | — | — | \$.59 |
| | 80 | 38835 | 41764 | — | .52 |
| | 100 | 40881 | 44331 | — | .47 |
| | 120 | 40882 | 43183 | — | .47 |
| | 150 | 40883 | 45384 | — | .47 |
| | 180 | 40884 | 43184 | — | .47 |
| | 220 | 40885 | 43164 | — | .47 |
| | 240 | 40886 | 43285 | — | .47 |
| 6" STD. PKG. 50 | 320 | 38836 | 43560 | — | .47 |
| | 60 | 46655 | — | — | .72 |
| | 80 | 40887 | — | 45785 | .64 |
| | 100 | 40888 | — | 45192 | .59 |
| | 120 | 40889 | — | 44846 | .59 |
| | 150 | 40890 | — | 45193 | .59 |
| | 180 | 40891 | — | 34067 | .59 |
| | 220 | 40892 | — | 44203 | .59 |
| | 240 | 40893 | — | 46808 | .59 |
| | 320 | 40894 | — | 37011 | .59 |

8" Vac -Hole available - Same price.

PINK DISCS

"C" WT. PAPER - A/O

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> General purpose grinding, stock removal, edge breaking and surface blending Cost effective when sanding materials that load or gum up Semi-open coat with load-resistant size coat | <ul style="list-style-type: none"> Non-Ferrous Stainless Plastics Wood Solid Surfaces Composites | |



STIK-ON/TABS

| SIZE | GRIT | PART # | 5 VAC # | 6 VAC # | PRICE EA. |
|------------------------------|--------------|--------------|--------------|--------------|-----------|
| 5" STD. PKG. 50 | 80 | 46772 | 46745 | — | \$.46 |
| | 100 | 46773 | 46746 | — | .41 |
| | 120 | 46774 | 46747 | — | .41 |
| | 150 | 46775 | 46748 | — | .41 |
| | 180 | 46776 | 46749 | — | .41 |
| | 240 | 46778 | 46750 | — | .41 |
| | 320 | 46779 | 46751 | — | .41 |
| 6" STD. PKG. 50 | 400 | 46780 | 46752 | — | .41 |
| | 80 | 46781 | — | 46753 | .60 |
| | 100 | 46782 | — | 46754 | .52 |
| | 120 | 46783 | — | 46755 | .52 |
| | 150 | 46784 | — | 46756 | .52 |
| | 180 | 46785 | — | 46757 | .52 |
| | 240 | 46786 | — | 46758 | .52 |
| 320 | 46787 | — | 46759 | .52 | |
| 400 | 46788 | — | 46760 | .52 | |

Holders - Page 30.

HOOK & LOOP

| SIZE | GRIT | PART # | 5 VAC # | 6 VAC # | PRICE EA. |
|------------------------------|------|--------------|--------------|--------------|-----------|
| 5" STD. PKG. 50 | 80 | 46789 | 46694 | — | \$.55 |
| | 100 | 46790 | 46695 | — | .49 |
| | 120 | 46791 | 46696 | — | .49 |
| | 150 | 46792 | 46697 | — | .49 |
| | 180 | 46793 | 46698 | — | .49 |
| | 240 | 46794 | 46699 | — | .49 |
| | 320 | 46795 | 46700 | — | .49 |
| | 400 | 46796 | 46701 | — | .49 |
| 6" STD. PKG. 50 | 80 | 46797 | — | 46702 | .77 |
| | 100 | 46798 | — | 46703 | .70 |
| | 120 | 46799 | — | 46704 | .70 |
| | 150 | 46800 | — | 46705 | .70 |
| | 180 | 46801 | — | 46706 | .70 |
| | 240 | 46802 | — | 46707 | .70 |
| | 320 | 46803 | — | 46708 | .70 |
| | 400 | 46804 | — | 46709 | .70 |

8" Vac -Hole available - Same price.

STIK-ON PAPER DISC ROLLS



| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> Grinding and stock removal Edge breaking, surface blending Packaged in roll form for convenient use Cost effective for sanding materials that load Semi-open coat with load-resistant size coat for aggressive cutting action | <ul style="list-style-type: none"> ● Non-Ferrous ○ Stainless ○ Plastics ● Wood ● Solid Surfaces ● Composites | |

WHITE STEARATE ROLLS - A/O

| SIZE | GRIT | PART # | PRICE EACH |
|--|--------------|--------------|------------|
| 5" STD. PKG. 1 125 discs/roll | 80 | 11685 | \$33.14 |
| | 100 | 11686 | 31.67 |
| | 120 | 11687 | 31.67 |
| | 150 | 11688 | 31.67 |
| | 180 | 11689 | 31.67 |
| | 220 | 11690 | 31.67 |
| | 240 | 11691 | 31.67 |
| 320 | 11692 | 31.67 | |
| 6" STD. PKG. 1 125 discs/roll | 80 | 11693 | 46.63 |
| | 100 | 11694 | 44.39 |
| | 120 | 11695 | 44.39 |
| | 150 | 11696 | 44.39 |
| | 180 | 11697 | 44.39 |
| | 220 | 11698 | 44.39 |
| | 240 | 11699 | 44.39 |
| 320 | 11700 | 44.39 | |

PREMIUM GOLD ROLLS - A/O

| SIZE | GRIT | PART # | PRICE EACH |
|--|--------------|--------------|------------|
| 5" STD. PKG. 1 100 discs/roll | 80 | 25078 | \$33.14 |
| | 100 | 25079 | 31.67 |
| | 120 | 25080 | 31.67 |
| | 150 | 25081 | 31.67 |
| | 180 | 25082 | 31.67 |
| | 220 | 25083 | 31.67 |
| | 240 | 25084 | 31.67 |
| 320 | 25085 | 31.67 | |
| 6" STD. PKG. 1 100 discs/roll | 80 | 25086 | 46.63 |
| | 100 | 25087 | 44.39 |
| | 120 | 25088 | 44.39 |
| | 150 | 25089 | 44.39 |
| | 180 | 25090 | 44.39 |
| | 220 | 25091 | 44.39 |
| | 240 | 25092 | 44.39 |
| 320 | 25093 | 44.39 | |



STIK-ON STRIPS & SHEETS

A/O - CLOTH

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> 9 x 11" sheets stick to work bench for sanding handheld parts Sheets easily cut to any form General grinding, deburring, edge breaking, size sanding, blending | <ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Plastics ● Composites | |

| SIZE | GRIT | PART # | PRICE EACH |
|-------------------------------------|--------------|--------------|------------|
| 1" x 11" STD. PKG. 100 | 60 | 12226 | \$.46 |
| | 80 | 12227 | .45 |
| | 100 | 12228 | .44 |
| | 120 | 12229 | .44 |
| | 150 | 12230 | .44 |
| | 180 | 12231 | .44 |
| | 240 | 12232 | .44 |
| 320 | 12233 | .44 | |
| 9" x 11" STD. PKG. 50 | 60 | 12242 | 3.19 |
| | 80 | 12243 | 2.90 |
| | 120 | 12245 | 2.82 |
| | 180 | 12247 | 2.82 |
| | 240 | 12248 | 2.82 |
| 320 | 12249 | 2.82 | |



STIK-ON/VAC HOLE HOLDERS

| SIZE | THREAD SIZE | 5 VAC PART # | 6 VAC PART # | PRICE EA. |
|-----------|--------------|--------------|--------------|-----------|
| 5" | 5/16-24 MALE | 39080 | — | \$23.32 |
| 6" | 5/16-24 MALE | — | 34730 | 25.92 |



STIK-ON PAPER DISC HOLDERS

| SIZE | THREAD SIZE | PART # | PRICE EACH |
|-----------|--------------|--------------|------------|
| 5" | 5/16-24 MALE | 11715 | \$19.79 |
| 6" | 5/16-24 MALE | 11716 | 22.38 |

HOOK & LOOP/VAC HOLE HOLDERS

| SIZE | THREAD SIZE | 5 VAC PART # | 6 VAC PART # | PRICE EA. |
|-----------|--------------|--------------|--------------|-----------|
| 5" | 5/16-24 MALE | 46809 | — | \$26.01 |
| 6" | 5/16-24 MALE | — | 46812 | 28.83 |

HOOK & LOOP PAPER DISC HOLDERS

| SIZE | THREAD SIZE | PART # | PRICE EACH |
|-----------|--------------|--------------|------------|
| 5" | 5/16-24 MALE | 40910 | \$21.44 |
| 6" | 5/16-24 MALE | 40911 | 22.00 |



UNMOUNTED FLAP WHEELS

100% Egyptian Cotton

"X" WT. CLOTH - A/O

| SIZE | GRIT | PART # | PRICE EACH |
|------------------------------------|------|--------------|------------|
| 4" x 1" x 5/8" STD. PKG. 5 | 60 | 26269 | \$12.97 |
| | 80 | 26270 | 13.52 |
| | 120 | 26272 | 14.77 |
| | 180 | 26273 | 15.87 |
| 4" x 2" x 5/8" STD. PKG. 5 | 50 | 26279 | 20.14 |
| | 60 | 26280 | 20.14 |
| | 80 | 26281 | 20.24 |
| | 120 | 26282 | 21.93 |
| 6" x 1" x 1" STD. PKG. 5 | 180 | 26283 | 23.51 |
| | 40 | 26289 | 19.32 |
| | 50 | 26290 | 19.90 |
| | 60 | 26291 | 20.25 |
| | 80 | 26292 | 21.52 |
| | 100 | 26293 | 22.44 |
| 6" x 1 1/2" x 1" STD. PKG. 5 | 120 | 26294 | 23.03 |
| | 150 | 26295 | 24.88 |
| | 180 | 26296 | 25.16 |
| | 240 | 26297 | 26.04 |
| | 40 | 26299 | 26.37 |
| | 60 | 26301 | 26.85 |
| 6" x 2" x 1" STD. PKG. 5 | 80 | 26302 | 27.30 |
| | 120 | 26303 | 28.46 |

Reducer Bushings - Page 19.

| Characteristics/Applications | Materials | Tool Selector |
|--|---|---------------|
| <ul style="list-style-type: none"> • Deburring, blending parting lines, and polishing • Removes flash from automotive castings and molded rubber • Conforms to work piece or can be preformed before application • Egyptian cotton for polishing | <ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ○ Stainless ● Plastics ● Wood ● Solid Surfaces | |

"X" WT. CLOTH - A/O

| SIZE | GRIT | PART # | PRICE EACH |
|--------------------------------|------|--------------|------------|
| 6" x 2" x 1" STD. PKG. 5 | 40 | 26304 | \$32.85 |
| | 50 | 26305 | 33.44 |
| | 60 | 26306 | 33.85 |
| | 80 | 26307 | 35.63 |
| | 100 | 26308 | 37.94 |
| | 120 | 26309 | 39.33 |
| 8" x 1" x 1" STD. PKG. 3 | 180 | 26310 | 43.85 |
| | 60 | 26315 | 32.75 |
| | 80 | 26316 | 35.06 |
| | 100 | 26317 | 37.71 |
| 8" x 2" x 1" STD. PKG. 3 | 120 | 26318 | 38.18 |
| | 180 | 26319 | 40.95 |
| | 60 | 26321 | 57.74 |
| | 80 | 26322 | 62.50 |
| 8" x 2" x 1" STD. PKG. 3 | 120 | 26323 | 69.30 |
| | 180 | 26324 | 73.34 |

Other sizes and grits available.

MINI FLAP WHEELS

100% Egyptian Cotton

| Characteristics/Applications | Materials | Tool Selector |
|--|---|---------------|
| <ul style="list-style-type: none"> • Deburring, blending parting lines, and polishing • For small hard to reach areas • Sand engine components • For inside and outside diameters of tubes • Egyptian cotton enables wheel to polish in finer grits | <ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ○ Stainless ● Plastics ● Rubber ● Wood ○ Composites | |



"X" WT. CLOTH - A/O

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH |
|---------------------------|------|-----------|--------------|------------|
| 3/8" x 3/8" 1/8" Shank | 80 | 10 | 24791 | \$4.20 |
| | 120 | | 24802 | 4.20 |
| | 180 | | 24803 | 4.20 |
| | 240 | | 24804 | 4.20 |
| | 320 | | 24805 | 4.20 |
| 5/8" x 5/8" 1/8" Shank | 80 | 10 | 24806 | 4.20 |
| | 120 | | 24807 | 4.20 |
| | 180 | | 24808 | 4.20 |
| | 240 | | 24809 | 4.20 |
| | 320 | | 24810 | 4.20 |
| 5/8" x 3/4" 1/8" Shank | 80 | 10 | 24811 | 4.62 |
| | 120 | | 24812 | 4.62 |
| | 180 | | 24813 | 4.62 |
| | 240 | | 24814 | 4.62 |
| | 320 | | 24815 | 4.62 |
| 3/4" x 5/8" 1/8" Shank | 80 | 10 | 24816 | 4.62 |
| | 120 | | 24817 | 4.62 |
| | 180 | | 24818 | 4.62 |
| | 240 | | 24819 | 4.62 |
| | 320 | | 24820 | 4.62 |

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH |
|-------------------------------|------|-----------|--------------|------------|
| 3/4" x 3/4" 1/8" Shank | 80 | 10 | 24821 | \$4.73 |
| | 120 | | 24822 | 4.73 |
| | 180 | | 24823 | 4.73 |
| | 240 | | 24824 | 4.73 |
| | 320 | | 24825 | 4.73 |
| 1 3/16" x 1/8" 1/8" Shank | 80 | 10 | 24826 | 4.41 |
| | 120 | | 24827 | 4.41 |
| | 180 | | 24828 | 4.41 |
| | 240 | | 24829 | 4.41 |
| | 320 | | 24830 | 4.41 |
| 1 3/16" x 3/16" 1/8" Shank | 80 | 10 | 24832 | 4.41 |
| | 120 | | 24833 | 4.41 |
| | 180 | | 24834 | 4.41 |
| | 240 | | 24835 | 4.41 |
| | 320 | | 24836 | 4.41 |
| 1 3/16" x 3/8" 1/8" Shank | 80 | 10 | 24837 | 4.62 |
| | 120 | | 24838 | 4.62 |
| | 180 | | 24839 | 4.62 |
| | 240 | | 24840 | 4.62 |
| | 320 | | 24841 | 4.62 |

Test Kits - Page 54.

MOUNTED FLAP WHEELS

100% Egyptian Cotton



"X" WT. CLOTH - A/O

| Characteristics/Applications | Materials | Tool Selector |
|---|---|---------------|
| <ul style="list-style-type: none"> Deburring, blending parting lines, and polishing For hard to reach areas and inside and outside tube diameters Cushioned control to polish and finesse the part Egyptian cotton enables wheel to polish in finer grits | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Rubber Wood Composites | |

| SIZE | GRIT | PART # 1/4" SHANK | PRICE EACH | PART # 1/4-20 | PRICE EACH |
|-------------------------------|------|----------------------|---------------|------------------|---------------|
| 3/4" x 3/4" STD. PKG. 10 | 60 | 21881 | \$3.22 | — | — |
| | 80 | 21882 | 3.22 | — | — |
| | 120 | 33358 | 3.22 | — | — |
| 1" x 5/8" STD. PKG. 10 | 60 | 10101 | 3.22 | 10160 | \$3.50 |
| | 80 | 10102 | 3.22 | 10161 | 3.50 |
| | 120 | 10103 | 3.22 | 10162 | 3.50 |
| 1" x 1" STD. PKG. 10 | 60 | 10104 | 3.00 | 10163 | 3.28 |
| | 80 | 10105 | 3.00 | 10164 | 3.28 |
| | 120 | 10106 | 3.00 | 10165 | 3.28 |
| | 180 | 10107 | 3.00 | — | — |
| | 240 | 17116 | 3.22 | — | — |
| 1 1/2" x 1/2" STD. PKG. 10 | 60 | 10108 | 3.28 | 10167 | 3.55 |
| | 80 | 10109 | 3.28 | 10168 | 3.55 |
| | 120 | 10110 | 3.28 | 10169 | 3.55 |
| 1 1/2" x 1" STD. PKG. 10 | 60 | 10114 | 3.71 | 10173 | 3.99 |
| | 80 | 10115 | 3.71 | 10174 | 3.99 |
| | 120 | 10116 | 3.71 | 10175 | 3.99 |
| | 180 | 10117 | 3.71 | — | — |
| 2" x 1/2" STD. PKG. 10 | 60 | 10118 | 3.83 | 10177 | 4.09 |
| | 80 | 10119 | 3.83 | 10178 | 4.09 |
| | 120 | 10120 | 3.83 | 10179 | 4.09 |

Other sizes and grits available.

| SIZE | GRIT | PART # 1/4" SHANK | PRICE EACH | PART # 1/4-20 | PRICE EACH |
|-----------------------------|------|----------------------|---------------|------------------|---------------|
| 2" x 1" STD. PKG. 10 | 40 | 10124 | \$4.26 | — | — |
| | 60 | 10125 | 4.26 | 10184 | \$4.53 |
| | 80 | 10126 | 4.26 | 10185 | 4.53 |
| | 120 | 10127 | 4.26 | 10186 | 4.53 |
| | 180 | 10128 | 4.47 | — | — |
| 2" x 1 1/2" STD. PKG. 10 | 60 | 10130 | 5.24 | — | — |
| | 80 | 10131 | 5.24 | — | — |
| | 120 | 10132 | 5.24 | — | — |
| 2 1/2" x 1" STD. PKG. 10 | 60 | 10136 | 5.24 | 10192 | 5.51 |
| | 80 | 10137 | 5.24 | 10193 | 5.51 |
| | 120 | 10138 | 5.24 | — | — |
| 3" x 1/2" STD. PKG. 10 | 60 | 10142 | 4.92 | 10196 | 5.18 |
| | 80 | 10143 | 4.92 | 10197 | 5.18 |
| | 120 | 10144 | 4.92 | — | — |
| 3" x 1" STD. PKG. 10 | 40 | 10148 | 5.46 | — | — |
| | 60 | 10149 | 5.46 | 10203 | 5.73 |
| | 80 | 10150 | 5.46 | 10204 | 5.73 |
| | 120 | 10151 | 5.46 | 10205 | 5.73 |
| | 180 | 10152 | 5.68 | 10206 | 5.95 |
| 3" x 2" STD. PKG. 10 | 60 | 10157 | 7.75 | — | — |
| | 80 | 10158 | 7.75 | — | — |
| | 120 | 10159 | 7.75 | — | — |
| 1/4-20 ADAPTER 1/4" SK. | | | | PART # 10208 | \$2.48 |

Flap Wheel Test Kit — Page 54.

COST CONTROL WHEELS



"X" WT. CLOTH - A/O

| Characteristics/Applications | Materials | Tool Selector |
|---|---|---------------|
| <ul style="list-style-type: none"> Stiff poly/cotton material First choice for heavy burr removal Great for getting into small hard to reach areas Sand ID & OD of tubes Cushioned control to finesse polish | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Rubber Wood | |

| SIZE | STD. PKG. | GRIT | PART # | PRICE EACH |
|---------------------------|-----------|------|--------|------------|
| 1" x 1" 1/4" Shank | 10 | 60 | 31809 | \$2.24 |
| | | 80 | 31810 | 2.24 |
| | | 120 | 31811 | 2.24 |
| 1 1/2" x 1" 1/4" Shank | 10 | 60 | 31812 | 2.88 |
| | | 80 | 31813 | 2.88 |
| | | 120 | 31814 | 2.88 |
| 2" x 1" 1/4" Shank | 10 | 60 | 31815 | 3.20 |
| | | 80 | 31816 | 3.20 |
| | | 120 | 31817 | 3.20 |
| 3" x 1" 1/4" Shank | 10 | 60 | 31818 | 4.37 |
| | | 80 | 31819 | 4.37 |
| | | 120 | 31820 | 4.37 |

Other sizes and grits available.

FLAP MOPS

100% Egyptian Cotton



"J" WT. CLOTH - A/O

| Characteristics/Applications | Materials | Tool Selector |
|---|---|---------------|
| <ul style="list-style-type: none"> Highly conformable Great for polishing intricate parts Cushioned control enables operator to finesse polish Sand ID and OD of tubes Polish and debur irregular surfaces | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Rubber Wood | |

| SIZE DIA. X WIDTH | GRIT | STD. PKG. | PART# | PRICE EACH |
|-------------------------------|------|--------------|-------|------------|
| 2" x 1" 1/4" Shank | 120 | 10 | 28967 | \$9.14 |
| | 180 | | 28968 | 9.14 |
| | 240 | | 28969 | 9.14 |
| | 320 | | 28970 | 9.14 |
| 2 1/2" x 1 1/2" 1/4" Shank | 120 | 10 | 28971 | 13.20 |
| | 180 | | 28973 | 13.20 |
| | 240 | | 28974 | 13.20 |
| 3" x 2" 1/4" Shank | 120 | 5 | 28954 | 18.39 |
| | 180 | | 28955 | 18.39 |
| | 240 | | 28145 | 18.39 |
| | 320 | | 28956 | 18.39 |

BORE POLISHERS

Material Description - Page 21



SK-8 SERIES

SK-4 SERIES

SK-305

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> Self-centers to interior of tubes Flush wall sanding for smooth operation Precise flap spacing ensures balance Ideal for deburring, sizing, and cleaning cylinders, tubes, and hydraulic fittings | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics | |

"X" WT. - 60 GRIT & UNDER - A/O

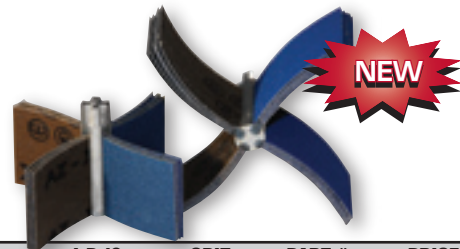
| STYLE | I.D.'S | GRIT | PART # | PRICE EA. |
|-------------------------------|------------------|------|--------|-----------|
| SK-305 STD. PKG. 10 | 3/4" TO 1" | 60 | 39161 | \$4.75 |
| | | 80 | 39162 | 4.75 |
| | | 120 | 39163 | 4.75 |
| | | 180 | 39164 | 4.75 |
| SK-405 STD. PKG. 10 | 1" TO 1 1/2" | 60 | 39165 | 8.82 |
| | | 80 | 39166 | 8.82 |
| | | 120 | 39117 | 8.82 |
| | | 180 | 39167 | 8.82 |
| SK-410 STD. PKG. 10 | 1 1/2" TO 2" | 60 | 39168 | 9.24 |
| | | 80 | 39169 | 9.24 |
| | | 120 | 39170 | 9.24 |
| | | 180 | 39171 | 9.24 |
| SK-415 STD. PKG. 10 | 2 1/8" TO 2 1/2" | 60 | 39172 | 9.71 |
| | | 80 | 39173 | 9.71 |
| | | 120 | 39174 | 9.71 |
| | | 180 | 39175 | 9.71 |
| SK-420 STD. PKG. 10 | 2 1/2" TO 3" | 60 | 39176 | 10.14 |
| | | 80 | 39177 | 10.14 |
| | | 120 | 39178 | 10.14 |
| | | 180 | 39179 | 10.14 |
| SK-425 STD. PKG. 10 | 3 1/8" TO 4" | 60 | 39180 | 10.45 |
| | | 80 | 39181 | 10.45 |

"T" WT. - 80 GRIT & ABOVE - A/O

| STYLE | I.D.'S | GRIT | PART # | PRICE EA. |
|-------------------------------|------------------|------|--------|-----------|
| SK-425 STD. PKG. 10 | 3 1/8" TO 4" | 120 | 39182 | \$10.45 |
| | | 180 | 39183 | 10.45 |
| SK-810 STD. PKG. 10 | 2" TO 2 1/2" | 60 | 39184 | 16.57 |
| | | 80 | 39185 | 16.57 |
| | | 120 | 39186 | 16.57 |
| SK-815 STD. PKG. 10 | 2 5/8" TO 3" | 60 | 39188 | 17.42 |
| | | 80 | 39189 | 17.42 |
| | | 120 | 39190 | 17.42 |
| SK-820 STD. PKG. 10 | 3 1/8" TO 4" | 60 | 39192 | 18.48 |
| | | 80 | 39193 | 18.48 |
| | | 120 | 39194 | 18.48 |
| SK-825 STD. PKG. 10 | 4 1/4" TO 5 1/4" | 180 | 39195 | 18.48 |
| | | 60 | 39196 | 19.43 |
| | | 80 | 39197 | 19.43 |
| SK-830 STD. PKG. 10 | 5 1/4" TO 5 7/8" | 120 | 39198 | 19.43 |
| | | 180 | 39199 | 19.43 |
| | | 60 | 39200 | 20.27 |
| SK-830 STD. PKG. 10 | 5 1/4" TO 5 7/8" | 80 | 39201 | 20.27 |
| | | 120 | 39202 | 20.27 |
| | | 180 | 39203 | 20.27 |

BORE POLISHERS

Material Description - Page 21



"X" WT. - ZIRC

| STYLE | I.D.'S | GRIT | PART # | PRICE EA. |
|-------------------------------|--------------|------|--------|-----------|
| SK-305 STD. PKG. 10 | 3/4" TO 1" | 60 | 46169 | \$5.12 |
| | | 80 | 46170 | 5.12 |
| | | 120 | 46171 | 5.12 |
| | | 180 | 46172 | 5.12 |
| SK-405 STD. PKG. 10 | 1" TO 1 1/2" | 60 | 46173 | 9.51 |
| | | 80 | 46174 | 9.51 |
| | | 120 | 46175 | 9.51 |
| | | 180 | 46176 | 9.51 |
| SK-410 STD. PKG. 10 | 1 1/2" TO 2" | 60 | 46177 | 9.67 |
| | | 80 | 46178 | 9.67 |
| | | 120 | 46179 | 9.67 |
| | | 180 | 46180 | 9.67 |

| STYLE | I.D.'S | GRIT | PART # | PRICE EA. |
|-------------------------------|------------------|------|--------|-----------|
| SK-415 STD. PKG. 10 | 2 1/8" TO 2 1/2" | 60 | 17218 | \$10.48 |
| | | 80 | 17219 | 10.48 |
| | | 120 | 17220 | 10.48 |
| | | 180 | 17221 | 10.48 |
| SK-420 STD. PKG. 10 | 2 1/2" TO 3" | 60 | 46181 | 10.93 |
| | | 80 | 46182 | 10.93 |
| | | 120 | 46183 | 10.93 |
| | | 180 | 46184 | 10.93 |
| SK-820 STD. PKG. 10 | 3 1/8" TO 4" | 60 | 46195 | 19.93 |
| | | 80 | 46196 | 19.93 |
| | | 120 | 46197 | 19.93 |
| | | 180 | 46239 | 19.93 |

LONGER SHANKS

| STYLE | DESCRIPTION | THREAD | PART # | PRICE EA. |
|---------------|----------------|--------|--------|-----------|
| SK-144 | 1/4" X 4" LONG | 1/4-20 | 39207 | \$3.65 |
| SK-146 | 1/4" X 6" LONG | 1/4-20 | 39208 | 3.89 |
| SK-148 | 1/4" X 8" LONG | 1/4-20 | 39209 | 4.06 |

MANDRELS — 1/4" SHANK

| STYLE | DESCRIPTION | THREAD | PART # | PRICE EA. |
|-------------|---------------|----------|--------|-----------|
| SK-3 | SK-305-SERIES | 5/16 -18 | 39204 | \$6.16 |
| SK-4 | SK-4 SERIES | 1/2-20 | 39205 | 8.00 |
| SK-8 | SK-8 SERIES | 1/4-20 | 39206 | 2.24 |

Red Part Numbers Are Stock Items

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CARTRIDGE ROLLS

Material Description - Page 21

"X" WT. CLOTH - A/O

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---|
| <ul style="list-style-type: none"> Aggressive cutting action Layers cut through, continually exposing fresh grain 100% cotton cushions the cut in finer grits to polish | <ul style="list-style-type: none">  Ferrous  Non-Ferrous  Stainless  Exotics  Plastics |  |



| SIZE | GRIT | PART # | PRICE EACH |
|--|------|--------|------------|
| 3/16" x 1" x 3/32" STD. PKG. 100 | 80 | 11860 | \$.22 |
| | 100 | 18094 | .22 |
| | 120 | 11861 | .22 |
| | 180 | 18970 | .22 |
| 1/4" x 1" x 1/8" STD. PKG. 100 | 60 | 11862 | .22 |
| | 80 | 11863 | .22 |
| | 100 | 11864 | .22 |
| | 120 | 11865 | .22 |
| | 180 | 11866 | .22 |
| | 240 | 16984 | .22 |
| 1/4" x 1 1/2" x 1/8" STD. PKG. 100 | 60 | 11867 | .27 |
| | 80 | 11868 | .27 |
| | 100 | 11869 | .27 |
| | 120 | 11870 | .27 |
| | 180 | 11871 | .27 |
| | 240 | 16719 | .27 |
| 1/4" x 2" x 1/8" STD. PKG. 100 | 80 | 18666 | .34 |
| | 120 | 19723 | .34 |
| 5/16" x 1" x 1/8" STD. PKG. 100 | 60 | 19732 | .23 |
| | 80 | 16783 | .23 |
| | 120 | 18874 | .23 |
| 5/16" x 1 1/2" x 1/8" STD. PKG. 100 | 60 | 19741 | .30 |
| | 80 | 11872 | .30 |
| | 120 | 17068 | .30 |
| 3/8" x 1" x 1/8" STD. PKG. 100 | 60 | 11873 | .23 |
| | 80 | 11874 | .23 |
| | 100 | 19750 | .23 |
| | 120 | 11875 | .23 |
| | 180 | 11876 | .26 |
| | 240 | 19752 | .26 |
| 3/8" x 1 1/2" x 1/8" STD. PKG. 100 | 60 | 11877 | .30 |
| | 80 | 11878 | .30 |
| | 100 | 11879 | .30 |
| | 120 | 11880 | .30 |
| | 180 | 11881 | .33 |
| | 240 | 17160 | .33 |
| 3/8" x 2" x 1/8" STD. PKG. 100 | 60 | 21071 | .35 |
| | 80 | 18665 | .35 |
| | 120 | 23006 | .37 |
| 1/2" x 1" x 1/8" STD. PKG. 100 | 60 | 11882 | .29 |
| | 80 | 11883 | .29 |

Other sizes and grits available.
Cartridge Roll Kit - Page 51.

| SIZE | GRIT | PART # | PRICE EACH |
|--|------------------------------------|--------|------------|
| 1/2" x 1" x 1/8" STD. PKG. 100 | 100 | 11884 | \$.30 |
| | 120 | 11885 | .30 |
| | 180 | 11886 | .32 |
| | 240 | 18710 | .32 |
| | 320 | 16986 | .32 |
| 1/2" x 1 1/2" x 1/8" STD. PKG. 100 | 36 | 11887 | .39 |
| | 50 | 11888 | .39 |
| | 60 | 11889 | .39 |
| | 80 | 11890 | .39 |
| | 100 | 11891 | .39 |
| | 120 | 11892 | .39 |
| | 180 | 11893 | .40 |
| 1/2" x 2" x 1/8" STD. PKG. 100 | 50 | 19789 | .50 |
| | 60 | 17167 | .50 |
| | 80 | 16642 | .50 |
| | 120 | 18475 | .50 |
| | 5/8" x 1" x 3/16" STD. PKG. 100 | 60 | 44878 |
| 80 | | 22008 | .46 |
| 120 | | 22984 | .46 |
| 5/8" x 1 1/2" x 3/16" STD. PKG. 100 | 60 | 19799 | .57 |
| | 80 | 19828 | .57 |
| | 120 | 19830 | .57 |
| 3/4" x 1" x 3/16" STD. PKG. 100 | 60 | 19852 | .52 |
| | 80 | 19853 | .52 |
| | 120 | 17007 | .52 |
| 3/4" x 1" x 1/4" STD. PKG. 100 | 60 | 17061 | .52 |
| | 80 | 16655 | .52 |
| | 120 | 16716 | .52 |
| 3/4" x 1 1/2" x 3/16" STD. PKG. 100 | 60 | 16069 | .66 |
| | 80 | 16704 | .66 |
| | 100 | 19880 | .66 |
| | 120 | 19881 | .69 |
| 3/4" x 1 1/2" x 1/4" STD. PKG. 100 | 60 | 11896 | .66 |
| | 80 | 11897 | .66 |
| | 120 | 11898 | .69 |
| 3/4" x 2" x 1/4" STD. PKG. 100 | 60 | 11899 | .88 |
| | 80 | 11900 | .88 |
| | 120 | 17120 | .88 |
| 1" x 1 1/2" x 1/4" STD. PKG. 100 | 60 | 17006 | 1.10 |
| | 80 | 18604 | 1.18 |
| 1" x 2" x 1/4" STD. PKG. 100 | 60 | 11901 | 1.39 |
| | 80 | 11902 | 1.43 |

Available in S/C Grits: 36, 40, 60, 80, 120, 150, 180.
Available in Zirc Grits: 36, 50, 60, 80, 120.

Available in Silicon & Zirc:

For silicon, multiply price above by 1.10
For zirc, multiply price above by 1.45

COST CONTROL CARTRIDGE ROLLS

Material Description - Page 21

"X" WT. CLOTH - A/O



Other sizes and grits are available.

| SIZE | GRIT | PART # | PRICE EACH |
|--|------|--------|------------|
| 1/4" x 1" x 1/8" STD. PKG. 100 | 60 | 17521 | \$.19 |
| | 80 | 17522 | .19 |
| | 120 | 17523 | .19 |
| 1/4" x 1 1/2" x 1/8" STD. PKG. 100 | 60 | 17525 | .23 |
| | 80 | 17526 | .23 |
| | 120 | 46813 | .23 |
| 3/8" x 1 1/2" x 1/8" STD. PKG. 100 | 60 | 17538 | .27 |
| | 80 | 17539 | .27 |
| | 120 | 17540 | .27 |
| 1/2" x 1 1/2" x 1/8" STD. PKG. 100 | 60 | 17550 | .35 |
| | 80 | 17551 | .35 |
| | 120 | 17556 | .35 |
| 3/4" x 1 1/2" x 3/16" STD. PKG. 100 | 60 | 17562 | .58 |
| | 80 | 17563 | .58 |
| | 120 | 17564 | .58 |

FULL TAPERED ROLLS

Material Description - Page 21

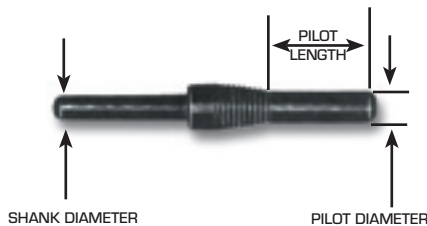
"X" WT. CLOTH - A/O

| SIZE | GRIT | PART # | PRICE EACH |
|---------------------------------------|------|--------|------------|
| 3/8" x 1" x 1/8" STD. PKG. 100 | 60 | 11904 | \$.49 |
| | 80 | 11905 | .49 |
| | 120 | 11906 | .49 |
| | 180 | 11907 | .49 |
| 3/8" x 1 1/2" x 1/8" STD. PKG. 100 | 60 | 11908 | .51 |
| | 80 | 11909 | .51 |
| | 120 | 11910 | .51 |
| 1/2" x 1" x 1/8" STD. PKG. 100 | 60 | 11912 | .53 |
| | 80 | 11913 | .53 |
| | 120 | 11914 | .53 |
| 1/2" x 1 1/2" x 1/8" STD. PKG. 100 | 36 | 16265 | .60 |
| | 50 | 17000 | .60 |
| | 60 | 11916 | .60 |
| | 80 | 11917 | .60 |

Other sizes and grits available.

| SIZE | GRIT | PART # | PRICE EACH |
|--|------|--------|------------|
| 1/2" x 1 1/2" x 1/8" STD. PKG. 100 | 100 | 17001 | \$.60 |
| | 120 | 11918 | .60 |
| | 180 | 11919 | .60 |
| | 240 | 16987 | .60 |
| | 320 | 16988 | .60 |
| 1/2" x 2" x 1/8" STD. PKG. 100 | 60 | 16751 | .66 |
| | 80 | 20099 | .66 |
| | 120 | 30091 | .66 |
| 5/8" x 1 1/2" x 3/16" STD. PKG. 100 | 60 | 38597 | .78 |
| | 80 | 16615 | .78 |
| 3/4" x 1 1/2" x 3/16" STD. PKG. 100 | 60 | 16993 | .88 |
| | 80 | 16652 | .88 |
| 1" x 1 1/2" x 3/16" STD. PKG. 100 | 60 | 30341 | 1.20 |
| | 80 | 30342 | 1.20 |

CARTRIDGE ROLL MANDRELS



PILOT LENGTH FOR MANDRELS

Rolls 1" long, use 3/4" pilot length.
Rolls 1 1/2" long, use 1" pilot length.
Rolls 2" long, use 1 1/2" pilot length.

| STYLE NO. | PILOT DIAMETER | PILOT LENGTH | SHANK DIAMETER | SHANK LENGTH | O/A LENGTH | PART # | PRICE EACH |
|-----------|----------------|--------------|----------------|--------------|------------|--------|------------|
| CRM-1 | 5/64" | 3/4" | 1/8" | 1" | 2 3/4" | 11920 | \$3.93 |
| CRM-2 | 3/32" | 3/4" | 1/8" | 1" | 2 3/4" | 11921 | 2.78 |
| CRM-2F | 3/32" | 1" | 1/4" | 1" | 3" | 46933 | 2.97 |
| CRM-2E | 3/32" | 3/4" | 1/4" | 1" | 2 3/4" | 46934 | 2.97 |
| CRM-4 | 1/8" | 3/4" | 1/8" | 1" | 2 3/4" | 11923 | 2.78 |
| CRM-5 | 1/8" | 1" | 1/8" | 1" | 3" | 11924 | 2.78 |
| CRM-6 | 1/8" | 1 1/2" | 1/8" | 1" | 3 1/2" | 11925 | 2.78 |
| CRM-7 | 1/8" | 1/2" | 1/4" | 1 1/4" | 2 1/4" | 11926 | 2.78 |
| CRM-8 | 1/8" | 3/4" | 1/4" | 1 1/4" | 2 1/2" | 11927 | 2.78 |
| CRM-8-6 | 1/8" | 3/4" | 1/4" | 4 1/2" | 6" | 11928 | 9.64 |
| CRM-9 | 1/8" | 1" | 1/4" | 1 1/4" | 2 3/4" | 11929 | 2.78 |
| CRM-9-6 | 1/8" | 1" | 1/4" | 4 1/4" | 6" | 11930 | 9.64 |
| CRM-9-8 | 1/8" | 1" | 1/4" | 6 1/4" | 8" | 11931 | 11.28 |
| CRM-10 | 1/8" | 1 1/2" | 1/4" | 1 1/4" | 3 1/4" | 11932 | 2.78 |
| CRM-15 | 3/16" | 3/4" | 1/4" | 1 1/4" | 2 3/4" | 11934 | 2.89 |
| CRM-16 | 3/16" | 1" | 1/4" | 1 1/4" | 3" | 11935 | 2.89 |
| CRM-16-6 | 3/16" | 1" | 1/4" | 4 1/4" | 6" | 11936 | 10.15 |
| CRM-17 | 3/16" | 1 1/2" | 1/4" | 1 1/4" | 3 1/2" | 11937 | 3.06 |
| CRM-20 | 1/4" | 3/4" | 1/4" | 1 1/4" | 2 3/4" | 11939 | 2.89 |
| CRM-21 | 1/4" | 1" | 1/4" | 1 1/4" | 3" | 11940 | 2.89 |
| CRM-21-6 | 1/4" | 1" | 1/4" | 4 1/4" | 6" | 11941 | 11.29 |
| CRM-22 | 1/4" | 1 1/2" | 1/4" | 1 1/4" | 3 1/2" | 11942 | 3.06 |

CROSS & SQUARE PADS

Material Description - Page 21



CROSS PADS - A/O

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> Propeller-like construction allows operator to see work piece Flexible sanding for chamfering, edge breaking, tube finishing Great for deburring window wells, cleaning hydraulic cylinders, deburring drilled holes | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Composites | |

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH |
|--------------------------------------|------|-----------|--------|------------|
| 1" x 1" x 3/8" 8 Ply 3-48 | 60 | 100 | 21281 | \$1.07 |
| | 80 | | 21282 | 1.07 |
| | 120 | | 21284 | 1.07 |
| 1 1/2" x 1 1/2" x 1/2" 8 Ply 8-32 | 60 | 100 | 13523 | 1.12 |
| | 80 | | 13524 | 1.12 |
| | 120 | | 13526 | 1.12 |
| 2" x 2" x 1/2" 8 Ply 8-32 | 60 | 100 | 13545 | 1.17 |
| | 80 | | 13546 | 1.17 |
| | 120 | | 13548 | 1.17 |
| 2" x 2" x 3/4" 8 Ply 8-32 | 60 | 100 | 13567 | 1.35 |
| | 80 | | 13568 | 1.35 |
| | 120 | | 13570 | 1.35 |
| 3" x 3" x 1" 8 Ply 1/4-20 | 60 | 100 | 13743 | 2.14 |
| | 80 | | 13744 | 2.14 |
| | 120 | | 13746 | 2.14 |
| 4" x 4" x 1" 8 Ply 1/4-20 | 60 | 100 | 13787 | 2.98 |
| | 80 | | 13788 | 2.98 |
| | 120 | | 13790 | 2.98 |

SQUARE PADS - A/O

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> Intermittent strokes of corners provides aggressive grinding Fast cutting action, ideal for removing weld beads Layers cut through, continually exposing fresh grain | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Composites | |

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH |
|----------------------------------|------|-----------|--------|------------|
| 1 1/2" x 1 1/2" x 3/8" 1/4-20 | 60 | 100 | 13998 | \$2.30 |
| | 80 | | 13999 | 2.30 |
| | 120 | | 14001 | 2.43 |
| 1 1/2" x 1 1/2" x 1/2" 1/4-20 | 60 | 100 | 14009 | 3.08 |
| | 80 | | 14010 | 3.08 |
| | 120 | | 14012 | 3.23 |
| 1 1/2" x 1 1/2" x 3/4" 1/4-20 | 60 | 100 | 14020 | 5.07 |
| | 80 | | 14021 | 5.07 |
| | 120 | | 14023 | 5.31 |
| 2" x 2" x 3/8" 1/4-20 | 60 | 100 | 14042 | 3.32 |
| | 80 | | 14043 | 3.32 |
| | 120 | | 14045 | 3.49 |
| 2" x 2" x 1/2" 1/4-20 | 60 | 100 | 14053 | 3.92 |
| | 80 | | 14054 | 3.92 |
| | 120 | | 14056 | 4.11 |
| 3" x 3" x 1/2" 1/4-20 | 60 | 100 | 14097 | 6.20 |
| | 80 | | 14098 | 6.20 |
| | 120 | | 14100 | 6.50 |

Other sizes and grits available.

MANDRELS FOR CROSS & SQUARE PADS

| STYLE | DESCRIPTION | PART # | PRICE EACH |
|-------|----------------------------|--------|------------|
| EM-2 | 3-48 Eyelet - 1/4" Shank | 21316 | \$3.90 |
| EM-3 | 8-32 Eyelet - 1/4" Shank | 12218 | 3.90 |
| EM-4 | 1/4-20 Eyelet - 1/4" Shank | 12219 | 3.90 |

60° CENTER LAPS

Material Description - Page 21



| Characteristics/Applications | Materials | Tool Selector |
|---|--|---|
| <ul style="list-style-type: none"> Rigid center lap holder reduces chatter Abrasive cloth will not slip with locknut holding system Designed to chamfer, debur and edge breaking of holes, round parts | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Exotics Composites | Center Lapping Machines & Drill Presses |

| SIZE | GRIT | PART # | PRICE EA. | HOLDERS | PART # | PRICE EACH |
|-------------------------------|------|--------|-----------|-----------------------|--------|------------|
| 3/4" - 60° STD. PKG. 100 | 60 | 12191 | \$.87 | 3/4"-60° x 1/2" SK. | 12199 | \$38.49 |
| | 80 | 12192 | .87 | | | |
| | 120 | 12193 | .87 | | | |
| | 180 | 12194 | .87 | | | |
| 1 1/2" - 60° STD. PKG. 100 | 60 | 12195 | 1.02 | 1 1/2"-60° x 1/2" SK. | 12200 | 41.66 |
| | 80 | 12196 | 1.02 | | | |
| | 120 | 12197 | 1.02 | | | |
| | 180 | 12198 | 1.02 | | | |

SPIRAL WOUND BANDS

Material Description - Page 21



| Characteristics/Applications | Materials | Tool Selector |
|---|---|---------------|
| <ul style="list-style-type: none"> Precise diameter sanding Sand contoured parts Quickly replace dull band with new one, no down time Remove parting lines, surface imperfections, tool marks, burrs Remove flashing from metal, plastic, rubber | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Rubber Composites | |

"X" WT. CLOTH - A/O

| DIA. X LENGTH | GRIT | PART # | PRICE EACH |
|---------------------------------------|--------------|--------------|------------|
| 1/2" X 1/2" STD. PKG. 100 | 60 | 11947 | \$.35 |
| | 80 | 11948 | .35 |
| | 100 | 19208 | .35 |
| | 120 | 11949 | .35 |
| 1/2" X 1" STD. PKG. 100 | 36 | 11950 | .42 |
| | 50 | 11952 | .39 |
| | 60 | 11953 | .39 |
| | 80 | 11954 | .37 |
| | 100 | 16075 | .37 |
| 1/2" X 2" STD. PKG. 100 | 120 | 11955 | .37 |
| | 36 | 19245 | .60 |
| | 60 | 16671 | .57 |
| | 80 | 17169 | .57 |
| 3/4" X 1" STD. PKG. 100 | 120 | 17170 | .57 |
| | 36 | 11962 | .44 |
| | 50 | 11964 | .42 |
| | 60 | 11965 | .39 |
| 3/4" X 1 1/2" STD. PKG. 100 | 80 | 11966 | .39 |
| | 100 | 19305 | .39 |
| | 120 | 11967 | .39 |
| | 180 | 19307 | .39 |
| | 36 | 11968 | .58 |
| 3/4" X 2" STD. PKG. 100 | 60 | 11971 | .57 |
| | 80 | 11972 | .54 |
| | 120 | 11973 | .51 |
| | 36 | 11974 | .75 |
| 1" X 1" STD. PKG. 100 | 50 | 11976 | .72 |
| | 60 | 11977 | .70 |
| | 80 | 11978 | .69 |
| | 24 | 11980 | .46 |
| | 36 | 11981 | .44 |
| | 40 | 11982 | .42 |
| | 50 | 11983 | .42 |
| | 60 | 11984 | .39 |
| 80 | 11985 | .39 | |
| 1" X 1 1/2" STD. PKG. 100 | 100 | 16965 | .39 |
| | 120 | 11986 | .39 |
| | 180 | 18579 | .39 |
| | 24 | 11987 | .64 |
| | 36 | 11988 | .62 |
| | 50 | 11990 | .59 |
| | 60 | 11991 | .59 |
| 80 | 11992 | .57 | |
| 120 | 11993 | .56 | |

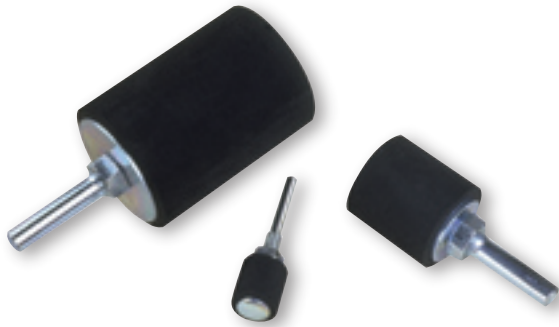
| DIA. X LENGTH | GRIT | PART # | PRICE EACH |
|---|-------|--------------|------------|
| 1 1/2" X 1" STD. PKG. 100 | 36 | 16765 | \$.46 |
| | 40 | 18762 | .44 |
| | 60 | 18765 | .42 |
| | 80 | 16683 | .42 |
| | 100 | 19459 | .42 |
| 1 1/2" X 1 1/2" STD. PKG. 100 | 24 | 12001 | .69 |
| | 36 | 12002 | .67 |
| | 40 | 12003 | .67 |
| | 50 | 12004 | .65 |
| | 60 | 12005 | .62 |
| | 80 | 12006 | .62 |
| 2" X 1" STD. PKG. 100 | 120 | 12007 | .62 |
| | 36 | 12016 | .58 |
| | 40 | 12017 | .57 |
| | 60 | 12019 | .51 |
| 2" X 1 1/2" STD. PKG. 100 | 80 | 12020 | .51 |
| | 120 | 12021 | .51 |
| | 24 | 12022 | .81 |
| | 36 | 12023 | .79 |
| 2" X 2" STD. PKG. 100 | 40 | 12024 | .76 |
| | 60 | 12026 | .72 |
| | 80 | 12027 | .72 |
| | 24 | 12029 | 1.05 |
| 3" X 3" STD. PKG. 100 | 36 | 12030 | 1.01 |
| | 40 | 12031 | .98 |
| | 60 | 12033 | .95 |
| | 80 | 12034 | .95 |
| | 120 | 12035 | .95 |
| | 24 | 12050 | 2.02 |
| 36 | 12051 | 1.89 | |
| 40 | 12052 | 1.84 | |
| 60 | 12054 | 1.72 | |
| 80 | 12055 | 1.70 | |
| 120 | 12056 | 1.70 | |

S/C & Zirc available. Call for price and delivery.
Mandrels - Page 38.

Other sizes and grits available.



EXPANDING DRUMS

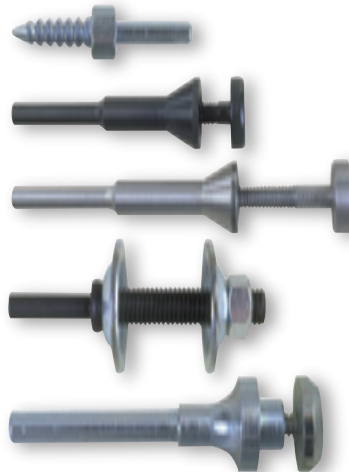


| SIZE | PART # | PRICE EACH |
|----------------------|--------------|------------|
| 1/4" x 1/2" x 1/8" | 12057 | \$3.63 |
| 3/8" x 1/2" x 1/8" | 12058 | 3.58 |
| 1/2" x 1/2" x 1/8" | 12059 | 3.58 |
| 1/2" x 1/2" x 1/4" | 12060 | 3.58 |
| 1/2" x 1" x 1/4" | 12061 | 3.58 |
| 1/2" x 1 1/2" x 1/4" | 12062 | 3.74 |

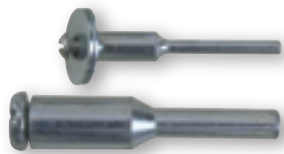
| SIZE | PART # | PRICE EACH |
|------------------------|--------------|------------|
| 1/2" x 2" x 1/4" | 12063 | \$4.24 |
| 5/8" x 1 1/2" x 1/4" | 12066 | 4.18 |
| 5/8" x 2" x 1/4" | 12067 | 4.40 |
| 3/4" x 1/2" x 1/4" | 12068 | 3.58 |
| 3/4" x 1" x 1/4" | 12069 | 3.69 |
| 3/4" x 1 1/2" x 1/4" | 12070 | 4.07 |
| 3/4" x 2" x 1/4" | 12071 | 4.40 |
| 1" x 1" x 1/4" | 12073 | 3.69 |
| 1" x 1 1/2" x 1/4" | 12074 | 4.07 |
| 1" x 2" x 1/4" | 12075 | 5.28 |
| 1" x 3" x 1/4" | 12076 | 15.13 |
| 1 1/2" x 1" x 1/4" | 12080 | 5.12 |
| 1 1/2" x 1 1/2" x 1/4" | 12081 | 5.74 |
| 2" x 1/2" x 1/4" | 12083 | 6.71 |
| 2" x 1" x 1/4" | 12084 | 6.71 |
| 2" x 1 1/2" x 1/4" | 12085 | 7.26 |
| 2" x 2" x 1/4" | 12086 | 8.47 |
| 3" x 3" x 3/8" | 12090 | 30.80 |

WHEEL MANDRELS

| STYLE | MAX. WHEEL THICKNESS | ARBOR HOLE | SHANK | PART # | PRICE EACH |
|----------------|----------------------|-------------|-------|--------------|------------|
| W-11 | 1" | 3/16" | 1/4" | 37519 | \$8.58 |
| W-14 | 1/4" | 1/4" | 1/4" | 12213 | 8.20 |
| W-38 | 1/4" | 3/8" | 1/4" | 12214 | 8.53 |
| W-1438 | 1/4" | 1/4" & 3/8" | 1/4" | 26222 | 9.63 |
| W-14-5 | 1/2" | 1/4" | 1/4" | 35733 | 16.63 |
| W-14-10 | 1" | 1/4" | 1/4" | 35734 | 17.84 |
| 1342 | 5/8" | 1/4" | 1/4" | 10540 | 8.36 |
| W-23 | 3/4" | 3/8" | 1/4" | 12215 | 8.75 |
| W-24 | 1/2" | 1/2" | 1/4" | 12216 | 9.90 |
| D12-1 | 1/4" | 1/4" | 1/4" | 12211 | 8.31 |
| D12-2 | 1/4" | 3/8" | 1/4" | 12212 | 8.31 |




DISC MANDRELS



| STYLE | ARBOR HOLE | O.A.L. | SHANK | PART # | PRICE EACH |
|-------------|------------|--------|-------|--------------|------------|
| D-1 | 1/16" | 1 3/4" | 1/8" | 12220 | \$5.34 |
| D-2 | 1/8" | 1 3/4" | 1/8" | 12221 | 5.39 |
| D3-1 | 1/8" | 2" | 1/4" | 12222 | 5.74 |
| D3-2 | 1/4" | 2" | 1/4" | 12223 | 5.39 |
| D4-1 | 1/8" | 3" | 1/4" | 12224 | 6.66 |
| D4-2 | 1/4" | 3" | 1/4" | 12225 | 6.33 |

FLEXIBLE "J" WT. RESIN CLOTH - A/O

| Characteristics/Applications | Materials | Tool Selector |
|---|---|---|
| <ul style="list-style-type: none"> Flexible material, fast cutting action Easily used for hand applications Ideal for lathe work when sanding to precise size Use what you need to reduce waste Standard tool for maintenance departments, machine shops | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Rubber Composites |  |

| SIZE | GRIT | PART # | PRICE EACH |
|--|--------|--------------|------------|
| 1" x 50 Yds. STD. PKG. 1 | 50J | 12106 | \$31.62 |
| | 60J | 12107 | 28.39 |
| | 80J | 12108 | 24.80 |
| | 100J | 12109 | 23.24 |
| | 120J | 12110 | 23.24 |
| | 150J | 12111 | 23.24 |
| | 180J | 12112 | 23.24 |
| | 220J | 12113 | 23.24 |
| | 240J | 12114 | 23.24 |
| | 320J | 12115 | 23.24 |
| | 400J | 12116 | 23.24 |
| | 500J | 12117 | 23.24 |
| | Crocus | 40038 | 28.08 |
| 1½" x 50 Yds. STD. PKG. 1 | 50J | 12118 | 45.40 |
| | 60J | 12119 | 39.21 |
| | 80J | 12120 | 35.26 |
| | 100J | 12121 | 33.38 |
| | 120J | 12122 | 33.38 |
| | 150J | 12123 | 33.38 |
| | 180J | 12124 | 33.38 |
| | 220J | 12125 | 33.38 |
| | 240J | 12126 | 33.38 |
| | 320J | 12127 | 33.38 |
| | 400J | 12128 | 33.38 |
| | 500J | 12129 | 33.38 |
| | Crocus | 40039 | 41.13 |
| 2" x 50 Yds. STD. PKG. 1 | 50J | 12130 | 56.73 |
| | 60J | 12131 | 51.06 |
| | 80J | 12132 | 45.71 |
| | 100J | 12133 | 43.26 |
| | 120J | 12134 | 43.26 |
| | 150J | 12135 | 43.26 |
| | 180J | 12136 | 43.26 |
| | 220J | 12137 | 43.26 |
| | 240J | 12138 | 43.26 |
| | 320J | 12139 | 43.26 |
| | 400J | 12140 | 43.26 |
| | 500J | 12141 | 43.26 |
| | Crocus | 40040 | 54.39 |



BLUE SHOP ROLLS

| SIZE | GRIT | PART # | PRICE EACH |
|--|------|--------------|------------|
| 1" x 50 Yds. STD. PKG. 1 | 60J | 44951 | \$24.90 |
| | 80J | 44952 | 21.50 |
| | 100J | 44953 | 21.40 |
| | 120J | 44954 | 20.77 |
| | 150J | 44955 | 20.77 |
| | 180J | 44956 | 20.77 |
| | 240J | 44958 | 20.77 |
| 1½" x 50 Yds. STD. PKG. 1 | 60J | 44959 | 34.97 |
| | 80J | 44960 | 30.03 |
| | 100J | 44961 | 29.17 |
| | 120J | 44962 | 29.17 |
| | 150J | 44963 | 29.17 |
| | 180J | 44964 | 29.17 |
| 2" x 50 Yds. STD. PKG. 1 | 60J | 44967 | 44.74 |
| | 80J | 44968 | 38.45 |
| | 100J | 44969 | 36.96 |
| | 120J | 44970 | 36.96 |
| | 150J | 44971 | 36.96 |
| | 180J | 44972 | 36.96 |
| | 240J | 44974 | 36.96 |

PRODUCTION ROLLS

Material Description - Page 21


FLEXIBLE "J" WT. RESIN CLOTH - A/O

| SIZE | GRIT | PART # | PRICE EACH |
|--|------|--------|------------|
| 3" x 50 Yds. STD. PKG. 1 | 60J | 26395 | \$91.29 |
| | 80J | 26870 | 82.06 |
| | 120J | 26461 | 76.86 |
| | 180J | 35158 | 76.86 |
| | 240J | 27595 | 76.86 |
| 4" x 50 Yds. STD. PKG. 1 | 60J | 34588 | 121.69 |
| | 80J | 27710 | 109.37 |
| | 120J | 26975 | 102.62 |
| | 180J | 27643 | 102.62 |
| | 240J | 26976 | 102.62 |
| 6" x 50 Yds. STD. PKG. 1 | 60J | 27135 | 182.48 |
| | 80J | 27136 | 164.11 |
| | 120J | 27137 | 153.83 |
| | 180J | 27138 | 153.83 |
| | 240J | 27139 | 153.83 |
| 12" x 50 Yds. STD. PKG. 1 | 60J | 35222 | 367.80 |
| | 80J | 33452 | 328.21 |
| | 120J | 33405 | 307.86 |
| | 180J | 38439 | 307.86 |
| | 240J | 38440 | 307.86 |

COST CONTROL SHOP ROLLS - A/O

| SIZE | GRIT | PART # | PRICE EACH |
|--|------|--------------|------------|
| 1" x 50 Yds. STD. PKG. 1 | 60J | 26682 | \$13.27 |
| | 80J | 26683 | 13.16 |
| | 100J | 26684 | 13.05 |
| | 120J | 26685 | 13.05 |
| | 180J | 26687 | 13.05 |
| | 240J | 26689 | 13.05 |
| | 320J | 26690 | 13.05 |
| 1½" x 50 Yds. STD. PKG. 1 | 60J | 26694 | 16.75 |
| | 80J | 26695 | 16.58 |
| | 100J | 26696 | 16.41 |
| | 120J | 26697 | 16.41 |
| | 180J | 26699 | 16.41 |
| | 240J | 26701 | 16.41 |
| | 320J | 26702 | 16.41 |
| 2" x 50 Yds. STD. PKG. 1 | 60J | 26726 | 20.53 |
| | 80J | 26727 | 20.37 |
| | 100J | 26728 | 20.19 |
| | 120J | 26729 | 20.19 |
| | 180J | 26731 | 20.19 |
| | 240J | 26733 | 20.19 |
| | 320J | 26734 | 20.19 |

CLOTH SHEETS

| Characteristics/Applications | Materials | Tool Selector |
|---|---|---|
| <ul style="list-style-type: none"> • Flexible material, fast cutting action • Easily used for hand applications • Ideal for lathe work when sanding to precise size • Use what you need to reduce waste • Standard tool for maintenance departments, machine shops | <ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Plastics ● Wood ● Composites |  |



A/O RESIN - CLOTH SHEETS

| SIZE | GRIT | PART # | PRICE EACH |
|------------------------------------|------|--------------|------------|
| 9" x 11" STD. PKG. 50 | 40X | 12145 | \$1.62 |
| | 50X | 12146 | 1.33 |
| | 60X | 12147 | 1.28 |
| | 80J | 12148 | 1.17 |
| | 100J | 12149 | 1.09 |
| | 120J | 12150 | 1.09 |
| | 150J | 12151 | 1.09 |
| | 180J | 12152 | 1.09 |
| | 220J | 12153 | 1.09 |
| | 240J | 12154 | 1.09 |
| | 320J | 12155 | 1.09 |
| | 400J | 12156 | 1.09 |
| | 500J | 12157 | 1.09 |

EMERY CLOTH SHEETS

| SIZE | GRIT | PART # | PRICE EACH |
|-----------------------------------|--------|--------------|------------|
| 9" x 11" STD. PKG. — 50 | Fine | 12176 | \$1.03 |
| | Medium | 12175 | 1.04 |
| | Coarse | 12174 | 1.05 |

CROCUS CLOTH SHEETS

| SIZE | GRIT | PART # | PRICE EACH |
|-----------------------------------|--------|--------------|------------|
| 9" x 11" STD. PKG. — 50 | Crocus | 16130 | \$1.35 |

PAPER SHEETS



S/C WATERPROOF PAPER SHEETS

| SIZE | GRIT | PART # | PRICE EACH |
|------------------------------------|------|--------------|------------|
| 9" x 11" STD. PKG. 50 | 80C | 12158 | \$.82 |
| | 100C | 21306 | .77 |
| | 120C | 12159 | .62 |
| | 150C | 18343 | .58 |
| | 180C | 12160 | .57 |
| | 220A | 12161 | .55 |
| | 240A | 12162 | .55 |
| | 320A | 12163 | .55 |
| | 400A | 12164 | .55 |
| | 500A | 12165 | .55 |
| | 600A | 12166 | .55 |
| | 1000 | 40208 | .77 |
| | 1500 | 41347 | .77 |

GARNET PAPER SHEETS "C" WT.

| SIZE | GRIT | PART # | PRICE EACH |
|-------------------------------------|------------------|--------------|------------|
| 9" x 11" STD. PKG. 100 | 60 (Crs) | 48292 | \$.48 |
| | 100 (Med/Crs) | 48293 | .40 |
| | 120 (Med) | 16905 | .50 |
| | 150 (Fine) | 48294 | .40 |
| | 220 (Extra Fine) | 48295 | .40 |

A/O CABINET PAPER SHEETS

| SIZE | GRIT | PART # | PRICE EACH |
|------------------------------------|------|--------------|------------|
| 9" x 11" STD. PKG. 50 | 40D | 12167 | \$.73 |
| | 60D | 12168 | .58 |
| | 80D | 12169 | .49 |
| | 100C | 12170 | .45 |
| | 120C | 12171 | .45 |

COST CONTROL BELTS

Material Description - Page 21



A/O "X" WT. RESIN BOND

| Characteristics/Applications | Materials | Tool Selector |
|--|---|---------------|
| <ul style="list-style-type: none"> • Aggressive cutting action, long life • For sanding all types of metal • Grinding and deburring to high production sanding and polishing • Used on wide range of machines from simple combination sanders to precise robotic cells | <ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Plastics ● Wood ● Composites | |

| SIZE | GRIT | PART # | PRICE EACH |
|---------------------------------|------|--------------|------------|
| 1" x 30" STD. PKG. 50 | 60 | 10729 | \$1.30 |
| | 80 | 10730 | 1.19 |
| | 100 | 10731 | 1.13 |
| | 120 | 10732 | 1.13 |
| | 180 | 10733 | 1.13 |
| 1" x 42" STD. PKG. 50 | 60 | 10738 | 1.41 |
| | 80 | 10739 | 1.33 |
| | 100 | 10740 | 1.23 |
| | 120 | 10741 | 1.23 |
| 2" x 72" STD. PKG. 10 | 60 | 10801 | 3.81 |
| | 80 | 10802 | 3.53 |
| 3" x 21" STD. PKG. 10 | 60 | 10855 | 1.79 |
| | 80 | 10856 | 1.67 |

Cost Control belts are only available in the sizes and grits shown.

| SIZE | GRIT | PART # | PRICE EACH |
|---------------------------------|------|--------------|------------|
| 4" x 24" STD. PKG. 10 | 60 | 10945 | \$3.13 |
| | 80 | 10946 | 2.90 |
| | 100 | 10947 | 2.72 |
| | 120 | 10948 | 2.72 |
| 4" x 36" STD. PKG. 10 | 50 | 10953 | 4.48 |
| | 60 | 10954 | 4.41 |
| | 80 | 10955 | 4.20 |
| | 120 | 10957 | 3.98 |
| 6" x 48" STD. PKG. 10 | 36 | 11032 | 9.55 |
| | 40 | 11033 | 8.86 |
| | 50 | 11034 | 8.12 |
| | 60 | 11035 | 7.91 |
| | 80 | 11036 | 7.49 |
| | 100 | 11037 | 6.99 |
| | 120 | 11038 | 6.99 |

BELT & DISC CLEANING STICKS

| SIZE | PART # | PRICE EACH |
|-----------------------|--------------|------------|
| 1½" x 1½" x 8" | 41253 | \$7.08 |
| 2" x 2" x 12" | 41252 | 14.18 |



Not intended for use on wide belt or conveyor type sanders.

BELTS

Material Desc. - Pg. 21



"X" WT. RESIN BOND - A/O

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> • Aggressive cutting action, long life • For sanding all types of metal • Grinding and deburring to high production sanding and polishing • Used on wide range of machines from simple combination sanders to precise robotic cells | <ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Wood ● Exotics ● Metal Matrix ● Composites | |

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH |
|-----------------------|------|--------------|--------------|------------|
| 3/8" x 13" | 36 | 200 | 10667 | \$.88 |
| | 40 | 200 | 10668 | .86 |
| | 50 | 200 | 10669 | .85 |
| | 60 | 50 | 10670 | .84 |
| | 80 | 50 | 10671 | .84 |
| | 100 | 200 | 10672 | .83 |
| | 120 | 50 | 10673 | .83 |
| 180 | 200 | 10674 | .83 | |
| 1/2" x 12" | 36 | 200 | 10675 | .95 |
| | 40 | 200 | 10676 | .93 |
| | 50 | 200 | 10677 | .92 |
| | 60 | 50 | 10678 | .91 |
| | 80 | 50 | 10679 | .90 |
| | 100 | 200 | 10680 | .89 |
| 120 | 200 | 10681 | .89 | |
| 180 | 200 | 10682 | .89 | |
| 1/2" x 18" | 36 | 200 | 14384 | 1.03 |
| | 40 | 200 | 14385 | 1.01 |
| | 50 | 200 | 14386 | 1.00 |
| | 60 | 50 | 14387 | .99 |
| | 80 | 50 | 14388 | .98 |
| | 100 | 200 | 14389 | .95 |
| 120 | 200 | 14390 | .95 | |
| 180 | 200 | 14392 | .95 | |
| 1/2" x 24" | 36 | 50 | 10683 | 1.09 |
| | 40 | 50 | 10684 | 1.08 |
| | 50 | 200 | 10685 | 1.07 |
| | 60 | 50 | 10686 | 1.05 |
| | 80 | 50 | 10687 | 1.03 |
| | 100 | 200 | 10688 | 1.02 |
| 120 | 50 | 10689 | 1.02 | |
| 180 | 200 | 10690 | 1.02 | |
| 3/4" x 18" | 36 | 200 | 10691 | 1.11 |
| | 40 | 200 | 10692 | 1.09 |
| | 50 | 200 | 10693 | 1.07 |
| | 60 | 50 | 10694 | 1.06 |
| | 80 | 50 | 10695 | 1.05 |
| | 100 | 200 | 10696 | 1.03 |
| 120 | 50 | 10697 | 1.03 | |
| 180 | 200 | 10698 | 1.03 | |
| 3/4" x 20 1/2" | 36 | 200 | 10699 | 1.16 |
| | 40 | 200 | 10700 | 1.13 |
| | 50 | 200 | 10701 | 1.11 |
| | 60 | 50 | 10702 | 1.10 |
| | 80 | 50 | 10703 | 1.08 |
| | 100 | 200 | 10704 | 1.07 |
| 120 | 200 | 10705 | 1.07 | |
| 180 | 200 | 10706 | 1.07 | |

All belts must be ordered in full standard packages.

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH |
|---------------------|-----------------|------------|--------------|------------|
| 1" x 42" | 36 | | 10735 | \$2.30 |
| | 40 | | 43834 | 2.23 |
| | 50 | | 10737 | 2.16 |
| | 60 | | 43835 | 2.12 |
| | 80 | | 43836 | 2.02 |
| | 100 | 100 | 43837 | 1.99 |
| | 120 | | 43838 | 1.99 |
| | 180 | | 43839 | 1.99 |
| | 240 | | 18925 | 1.99 |
| | 320 | | 20059 | 1.99 |
| 1 1/8" x 21" | 36 | | 10744 | 1.90 |
| | 40 | | 10745 | 1.86 |
| | 50 | | 10746 | 1.80 |
| | 60 | | 10747 | 1.77 |
| | 80 | 50 | 10748 | 1.74 |
| | 100 | | 10749 | 1.71 |
| | 120 | | 10750 | 1.71 |
| | 180 | | 28224 | 1.71 |
| 1 1/2" x 60" | 36 | | 10753 | 3.50 |
| | 40 | | 10754 | 3.34 |
| | 50 | | 10755 | 3.19 |
| | 60 | 50 | 10756 | 3.05 |
| | 80 | | 10757 | 2.94 |
| | 100 | | 10758 | 2.82 |
| | 120 | | 10759 | 2.82 |
| 180 | | 10760 | 2.82 | |
| 1 1/2" x 72" | 36 | | 10762 | 3.93 |
| | 40 | | 10763 | 3.75 |
| | 50 | | 10764 | 3.60 |
| | 60 | 50 | 10765 | 3.47 |
| | 80 | | 10766 | 3.26 |
| | 100 | | 10767 | 3.15 |
| | 120 | | 10768 | 3.15 |
| | 180 | | 28104 | 3.15 |
| 2" x 20" | 36 | | 10771 | 2.20 |
| | 40 | | 10772 | 2.15 |
| | 50 | | 10773 | 2.10 |
| | 60 | 50 | 10774 | 2.04 |
| | 80 | | 10775 | 1.97 |
| | 100 | | 10776 | 1.93 |
| | 120 | | 10777 | 1.93 |
| | 180 | | 10778 | 1.93 |
| | 2" x 48" | 36 | | 10780 |
| 40 | | | 10781 | 3.42 |
| 50 | | | 10782 | 3.29 |
| 60 | | 50 | 10783 | 3.16 |
| 80 | | | 10784 | 3.02 |
| 100 | | | 10785 | 2.94 |
| 120 | | | 10786 | 2.94 |
| 180 | | | 10787 | 2.94 |

Other sizes and grits available.



BELTS

Material Desc. - Pg. 21

A/O "X" WT. RESIN BOND

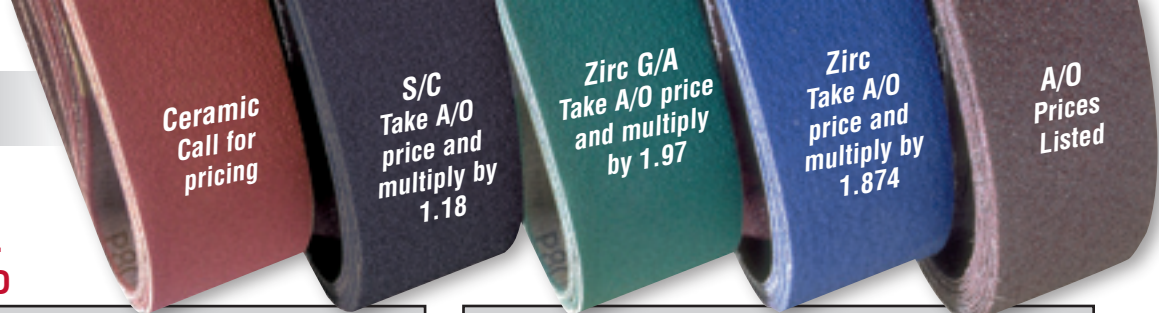
| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH |
|-----------|-------|-----------|--------------|------------|
| 2" x 60" | 36 | 50 | 10789 | \$4.19 |
| | 40 | | 10790 | 3.99 |
| | 50 | | 10791 | 3.82 |
| | 60 | | 10792 | 3.65 |
| | 80 | | 10793 | 3.47 |
| | 100 | | 10794 | 3.35 |
| | 120 | | 10795 | 3.35 |
| | 180 | | 10796 | 3.35 |
| 2" x 132" | 24 | 50 | 10806 | 8.79 |
| | 36 | | 10807 | 7.82 |
| | 40 | | 10808 | 7.39 |
| | 50 | | 10809 | 6.96 |
| | 60 | | 10810 | 6.61 |
| | 80 | | 10811 | 6.23 |
| | 100 | | 10812 | 5.97 |
| | 120 | | 10813 | 5.97 |
| | 180 | | 10814 | 5.97 |
| | 240 | | 20633 | 5.97 |
| 320 | 16185 | 5.97 | | |
| 2½" x 48" | 36 | 50 | 10816 | 4.60 |
| | 40 | | 10817 | 4.40 |
| | 50 | | 10818 | 4.20 |
| | 60 | | 10819 | 4.05 |
| | 80 | | 10820 | 3.86 |
| | 100 | | 10821 | 3.75 |
| | 120 | | 10822 | 3.75 |
| | 180 | | 27734 | 3.75 |
| 2½" x 60" | 36 | 50 | 10825 | 5.32 |
| | 40 | | 10826 | 5.08 |
| | 50 | | 10827 | 4.87 |
| | 60 | | 10828 | 4.64 |
| | 80 | | 10829 | 4.42 |
| | 100 | | 10830 | 4.26 |
| | 120 | | 10831 | 4.26 |
| | 180 | | 10832 | 4.26 |
| 2½" x 72" | 36 | 50 | 10834 | 6.12 |
| | 40 | | 10835 | 5.82 |
| | 50 | | 10836 | 5.55 |
| | 60 | | 10837 | 5.30 |
| | 80 | | 10838 | 5.01 |
| | 100 | | 10839 | 4.84 |
| | 120 | | 10840 | 4.84 |
| | 180 | | 10841 | 4.84 |
| 3" x 18" | 36 | 50 | 10843 | 2.55 |
| | 40 | | 10844 | 2.45 |
| | 50 | | 10845 | 2.37 |
| | 60 | | 10846 | 2.30 |
| | 80 | | 10847 | 2.23 |
| | 100 | | 10848 | 2.16 |
| | 120 | | 10849 | 2.16 |
| | 180 | | 10850 | 2.16 |
| 3" x 60" | 36 | 50 | 10870 | 6.29 |
| | 40 | | 10871 | 5.97 |
| | 50 | | 10872 | 5.67 |
| | 60 | | 10873 | 4.39 |
| | 80 | | 10874 | 5.16 |
| | 100 | | 10875 | 4.97 |
| | 120 | | 10876 | 4.97 |
| | 180 | | 10877 | 4.97 |

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH |
|-----------|------------|--------------|--------------|------------|
| 3" x 72" | 36 | 50 | 10879 | \$7.17 |
| | 40 | | 10880 | 6.79 |
| | 50 | | 10881 | 6.46 |
| | 60 | | 10882 | 6.17 |
| | 80 | | 10883 | 5.81 |
| | 100 | | 34898 | 5.60 |
| | 120 | | 10884 | 5.60 |
| | 180 | | 10886 | 5.60 |
| 3" x 90" | 36 | 50 | 10888 | 8.50 |
| | 40 | | 10889 | 8.03 |
| | 50 | | 10890 | 7.61 |
| | 60 | | 10891 | 7.26 |
| | 80 | | 10892 | 6.83 |
| | 100 | | 10893 | 6.55 |
| | 120 | | 10894 | 6.55 |
| | 180 | | 10895 | 6.55 |
| 3" x 132" | 24 | 50 | 32284 | 13.19 |
| | 36 | | 10897 | 11.77 |
| | 40 | | 10898 | 11.03 |
| | 50 | | 10899 | 10.43 |
| | 60 | | 10900 | 9.92 |
| | 80 | | 10901 | 9.25 |
| | 100 | | 10902 | 8.84 |
| | 120 | | 10903 | 8.84 |
| | 180 | | 10904 | 8.84 |
| | 240 | | 16773 | 8.84 |
| 320 | 17060 | 8.84 | | |
| 3" x 168" | 24 | 50 | 10905 | 16.28 |
| | 36 | | 10906 | 14.46 |
| | 40 | | 10907 | 13.56 |
| | 50 | | 10908 | 12.77 |
| | 60 | | 10909 | 12.13 |
| | 80 | | 10910 | 11.28 |
| | 100 | | 10911 | 10.76 |
| | 120 | | 10912 | 10.76 |
| | 180 | | 28161 | 10.76 |
| | 3½" x 15½" | | 36 | 50 |
| 40 | | 10916 | 3.37 | |
| 50 | | 10917 | 3.29 | |
| 60 | | 10918 | 3.20 | |
| 80 | | 10919 | 3.12 | |
| 100 | | 10920 | 3.07 | |
| 120 | | 10921 | 3.07 | |
| 180 | | 10922 | 3.07 | |
| 4" x 21" | 36 | 50 | 10924 | 4.51 |
| | 40 | | 10925 | 4.35 |
| | 50 | | 10926 | 4.23 |
| | 60 | | 10927 | 4.12 |
| | 80 | | 10928 | 3.99 |
| | 100 | | 10929 | 3.90 |
| | 120 | | 10930 | 3.90 |
| | 180 | | 20977 | 3.90 |
| 4" x 21¾" | 36 | 50 | 10933 | 4.61 |
| | 40 | | 10934 | 4.45 |
| | 50 | | 10935 | 4.31 |
| | 60 | | 10936 | 4.20 |
| | 80 | | 10937 | 4.08 |
| | 100 | | 10938 | 3.98 |
| | 120 | | 10939 | 3.98 |
| | 180 | | 10940 | 3.98 |

Other sizes and grits available.

BELTS

Material Desc. - Pg. 21



A/O "X" WT. RESIN BOND

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH | |
|-----------|------|-----------|--------|------------|-------|
| 4" x 54" | 24 | | 10959 | \$8.58 | |
| | 36 | | 10960 | 7.81 | |
| | 40 | | 10961 | 7.42 | |
| | 50 | 50 | 10962 | 7.12 | |
| | 60 | | 10963 | 6.81 | |
| | 80 | | 10964 | 6.47 | |
| | 100 | | 10965 | 6.25 | |
| | 120 | | 10966 | 6.25 | |
| | 180 | | 10967 | 6.25 | |
| 4" x 60" | 24 | | | 10968 | 9.24 |
| | 36 | | | 10969 | 8.40 |
| | 40 | | | 10970 | 7.97 |
| | 50 | 50 | 10971 | 7.63 | |
| | 60 | | 10972 | 7.27 | |
| | 80 | | 10973 | 6.91 | |
| | 100 | | 10974 | 6.66 | |
| | 120 | | 10975 | 6.66 | |
| | 180 | | 10976 | 6.66 | |
| 4" x 84" | 24 | | | 10977 | 11.97 |
| | 36 | | | 10978 | 10.77 |
| | 40 | | | 10979 | 10.18 |
| | 50 | 50 | 10980 | 9.69 | |
| | 60 | | 32319 | 9.19 | |
| | 80 | | 10982 | 8.70 | |
| | 100 | | 10983 | 8.33 | |
| | 120 | | 10984 | 8.33 | |
| | 180 | | 10985 | 8.33 | |
| 4" x 90" | 24 | | | 10986 | 12.65 |
| | 36 | | | 10987 | 11.37 |
| | 40 | | | 10988 | 10.72 |
| | 50 | 50 | 10989 | 10.21 | |
| | 60 | | 10990 | 9.68 | |
| | 80 | | 10991 | 9.15 | |
| | 100 | | 10992 | 8.76 | |
| | 120 | | 10993 | 8.76 | |
| | 180 | | 10994 | 8.76 | |
| 4" x 96" | 24 | | | 10995 | 13.31 |
| | 36 | | | 10996 | 11.96 |
| | 40 | | | 10997 | 11.27 |
| | 50 | 50 | 10998 | 10.72 | |
| | 60 | | 10999 | 10.15 | |
| | 80 | | 11000 | 9.59 | |
| | 100 | | 11001 | 9.17 | |
| | 120 | | 11002 | 9.17 | |
| | 180 | | 11003 | 9.17 | |
| 4" x 106" | 24 | | | 11004 | 14.60 |
| | 36 | | | 11005 | 13.08 |
| | 40 | | | 11006 | 12.32 |
| | 50 | 50 | 11007 | 11.69 | |
| | 60 | | 11008 | 11.07 | |
| | 80 | | 11009 | 10.45 | |
| | 100 | | 11010 | 9.96 | |
| | 120 | | 11011 | 9.96 | |
| | 180 | | 11012 | 9.96 | |
| 4" x 132" | 24 | | | 11013 | 17.56 |
| | 36 | | | 11014 | 15.68 |
| | 40 | | | 11015 | 14.71 |
| | 50 | 50 | 11016 | 13.95 | |
| | 60 | | 11017 | 13.19 | |
| | 80 | | 11018 | 12.38 | |
| | 100 | | 11019 | 11.81 | |
| | 120 | | 11020 | 11.81 | |
| | 180 | | 11021 | 11.81 | |

| SIZE | GRIT | STD. PKG. | PART # | PRICE EACH | |
|------------|------|-----------|--------|------------|-------|
| 4" x 168" | 24 | | 11022 | \$21.67 | |
| | 36 | | 11023 | 19.27 | |
| | 40 | | 11024 | 18.03 | |
| | 50 | 50 | 11025 | 17.08 | |
| | 60 | | 11026 | 16.08 | |
| | 80 | | 11027 | 15.08 | |
| | 100 | | 11028 | 14.34 | |
| | 120 | | 33378 | 14.34 | |
| | 180 | | 11030 | 14.34 | |
| 6" x 48" | 24 | | | 11031 | 11.70 |
| | 36 | | | 43840 | 10.70 |
| | 40 | | | 43841 | 10.21 |
| | 50 | 20 | 43842 | 9.77 | |
| | 60 | | 43843 | 9.36 | |
| | 80 | | 43844 | 8.94 | |
| | 100 | | 43845 | 8.63 | |
| | 120 | | 43846 | 8.63 | |
| | 180 | | 11039 | 8.63 | |
| 6" x 60" | 24 | | | 14967 | 13.74 |
| | 36 | | | 14968 | 12.47 |
| | 40 | | | 14969 | 11.85 |
| | 50 | 20 | 14970 | 11.31 | |
| | 60 | | 14971 | 10.80 | |
| | 80 | | 14972 | 10.25 | |
| | 100 | | 14973 | 9.87 | |
| | 120 | | 14974 | 9.87 | |
| | 180 | | 14976 | 9.87 | |
| 6" x 132" | 24 | | | 14981 | 26.11 |
| | 36 | | | 14982 | 23.31 |
| | 40 | | | 14983 | 21.94 |
| | 50 | 20 | 14984 | 20.71 | |
| | 60 | | 14985 | 19.60 | |
| | 80 | | 29767 | 18.39 | |
| | 100 | | 14987 | 17.54 | |
| | 120 | | 14988 | 17.54 | |
| | 180 | | 14990 | 17.54 | |
| 6" x 168" | 24 | | | 11040 | 32.22 |
| | 36 | | | 11041 | 28.67 |
| | 40 | | | 11042 | 26.92 |
| | 50 | 20 | 11043 | 25.37 | |
| | 60 | | 11044 | 23.93 | |
| | 80 | | 11045 | 22.38 | |
| | 100 | | 11046 | 21.33 | |
| | 120 | | 11047 | 21.33 | |
| | 180 | | 11048 | 21.33 | |
| 8" x 107" | 24 | | | 11058 | 30.05 |
| | 36 | | | 11059 | 27.03 |
| | 40 | | | 11060 | 25.52 |
| | 50 | 20 | 11061 | 24.21 | |
| | 60 | | 11062 | 23.00 | |
| | 80 | | 11063 | 21.67 | |
| | 100 | | 11064 | 20.82 | |
| | 120 | | 11065 | 20.82 | |
| | 180 | | 11066 | 20.82 | |
| 10" x 70½" | 24 | | | 11067 | 27.07 |
| | 36 | | | 11068 | 24.55 |
| | 40 | | | 11069 | 23.30 |
| | 50 | 20 | 11070 | 22.23 | |
| | 60 | | 11071 | 21.20 | |
| | 80 | | 11072 | 21.12 | |
| | 100 | | 11073 | 19.38 | |
| | 120 | | 11074 | 19.38 | |
| | 180 | | 11075 | 19.38 | |

Other sizes and grits available.



WIDE CLOTH BELTS

Material Description - Page 21

| Characteristics/Applications | Materials | Tool Selector |
|---|---|---------------|
| <ul style="list-style-type: none"> • Aggressive cutting action • For sanding all types of materials • Wide belts can be washed for extended life • Used on a wide range of machines, such as Time Savers® | <ul style="list-style-type: none"> ● Ferrous ● Non-Ferrous ● Stainless ● Wood ● Solid Surfaces ● Composites | |

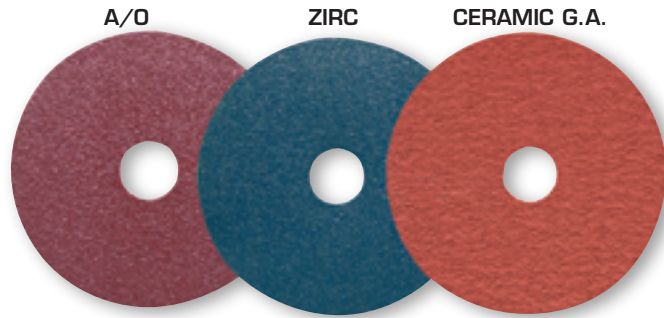
"X" WT. RESIN BOND - A/O

| SIZE | GRIT | PART # | PRICE EACH |
|-------------------------------------|-------|--------|------------|
| 18" x 85" STD. PKG. 3 | 36 | 24353 | \$55.13 |
| | 40 | 24354 | 49.17 |
| | 50 | 24355 | 46.67 |
| | 60 | 24356 | 44.38 |
| | 80 | 24357 | 41.77 |
| | 100 | 24358 | 40.11 |
| | 120 | 24359 | 40.11 |
| 19" x 48" STD. PKG. 3 | 36 | 26100 | 38.24 |
| | 40 | 38436 | 36.41 |
| | 50 | 38437 | 34.84 |
| | 60 | 38438 | 33.41 |
| | 80 | 21357 | 31.77 |
| | 100 | 37938 | 30.72 |
| | 120 | 25289 | 30.72 |
| 25" x 60" STD. PKG. 3 | 36 | 24379 | 53.52 |
| | 40 | 24380 | 50.82 |
| | 50 | 24381 | 48.48 |
| | 60 | 24382 | 46.35 |
| | 80 | 24383 | 43.98 |
| | 100 | 24384 | 42.43 |
| | 120 | 24385 | 42.43 |
| 25" x 75" STD. PKG. 3 | 36 | 24391 | 62.89 |
| | 40 | 24392 | 59.53 |
| | 50 | 24393 | 56.60 |
| | 60 | 24164 | 53.95 |
| | 80 | 24394 | 50.98 |
| | 100 | 24395 | 49.04 |
| | 120 | 24165 | 49.04 |
| 30" x 103" STD. PKG. 3 | 36 | 24398 | 96.30 |
| | 40 | 24399 | 90.75 |
| | 50 | 24400 | 85.96 |
| | 60 | 24401 | 81.56 |
| | 80 | 24402 | 76.64 |
| | 100 | 24403 | 73.43 |
| | 120 | 21681 | 73.43 |
| 36" x 60" STD. PKG. 3 | 36 | 24406 | 76.81 |
| | 40 | 24407 | 72.93 |
| | 50 | 24408 | 69.56 |
| | 60 | 24409 | 66.50 |
| | 80 | 24410 | 63.07 |
| | 100 | 24411 | 60.83 |
| | 120 | 24412 | 60.83 |
| 36" x 75" STD. PKG. 3 | 36 | 24417 | \$90.25 |
| | 40 | 24418 | 85.40 |
| | 50 | 24419 | 81.20 |
| | 60 | 24420 | 77.38 |
| | 80 | 18704 | 73.08 |
| | 100 | 24421 | 70.27 |
| | 120 | 24422 | 70.27 |
| 37" x 60" STD. PKG. 3 | 36 | 24425 | 81.06 |
| | 40 | 22886 | 76.93 |
| | 50 | 17150 | 73.39 |
| | 60 | 21649 | 70.17 |
| | 80 | 17151 | 65.89 |
| | 100 | 16723 | 64.17 |
| | 120 | 30361 | 64.17 |
| 37" x 75" STD. PKG. 3 | 36 | 24427 | 95.24 |
| | 40 | 24428 | 90.10 |
| | 50 | 24429 | 85.68 |
| | 60 | 18975 | 81.63 |
| | 80 | 18976 | 76.30 |
| | 100 | 24430 | 74.13 |
| | 120 | 24167 | 74.13 |
| 50" x 103" STD. PKG. 3 | 36 | 24432 | 159.83 |
| | 40 | 24433 | 150.55 |
| | 50 | 24434 | 142.55 |
| | 60 | 24435 | 135.25 |
| | 80 | 24436 | 127.04 |
| | 100 | 24437 | 121.70 |
| | 120 | 24438 | 121.70 |
| 52" x 75" STD. PKG. 3 | 36 | 24441 | 134.99 |
| | 40 | 24442 | 127.73 |
| | 50 | 24443 | 121.43 |
| | 60 | 24444 | 115.69 |
| | 80 | 24445 | 109.23 |
| | 100 | 24446 | 105.04 |
| | 120 | 24447 | 105.04 |
| 52" x 103" STD. PKG. 3 | 36 | 24459 | 172.51 |
| | 40 | 24460 | 162.52 |
| | 50 | 24461 | 162.52 |
| | 60 | 24462 | 145.97 |
| | 80 | 24463 | 137.13 |
| | 100 | 24464 | 131.36 |
| | 120 | 24465 | 131.36 |
| 180 | 24466 | 131.36 | |

| SIZE | GRIT | PART # | PRICE EACH |
|-------------------------------------|-------|--------|------------|
| 18" x 85" STD. PKG. 3 | 36 | 24353 | \$55.13 |
| | 40 | 24354 | 49.17 |
| | 50 | 24355 | 46.67 |
| | 60 | 24356 | 44.38 |
| | 80 | 24357 | 41.77 |
| | 100 | 24358 | 40.11 |
| | 120 | 24359 | 40.11 |
| 19" x 48" STD. PKG. 3 | 36 | 26100 | 38.24 |
| | 40 | 38436 | 36.41 |
| | 50 | 38437 | 34.84 |
| | 60 | 38438 | 33.41 |
| | 80 | 21357 | 31.77 |
| | 100 | 37938 | 30.72 |
| | 120 | 25289 | 30.72 |
| 25" x 60" STD. PKG. 3 | 36 | 24379 | 53.52 |
| | 40 | 24380 | 50.82 |
| | 50 | 24381 | 48.48 |
| | 60 | 24382 | 46.35 |
| | 80 | 24383 | 43.98 |
| | 100 | 24384 | 42.43 |
| | 120 | 24385 | 42.43 |
| 25" x 75" STD. PKG. 3 | 36 | 24391 | 62.89 |
| | 40 | 24392 | 59.53 |
| | 50 | 24393 | 56.60 |
| | 60 | 24164 | 53.95 |
| | 80 | 24394 | 50.98 |
| | 100 | 24395 | 49.04 |
| | 120 | 24165 | 49.04 |
| 30" x 103" STD. PKG. 3 | 36 | 24398 | 96.30 |
| | 40 | 24399 | 90.75 |
| | 50 | 24400 | 85.96 |
| | 60 | 24401 | 81.56 |
| | 80 | 24402 | 76.64 |
| | 100 | 24403 | 73.43 |
| | 120 | 21681 | 73.43 |
| 36" x 60" STD. PKG. 3 | 36 | 24406 | 76.81 |
| | 40 | 24407 | 72.93 |
| | 50 | 24408 | 69.56 |
| | 60 | 24409 | 66.50 |
| | 80 | 24410 | 63.07 |
| | 100 | 24411 | 60.83 |
| | 120 | 24412 | 60.83 |
| 36" x 75" STD. PKG. 3 | 36 | 24417 | \$90.25 |
| | 40 | 24418 | 85.40 |
| | 50 | 24419 | 81.20 |
| | 60 | 24420 | 77.38 |
| | 80 | 18704 | 73.08 |
| | 100 | 24421 | 70.27 |
| | 120 | 24422 | 70.27 |
| 37" x 60" STD. PKG. 3 | 36 | 24425 | 81.06 |
| | 40 | 22886 | 76.93 |
| | 50 | 17150 | 73.39 |
| | 60 | 21649 | 70.17 |
| | 80 | 17151 | 65.89 |
| | 100 | 16723 | 64.17 |
| | 120 | 30361 | 64.17 |
| 37" x 75" STD. PKG. 3 | 36 | 24427 | 95.24 |
| | 40 | 24428 | 90.10 |
| | 50 | 24429 | 85.68 |
| | 60 | 18975 | 81.63 |
| | 80 | 18976 | 76.30 |
| | 100 | 24430 | 74.13 |
| | 120 | 24167 | 74.13 |
| 50" x 103" STD. PKG. 3 | 36 | 24432 | 159.83 |
| | 40 | 24433 | 150.55 |
| | 50 | 24434 | 142.55 |
| | 60 | 24435 | 135.25 |
| | 80 | 24436 | 127.04 |
| | 100 | 24437 | 121.70 |
| | 120 | 24438 | 121.70 |
| 52" x 75" STD. PKG. 3 | 36 | 24441 | 134.99 |
| | 40 | 24442 | 127.73 |
| | 50 | 24443 | 121.43 |
| | 60 | 24444 | 115.69 |
| | 80 | 24445 | 109.23 |
| | 100 | 24446 | 105.04 |
| | 120 | 24447 | 105.04 |
| 52" x 103" STD. PKG. 3 | 36 | 24459 | 172.51 |
| | 40 | 24460 | 162.52 |
| | 50 | 24461 | 162.52 |
| | 60 | 24462 | 145.97 |
| | 80 | 24463 | 137.13 |
| | 100 | 24464 | 131.36 |
| | 120 | 24465 | 131.36 |
| 180 | 24466 | 131.36 | |

Other sizes and grits available.

RESIN FIBER DISCS



PREMIUM A/O

| SIZE | GRIT | 7/8" HOLE | | 5/8-11 QUICK-CHANGE | |
|---------------------------|--------------|--------------|-----------|---------------------|-----------|
| | | PART # | PRICE EA. | PART# | PRICE EA. |
| 4 1/2" STD. PKG. 25 | 24 | 11718 | \$1.00 | 11768 | \$1.26 |
| | 36 | 11719 | .93 | 11769 | 1.20 |
| | 50 | 11720 | .88 | 11770 | 1.14 |
| | 60 | 11721 | .84 | 11771 | 1.10 |
| | 80 | 11722 | .79 | 11772 | 1.05 |
| 5" STD. PKG. 25 | 16 | 11725 | 1.18 | 11775 | 1.44 |
| | 24 | 11726 | 1.11 | 11776 | 1.38 |
| | 36 | 11727 | 1.07 | 11777 | 1.33 |
| | 50 | 11728 | 1.00 | 11778 | 1.26 |
| | 60 | 11729 | .92 | 11779 | 1.19 |
| 7" STD. PKG. 25 | 80 | 11730 | .86 | 11780 | 1.12 |
| | 120 | 11732 | .86 | 11782 | 1.12 |
| | 16 | 11733 | 2.09 | 11783 | 2.34 |
| | 24 | 11734 | 1.90 | 11784 | 2.15 |
| | 36 | 11735 | 1.78 | 11785 | 2.04 |
| 50 | 11736 | 1.52 | 11786 | 1.78 | |
| 60 | 11737 | 1.47 | 11787 | 1.72 | |
| 80 | 11738 | 1.45 | 11788 | 1.70 | |
| 120 | 11740 | 1.45 | 11790 | 1.70 | |

| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> Grinding and stock removal Blending welds, surface leveling Most aggressive coated abrasive for sanding large areas Removes paint, rust, and surface imperfections Fiber backing adds rigidity | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Metal Matrix Composites | |

CROSS REFERENCE

| Superior | Norton | 3M | VSM | Gemtex | Sait | Hermes | Carbo |
|---------------|--------------|----------------------|----------------|------------------|------|--------|----------------|
| A/O | F226 | 281C 381C | KF708 | A-TYPE C-TYPE | 2A | RB314X | V0945 V0947 |
| Zirc | F826 | 501C | ZF713 | ZEE TYPE | Z | RB414X | Z1145 V1247 |
| Ceramic GA | F944 F968 | 988C 983C 785C | SF750 SF840 | PMD | — | CB444X | V2547 |

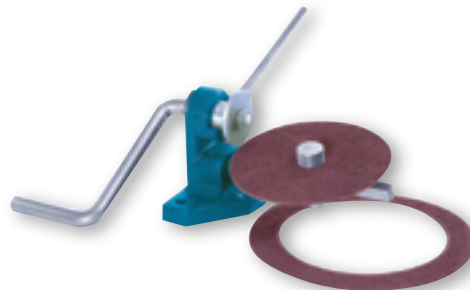
PREMIUM ZIRC

| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> Heavy grinding, stock removal, weld blending, surface leveling Most aggressive coated abrasive for sanding large areas Ideal for stainless Fiber backing adds rigidity and grain support | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Exotics Metal Matrix Composites | |

| SIZE | GRIT | 7/8" HOLE | | 5/8-11 QUICK-CHANGE | |
|---------------------------|------|--------------|-----------|---------------------|-----------|
| | | PART # | PRICE EA. | PART# | PRICE EA. |
| 4 1/2" STD. PKG. 25 | 24 | 11748 | \$1.32 | 11798 | \$1.59 |
| | 36 | 11749 | 1.25 | 11799 | 1.51 |
| | 50 | 11750 | 1.16 | 11800 | 1.42 |
| | 60 | 11751 | 1.07 | 11801 | 1.33 |
| | 80 | 11752 | 1.03 | 11802 | 1.29 |
| 5" STD. PKG. 25 | 24 | 11753 | 1.43 | 11803 | 1.69 |
| | 36 | 11754 | 1.34 | 11804 | 1.61 |
| | 50 | 11755 | 1.24 | 11805 | 1.50 |
| | 60 | 11756 | 1.18 | 11806 | 1.44 |
| | 80 | 11757 | 1.11 | 11807 | 1.38 |
| 7" STD. PKG. 25 | 24 | 11758 | 2.22 | 11808 | 2.48 |
| | 36 | 11759 | 2.14 | 11809 | 2.40 |
| | 50 | 11760 | 2.08 | 11810 | 2.34 |
| | 60 | 11761 | 1.92 | 11811 | 2.21 |
| | 80 | 11762 | 1.84 | 11812 | 2.10 |

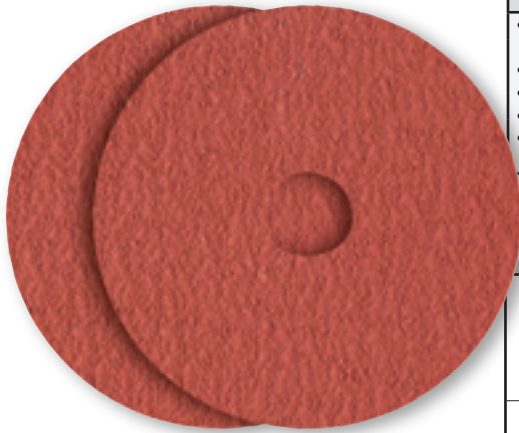
"ROUNDER" FIBER DISC CUTTER

| DESCRIPTION | PART# | PRICE EACH |
|-------------------------|--------------|------------|
| Disc Cutter With Blades | 12142 | \$203.84 |
| Replacement Upper Blade | 12143 | 31.72 |
| Replacement Lower Blade | 12144 | 31.72 |



RESIN FIBER DISCS

CERAMIC G.A.



| Characteristics/Applications | Materials | Tool Selector |
|--|--|---------------|
| <ul style="list-style-type: none"> • Heavy grinding, stock removal, when heat is an issue • Heavy weld blending and surface leveling • Aggressive sanding • Ideal for grinding titanium and exotic metals • Fiber backing adds rigidity and grain support | <ul style="list-style-type: none"> ○ Ferrous ○ Non-Ferrous ● Stainless ● Exotics ● Metal Matrix ○ Composites | |

| SIZE | GRIT | 7/8" HOLE PART # | PRICE EACH | PART# | 5/8-11 QUICK-CHANGE PRICE EACH |
|----------------------------------|------|------------------|------------|-------|--------------------------------|
| 4 1/2" STD. PKG. 25 | 24 | 43582 | \$1.95 | 43900 | \$2.16 |
| | 36 | 43583 | 1.85 | 43901 | 2.06 |
| | 50 | 43830 | 1.50 | 43902 | 1.71 |
| | 60 | 43553 | 1.42 | 43903 | 1.63 |
| | 80 | 43831 | 1.30 | 43904 | 1.51 |
| 5" STD. PKG. 25 | 24 | 42965 | 2.18 | 43905 | 2.39 |
| | 36 | 42966 | 2.06 | 43906 | 2.27 |
| | 50 | 42967 | 1.65 | 43907 | 1.86 |
| | 60 | 42655 | 1.60 | 43908 | 1.81 |
| | 80 | 41929 | 1.55 | 43909 | 1.76 |
| 7" STD. PKG. 25 | 24 | 40703 | 3.75 | 43910 | 3.96 |
| | 36 | 40704 | 3.35 | 43911 | 3.56 |
| | 50 | 42390 | 2.85 | 43912 | 3.06 |
| | 60 | 40705 | 2.70 | 43913 | 2.91 |
| | 80 | 42969 | 2.60 | 43914 | 2.81 |

RIGID KUT CERAMIC



| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> • Our most firm disc, as stiff as a fiber disc with better grain retention • First choice when edge ware and reducing cycle time is a must • Grind high temp alloys such as cobalt chrome, hastalloy, and inconel • Ideal when grinding hot castings | <ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ● Stainless ● Plastics ● Exotics ○ Metal Matrix ● Composites | |

| SIZE | GRIT | TYPE "S" PART # | TYPE "R" PART # | PRICE EACH |
|-------------------------------|------|-----------------|-----------------|------------|
| 2" STD. PKG. 100 | 36 | 47801 | 47813 | \$1.03 |
| | 50 | 47802 | 47814 | .99 |
| | 60 | 47803 | 47815 | .96 |
| | 80 | 47804 | 47816 | .89 |
| | 100 | 47805 | 47817 | .86 |
| | 120 | 47806 | 47818 | .85 |
| 3" STD. PKG. 50 | 36 | 47807 | 47819 | 1.40 |
| | 50 | 47808 | 47820 | 1.31 |
| | 60 | 47809 | 47821 | 1.28 |
| | 80 | 47810 | 47822 | 1.22 |
| | 100 | 47811 | 47823 | 1.17 |
| | 120 | 47812 | 47824 | 1.17 |

4" available Type "R" and Type "S".

Holders - Page 23.

Supplied for 5/8 - 11 Threaded Arbor



AIR COOLED BACK UP PADS

| STYLE | DESCRIPTION | PART # | PRICE EACH |
|-------|---------------|--------------|------------|
| R425 | 4 1/2" Medium | 11847 | \$23.28 |
| R500 | 5" Medium | 11850 | 25.48 |
| F700 | 7" Flexible | 11852 | 35.14 |
| R700 | 7" Medium | 11853 | 35.14 |
| H700 | 7" Rigid | 11854 | 35.14 |
| R900 | 9" Medium | 11856 | 43.09 |
| D11 | Pad Nut | 11858 | 7.13 |
| PW10 | Pad Wrench | 11859 | 10.76 |

Nut and wrench not supplied with pad, must be ordered separately.

FIBER DISC HOLDER

| DESCRIPTION | PART # | PRICE EACH |
|-------------------|--------|------------|
| Fiber Disc Holder | 45176 | \$17.99 |



FLAP DISCS

| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> • Longer life with more stock removal compared to zirconia discs • Aggressive grinding on stainless and exotic metals • Easier to control than a grinding wheel, with no chatter • Much quieter to operate compared to grinding wheels | <ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ● Stainless ● Exotics ○ Metal Matrix | |



TYPE 29 - CERAMIC G.A.

| SIZE | DENSITY | GRIT | | | | STD. PKG. | PRICE EACH |
|-----------------|----------|-------|-------|-------|-------|-----------|------------|
| | | 36 | 40 | 60 | 80 | | |
| 4 1/2" x 7/8" | Standard | 48299 | 48300 | 48301 | 48302 | 10 | \$7.10 |
| 4 1/2" x 5/8-11 | Standard | 48303 | 48304 | 48305 | 48306 | 10 | 8.75 |
| 7" x 7/8" | Standard | 48307 | 48308 | 48309 | 48310 | 10 | 14.75 |
| 7" x 5/8-11 | Standard | 48311 | 48312 | 48313 | 48314 | 10 | 16.30 |



TYPE 27 - CERAMIC G.A.

| SIZE | DENSITY | GRIT | | | | STD. PKG. | PRICE EACH |
|-----------------|----------|-------|-------|-------|-------|-----------|------------|
| | | 36 | 40 | 60 | 80 | | |
| 4 1/2" x 7/8" | Standard | 48315 | 48316 | 48317 | 48318 | 10 | \$7.10 |
| 4 1/2" x 5/8-11 | Standard | 48319 | 48320 | 48321 | 48322 | 10 | 8.75 |
| 7" x 7/8" | Standard | 48323 | 48324 | 48325 | 48326 | 10 | 14.75 |
| 7" x 5/8-11 | Standard | 48327 | 48328 | 48329 | 48330 | 10 | 16.30 |

MINI FLAP DISCS

| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> • Aggressive grinding for tight areas • Combines grinding and finishing • Layers cut through to continually expose fresh grain • Cotton layers cushion cutting action • Great for removing cutting torch slag from steel and grinding welds | <ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ● Stainless ● Exotics ○ Metal Matrix ○ Composites | |



QUICK CHANGE TYPE "R" - ZIRC

| SIZE | GRIT | PART # | PRICE EACH |
|-----------------------|----------|--------|------------|
| 2" STD. PKG. 10 | 36 ZIRC | 37895 | \$4.00 |
| | 40 ZIRC | 37896 | 4.00 |
| | 60 ZIRC | 37897 | 4.00 |
| | 80 ZIRC | 37898 | 4.00 |
| | 120 ZIRC | 37899 | 4.00 |
| 3" STD. PKG. 10 | 36 ZIRC | 37905 | 4.94 |
| | 40 ZIRC | 37906 | 4.94 |
| | 60 ZIRC | 37907 | 4.94 |
| | 80 ZIRC | 37908 | 4.94 |
| | 120 ZIRC | 37909 | 4.94 |

TYPE "R" DISC HOLDERS - 1/4" SHANK

| SIZE | DENSITY | PART # | PRICE EACH |
|------|---------|--------|------------|
| 2" | MED. | 11275 | \$8.38 |
| 3" | MED. | 11276 | 10.60 |

FLAP DISCS

TYPE 29 - ALUMINUM OXIDE

| Characteristics/Applications | Materials | Tool Selector |
|---|---|---------------|
| <ul style="list-style-type: none"> • General purpose grinding and stock removal • Fiberglass backed Type-29 adds aggression • Easier to control than a grinding wheel, with no chatter • Ideal for mild steels and aluminum | <ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ○ Stainless ● Composites | |

| SIZE | DENSITY | GRIT | | | | STD. PKG. | PRICE EACH |
|-----------------|--------------|------|-------|-------|-------|-----------|------------|
| | | 36 | 40 | 60 | 80 | | |
| 4 1/2" x 7/8" | Standard | — | 40053 | 44020 | 44021 | 10 | \$5.31 |
| 4 1/2" x 7/8" | High Density | — | 21950 | 21951 | 21952 | 10 | 6.47 |
| 4 1/2" x 5/8-11 | High Density | — | 34326 | 34327 | 34328 | 10 | 8.30 |



STANDARD

TYPE 27 - ZIRCONIA ALUMINA

| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> • Grinding and stock removal on mild and stainless steel • Fiberglass backed Type 27 is more for finishing • Easier to control than a grinding wheel, with no chatter • Much quieter to operate compared to grinding wheels • Eliminate traditional fiber disc step-over grinding | <ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ● Stainless ● Exotics ● Metal Matrix | |

| SIZE | DENSITY | GRIT | | | | STD. PKG. | PRICE EACH |
|-----------------|--------------|-------|-------|-------|-------|-----------|------------|
| | | 36 | 40 | 60 | 80 | | |
| 4 1/2" x 7/8" | Standard | 11822 | 34982 | 11823 | 11824 | 10 | \$5.31 |
| 4 1/2" x 7/8" | High Density | 44027 | 39820 | 35888 | 39815 | 10 | 6.47 |
| 4 1/2" x 5/8-11 | Standard | 34323 | 40572 | 34324 | 34325 | 10 | 7.13 |
| 4 1/2" x 5/8-11 | High Density | — | 40367 | 44909 | 44945 | 10 | 8.30 |



HIGH DENSITY

TYPE 29 - ZIRCONIA ALUMINA

| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> • Grinding and stock removal on mild and stainless steel • Fiberglass backed Type 29 adds aggression • Easier to control than a grinding wheel, with no chatter • Much quieter to operate compared to grinding wheels • Eliminate traditional fiber disc step-over grinding | <ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ● Stainless ● Exotics ● Metal Matrix | |

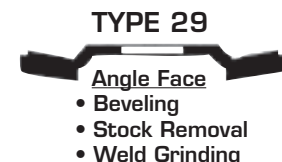
| SIZE | DENSITY | GRIT | | | | STD. PKG. | PRICE EACH |
|-----------------|--------------|-------|-------|-------|-------|-----------|------------|
| | | 36 | 40 | 60 | 80 | | |
| 4 1/2" x 7/8" | Standard | 39995 | 44028 | 44029 | 44030 | 10 | \$5.31 |
| 4 1/2" x 7/8" | High Density | 40145 | 28848 | 28849 | 28850 | 10 | 6.47 |
| 4 1/2" x 5/8-11 | Standard | 46656 | 46657 | 46658 | 46659 | 10 | 7.13 |
| 4 1/2" x 5/8-11 | High Density | — | 34329 | 34006 | 34330 | 10 | 8.30 |
| 7" x 7/8" | Standard | — | 43605 | 43606 | 46663 | 10 | 12.48 |



TYPE 27

Flat Face

- Finishing
- Flat Surface Grinding



TYPE 29

Angle Face

- Beveling
- Stock Removal
- Weld Grinding

TYPE 29 - ZIRCONIA G.A.

| Characteristics/Applications | Materials | Tool Selector |
|---|--|---------------|
| <ul style="list-style-type: none"> • Grinding and stock removal on mild and stainless steel • Fiberglass backed Type 29 adds aggression • Easier to control than a grinding wheel, with no chatter • Much quieter to operate compared to grinding wheels • Eliminate traditional fiber disc step-over grinding | <ul style="list-style-type: none"> ● Ferrous ○ Non-Ferrous ● Stainless ● Exotics ○ Metal Matrix | |

| SIZE | DENSITY | GRIT | | | | STD. PKG. | PRICE EACH |
|-----------------|--------------|-------|-------|-------|-------|-----------|------------|
| | | 36 | 40 | 60 | 80 | | |
| 4 1/2" x 7/8" | Standard | 44039 | 44040 | 44041 | 44042 | 10 | \$6.30 |
| 4 1/2" x 7/8" | High Density | 39656 | 39657 | 39658 | 39659 | 10 | 7.47 |
| 4 1/2" x 5/8-11 | Standard | 46667 | 44947 | 46665 | 46666 | 10 | 8.48 |
| 4 1/2" x 5/8-11 | High Density | — | 39661 | 39662 | 39663 | 10 | 9.79 |
| 7" x 7/8" | Standard | — | 46895 | 46668 | 46835 | 10 | 13.62 |

CUT-OFF WHEELS



CUT-OFF WHEEL MANDRELS

| STYLE | ARBOR HOLE | SHANK | PART # | PRICE EACH |
|--------|-------------|-------|--------|------------|
| W-14 | 1/4" | 1/4" | 12213 | \$8.20 |
| W-38 | 3/8" | 1/4" | 12214 | 8.53 |
| W-1438 | 1/4" & 3/8" | 1/4" | 26222 | 9.63 |

| Characteristics/Applications | Materials | Tool Selector |
|---|---|---------------|
| <ul style="list-style-type: none"> Resinoid cut-off wheels are reinforced with woven fiberglass Provides fast, clean cutting action Great for angle iron, pipes, high tensile steel, and stainless | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Composites | |

| SIZE DIA. X WIDTH X HOLE | GRIT | STD. PKG. | PART # | PRICE EACH |
|-----------------------------|------|--------------|--------|------------|
| 3" x 1/32" x 1/4" | A60T | 100 | 45266 | \$1.39 |
| 3" x 1/16" x 1/4" | A46T | 50 | 45267 | 1.39 |
| 3" x 1/8" x 1/4" | A36R | 25 | 45263 | 1.51 |
| 3" x 1/32" x 3/8" | A60T | 100 | 45264 | 1.39 |
| 3" x 1/16" x 3/8" | A46T | 50 | 45265 | 1.39 |
| 3" x 1/8" x 3/8" | A36R | 25 | 45268 | 1.51 |
| 4" x 1/32" x 3/8" | A60T | 100 | 45269 | 2.05 |
| 4" x 1/16" x 3/8" | A46T | 50 | 45270 | 2.05 |
| 4" x 1/8" x 3/8" | A36R | 25 | 45271 | 2.25 |

TYPE-27 CUT-OFF FOR ANGLE GRINDERS

| SIZE DIA. X WIDTH X HOLE | GRIT | STD. PKG. | PART # | PRICE EACH |
|-----------------------------|------|--------------|--------|------------|
| 4 1/2" x .045" x 7/8" | A60T | 25 | 45272 | \$2.79 |



DEPRESSED CENTER WHEELS

TYPE-27



| Characteristics/Applications | Materials | Tool Selector |
|--|---|---------------|
| <ul style="list-style-type: none"> Resinoid cut-off wheels are reinforced with woven fiberglass Designed for weld grinding on mild steel, angle iron, and stainless Aluminum oxide grain provides long life | <ul style="list-style-type: none"> Ferrous Non-Ferrous Stainless Plastics Composites | |

| SIZE DIA. X WIDTH X HOLE | GRIT | STD. PKG. | PART # | PRICE EACH |
|-----------------------------|------|--------------|--------|------------|
| 4 1/2" x 1/4" x 7/8" | A24R | 25 | 45273 | \$1.88 |
| 4 1/2" x 1/4" x 5/8-11 | A24R | 10 | 45275 | 5.36 |

CARTRIDGE ROLL KIT



A/O "X" WT. RESIN BOND

CONTENTS

Each kit contains 120 pcs. of the most popular sizes of straight cartridge rolls and full tapered rolls from 1/4" to 1/2" diameter in both 1" and 1 1/2" lengths. Grits are 80 and 120 resin bond. Also included are 2 mandrels with 1/4" shank.

PART # **28802**

PRICE \$70.91

ABRASIVE DISC KITS RIGID KUT

TYPE "S"

CONTENTS

Each 2" kit contains 5 pieces each A/O 36, 60, 100, 120 grits. 1 medium density holder with 1/4" shank.

PART # **46845**

PRICE \$24.00

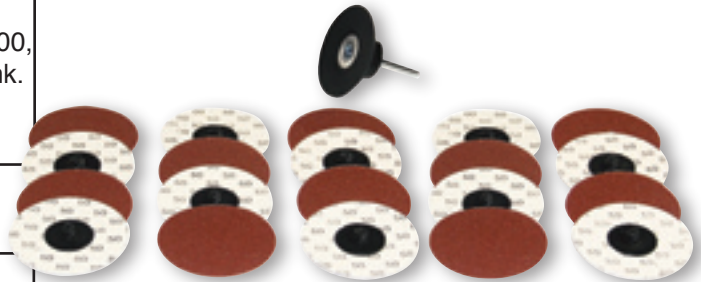
TYPE "R"

CONTENTS

Each 2" kit contains 5 discs each in A/O 36, 60, 80, 120 grits. 1 medium density holder with 1/4" shank.

PART # **46846**

PRICE \$24.00



ABRASIVE WOOL

FOR HAND FINISHING

| SIZE | GRADE | COLOR | FINISH | PART # | PRICE EACH |
|--------------|--------|--------|--------|--------------|------------|
| 1 gallon box | COARSE | RED | 2-3 | 39975 | \$21.12 |
| | MEDIUM | MAROON | 1-0 | 39976 | 21.12 |
| | FINE | GRAY | 0-0 | 39977 | 21.12 |

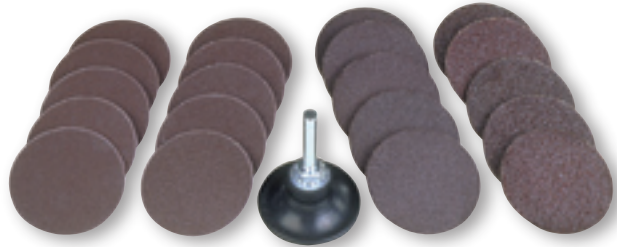
ABRASIVE DISC KITS

21-PIECE SET

CONTENTS

5 discs ea. in A/O 36, 60, 80, and 120 grit.
1 med. density holder with 1/4" shank.

| DESCRIPTION | PART # | PRICE EA. |
|-------------|--------------|-----------|
| 2" Type "S" | 34309 | \$21.86 |
| 2" Type "R" | 37500 | 21.86 |



SURFACE CONDITIONING DISC KITS

16-PIECE SET

CONTENTS

5 ea. surface conditioning discs in coarse, med. and very fine. 1 med. density holder with 1/4" shank.

| DESCRIPTION | PART # | PRICE EA. |
|-------------|--------------|-----------|
| 2" Type "S" | 34311 | \$24.95 |
| 2" Type "R" | 37501 | 24.95 |



COMBO DISC KITS

36-PIECE SET

CONTENTS

5 ea. quick change discs in A/O 36, 60, 80 and 120 grit.
5 ea. surface conditioning discs in coarse, med. and V.F. 1 medium density holder with 1/4" shank.

| SIZE | TYPE "S" PART # | TYPE "R" PART # | PRICE EA. |
|------|-----------------|-----------------|-----------|
| 2" | 28313 | 32056 | \$43.00 |
| 3" | 28801 | 32057 | 61.90 |



FINISHING WHEEL KIT



6-PIECE SET

CONTENTS

1 EA. MTD. DISC WHEEL - 2³/₈" x 1" x 1/4" SK. A/O MEDIUM
 1 EA. MTD. DISC WHEEL - 2³/₈" x 1" x 1/4" SK. A/O FINE
 1 EA. MTD. DISC WHEEL - 3" x 1" x 1/4" SK. A/O FINE
 1 EA. MTD. DISC WHEEL - 3" x 1" x 1/4" SK. A/O MEDIUM
 1 EA. MTD. DUPLEX WHEEL - 3" x 1" x 1/4" SK. 80 GRIT
 1 EA. MTD. DUPLEX WHEEL - 3" x 1" x 1/4" SK. 180 GRIT

PART # **32061**

PRICE \$57.77

MINI DISC WHEEL KIT

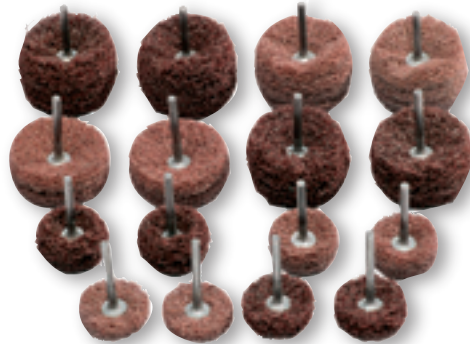
16-PIECE SET

CONTENTS

2 EA. GRIT - 1" x 1/8" SK. 1 PLY MED. AND FINE
 2 EA. GRIT - 1" x 1/8" SK. 2 PLY MED. AND FINE
 2 EA. GRIT - 1 1/2" x 1/8" SK. 2 PLY MED. AND FINE
 2 EA. GRIT - 1 1/2" x 1/8" SK. 3 PLY MED. AND FINE

PART # **40432**

PRICE \$33.47



MTD. XL WHEEL KITS

KIT #1 — 6 WHEELS

CONTENTS

1 WHEEL - 1"x 1/8" x 1/8" SK. 2S FINE
 1 WHEEL - 1"x 1/8" x 1/8" SK. 6A MEDIUM
 1 WHEEL - 1"x 1/8" x 1/8" SK. 8A COARSE
 1 WHEEL - 1"x 1/4" x 1/8" SK. 2S FINE
 1 WHEEL - 1"x 1/4" x 1/8" SK. 6A MED.
 1 WHEEL - 1"x 1/4" x 1/8" SK. 8A COARSE

PART # **40544**

PRICE \$19.73



KIT #1

KIT #2 — 6 WHEELS

CONTENTS

1 WHEEL - 1 1/2"x 1/4" x 1/4" SK. 2S FINE
 1 WHEEL - 1 1/2"x 1/4" x 1/4" SK. 6A MEDIUM
 1 WHEEL - 1 1/2"x 1/4" x 1/4" SK. 8A COARSE
 1 WHEEL - 2"x 1/4" x 1/4" SK. 2S FINE
 1 WHEEL - 2"x 1/4" x 1/4" SK. 6A MED.
 1 WHEEL - 2"x 1/4" x 1/4" SK. 8A COARSE

PART # **40545**

PRICE \$30.24



KIT #2

FLAP WHEEL TEST KIT

10-PIECE SET - 1/4" SHANK

CONTENTS

3" x 1"; One wheel each in 60, 80 and 120 grit
2" x 1"; One wheel each in 60, 80, 120 and 180 grit
1" x 1"; One wheel each in 60, 80 and 120 grit
PART # **28799** PRICE \$45.32



MINI FLAP WHEEL KIT

5-PIECE SET

CONTENTS

Each kit contains five wheels in various grits and widths in 3/8", 5/8", 3/4" and 13/16" diameters all mounted on a 1/8" diameter hardened steel shank.
PART # **27276** PRICE \$24.21

STRIPPING WHEEL KIT

4-PIECE SET

CONTENTS

1 wheel 2" x 1/2" x 1/4" SK. S/C X-Coarse
1 wheel 2" x 1" x 1/4" SK. S/C X-Coarse
1 wheel 3" x 1/2" x 1/4" SK. S/C X-Coarse
1 wheel 3" x 1" x 1/4" SK. S/C X-Coarse
PART # **36956** PRICE \$32.09



CONDITIONS OF SALES

ORDERING: All items should be ordered by part number and placed through your local Superior distributor, they stock many of our products for your convenience. Call us for the one nearest you.

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QUANTITY VARIANCE: Due to the nature of manufacturing, Superior reserves the right to overship or undership the quantity ordered by 10%

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