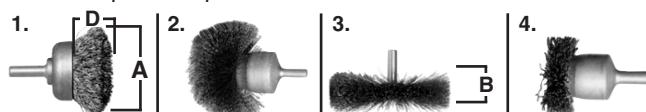


# STEEL WIRE WHEEL and WIRE SCRATCH BRUSHES

## STEM MOUNTED WIRE WHEEL BRUSHES

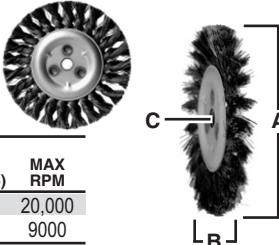
- For carbon cleaning, polishing, weld cleaning, scale removal, rust & paint removal, rubber & plastic flash removal, deburring and ID pipe cleaning mounted on 1/4" stems.
- Use on portable power tools.



| PART NUMBER | STYLE                       | (A) DIA | WIRE SIZE | (D) TRIM LENGTH | (B) FACE WIDTH | MAX RPM |
|-------------|-----------------------------|---------|-----------|-----------------|----------------|---------|
| 812711      | Cup <sup>1</sup>            | 1-3/4   | .0118     | 3/4             | --             | 13,000  |
| 812712      | Circular flair <sup>2</sup> | 3       | .008      | 2               | --             | 14,000  |
| 812713      | Conflex narrow <sup>3</sup> | 3       | .008      | --              | 3/8            | 20,000  |
| 812714      | Conflex narrow <sup>3</sup> | 3       | .0118     | --              | 3/8            | 20,000  |
| 812715      | Conflex wide <sup>4</sup>   | 1-1/2   | .0118     | --              | 1/2            | 20,000  |
| 812719      | Circular flair <sup>2</sup> | 1-1/2   | .006      | 1               | --             | 20,000  |
| 812720      | Conflex narrow <sup>3</sup> | 2       | .014      | 7/16            | --             | 25,000  |
| 812721      | Conflex narrow <sup>3</sup> | 2-1/2   | .014      | 11/16           | --             | 20,000  |

## KNOT WIRE WHEELS

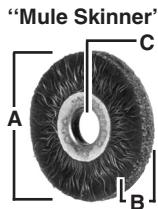
- For high impact, heavy duty cleaning in severe applications, weld cleaning, removal of rubber & plastic flash.



## EPOXY ENCAPSULED WIRE WHEEL

- The wire tips are firmly held & supported producing an aggressive brushing action & longer life.
- For heavy duty - burr removal, weld scale, rust & cleaning in narrow or confined areas.

| PART NUMBER | (A) DIA<br>(INCHES) | WIRE SIZE | (B)<br>FACE<br>WIDTH | (C)<br>ARBOR<br>(INCHES) | MAX RPM |
|-------------|---------------------|-----------|----------------------|--------------------------|---------|
| 812753      | 4                   | .014      | 1/4                  | 5/8-11                   | 20,000  |
| 812151      | 6                   | .023      | 1/2                  | 1/2, 5/8                 | 9000    |

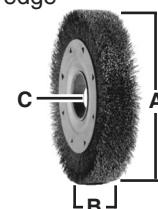


## CRIMPED WIRE WHEELS

- For cleaning rust, scale and dirt, deburring, edge blending, surface preparation & finishing.
- Light and medium duty work.

| PART NUMBER | (A) DIA<br>(INCHES) | WIRE SIZE | (B)<br>FACE<br>WIDTH | (C)<br>ARBOR<br>(INCHES) | MAX RPM |
|-------------|---------------------|-----------|----------------------|--------------------------|---------|
| 812702      | 6                   | .014      | 3/4                  | 1/2, 5/8                 | 6,000   |
| 812150*     | 6                   | .014      | 1                    | 2                        | 6,000   |
| 812899*     | 8                   | .012      | 1                    | 2                        | 4,000   |

\* Order adapters separately.



## ARBOR ADAPTERS

- Reduces wire wheels with 2" arbor holes.

| PART NUMBER | SIZE |
|-------------|------|
| 812750      | 1/2  |
| 812751      | 5/8  |
| 812752      | 3/4  |

Sold  
In Pairs



## THREADED DRIVE ARBOR

- For adapting wire wheels with 1/2" arbor to portable power tools.
- 1/2" diameter.
- 1/4" shank.

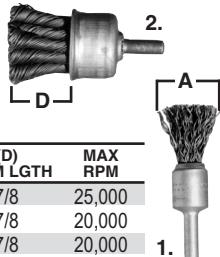
Part No. 812157



## STEM MOUNTED WIRE END BRUSHES

- Crimped wire for light & medium duty.
  - Knot wire for heavy duty cleaning, finishing & polishing.
  - Removes burrs, weld splatter, etc.
  - Mounted on 1/4" stems.
- Use on portable power tools.

| PART NUMBER | STYLE                     | (A)<br>DIA | WIRE<br>SIZE | (D)<br>TRIM<br>LENGTH | MAX<br>RPM |
|-------------|---------------------------|------------|--------------|-----------------------|------------|
| 812709      | Crimped wire <sup>1</sup> | 1/2        | .020         | 7/8                   | 25,000     |
| 812710      | Crimped wire <sup>1</sup> | 3/4        | .020         | 7/8                   | 20,000     |
| 812153      | Crimped wire <sup>1</sup> | 1          | .014         | 7/8                   | 20,000     |
| 812152      | Knot <sup>2</sup>         | 1-1/8      | .020         | 7/8                   | 20,000     |



## KNOT WIRE CUP BRUSHES

- For heavy duty cleaning, roughening, deburring on large metal surfaces.
- Removal of weld scale, corrosion, paint, rust on large surfaces.
- Provides high impact cutting action in severe applications.
- All have a single row of knot wire with one exception. Part No. 812708 has a double row of knot wire.

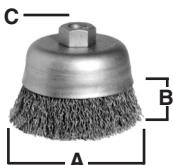


\*Double Row of Knot Wire  
Part No. 812708

## CRIMPED WIRE CUP BRUSHES

- For light and medium duty cleaning, roughening, & deburring of large metal surfaces.
- Removes weld scale, rust, paint and corrosion.

| PART NUMBER | (A)<br>DIA<br>(INCHES) | WIRE<br>SIZE | (B)<br>TRIM<br>LENGTH | (C)<br>ARBOR<br>(INCHES) | MAX<br>RPM |
|-------------|------------------------|--------------|-----------------------|--------------------------|------------|
| 812706      | 4                      | .023         | 1-1/4                 | 5/8-11                   | 9,000      |
| 812707      | 6                      | .023         | 1-3/8                 | 5/8-11                   | 6,000      |
| 812708*     | 6                      | .023         | 1-3/8                 | 5/8-11                   | 6,000      |



## WIRE SCRATCH BRUSHES

14" x 15/16" Block Size  
3 x 19 Rows of wire  
Part No. 812155



10" x 1-1/8" Block Size  
4 x 16 Rows of wire  
Part No. 812156



# STEEL, NYLON and GRINDER BRUSHES

## POWER TUBE BRUSHES

**Great for those blind & hard to reach areas.**

**Ideal for:** Deburring, cleaning of drilled holes and internal threads. Cleaning and finishing internal diameters of pipes & tubes. Carbon removal. Used in drill presses, portable tools and lathes. Also used as hand tool.

**Maximum safe speed is 3,450 RPM**

Constructed of "HT" Steel Wire (High Tensile, Heat Treated)

### - ROUND TYPE -



| PART NUMBER | DIA. (INCHES) | WIRE SIZE | STEM DIA. | OVERALL LENGTH | BRUSH LENGTH |
|-------------|---------------|-----------|-----------|----------------|--------------|
| 815168      | 1/4           | .004      | 1/8       | 3-1/2          | 1            |
| 815169      | 1/2           | .005      | 3/16      | 3-1/2          | 1            |
| 815170      | 5/8           | .005      | 3/16      | 3-1/2          | 1            |
| 815171      | 3/4           | .006      | 1/4       | 3-1/2          | 1            |

### - DOUBLE SPIRAL TYPE -



| PART NUMBER | DIA. (INCHES) | WIRE SIZE | OVERALL LENGTH | BRUSH LENGTH |
|-------------|---------------|-----------|----------------|--------------|
| 815178      | 1/2           | .004      | 5              | 2            |
| 815179      | 5/8           | .005      | 5              | 2            |
| 815180      | 3/4           | .006      | 5-1/2          | 2-1/2        |
| 815181      | 1             | .010      | 5-1/2          | 2-1/2        |

**NOTE:** All Power Tube Brushes must be fully chucked before using.

## CONDENSER TUBE BRUSHES

**Stainless steel single spiral / double stem.**



| PART NUMBER | SIZE (INCHES)                 |
|-------------|-------------------------------|
| 815229      | 3/4 x 4 x 12-24 Female Thread |

## MIGHTY MITES®

**Small angle grinder brushes used for: roughening, deburring, cleaning, rust / paint removal, surface conditioning and weld splatter.**

- Permanently marked thread size - easy to tell what brush fits what grinder.
- Quick mount hi-profile nut - perfect balance.
- All steel hub construction.
- 'HT' steel wire high tensile, heat treated) for long life.
- Solid ring construction - each wire held around solid steel ring.



## CRIMPED WIRE CUP

| PART NUMBER | DIA. (INCHES) | WIRE SIZE | ARBOR THREAD SIZE. | TRIM LENGTH | FACE WIDTH | MAX. SAFE SPEED |
|-------------|---------------|-----------|--------------------|-------------|------------|-----------------|
| 815188      | 3             | .014      | 5/8"-11 UNC        | 1           | 5/8        | 14,000          |



## KNOT WHEEL (Stringer Bead Twist)

| PART NUMBER | DIA. (INCHES) | WIRE SIZE | ARBOR THREAD SIZE. | TRIM LENGTH | FACE WIDTH | MAX. SAFE SPEED |
|-------------|---------------|-----------|--------------------|-------------|------------|-----------------|
| 815194      | 4             | .020      | 10mm x 1.25*       | 7/8         | 3/16       | 20,000          |
| 815198      | 4             | .020      | 5/8"-11 UNC        | 7/8         | 3/16       | 20,000          |

## MINIATURE BRUSHES

For light deburring, cleaning, or polishing. Used with high speed portable and flexible shaft tools. Cup & wheel brushes have a solid ring construction - each individual filament is wrapped around solid steel ring which ensures the filament is permanently anchored.



### - CUP BRUSHES -

| PART NUMBER | DIA. | WIRE SIZE | STEM DIA. | MAX. RPM | FILL TYPE |
|-------------|------|-----------|-----------|----------|-----------|
| 815164      | 9/16 | .005      | 1/8       | 25,000   | Wire      |



### - END BRUSHES -

| PART NUMBER | DIA. | WIRE SIZE | STEM DIA. | MAX. RPM | FILL TYPE |
|-------------|------|-----------|-----------|----------|-----------|
| 815166      | 3/16 | .003      | 1/8       | 25,000   | Wire      |



### - WHEEL BRUSHES -

| PART NUMBER | DIA. | WIRE SIZE | STEM DIA. | MAX. RPM | FILL TYPE |
|-------------|------|-----------|-----------|----------|-----------|
| 815162      | 3/4  | .003      | 1/8       | 25,000   | Wire      |



## TUBE FITTING BRUSHES

**Stainless steel wire.**

Highest quality fitting brush, double spiral 4-ply wire construction. Solid plastic hand-fitting handle with convenient hole for hanging.

| PART NUMBER | SIZE | PART NUMBER | SIZE | PART NUMBER | SIZE |
|-------------|------|-------------|------|-------------|------|
| 815425      | 1/8  | 815428      | 1/2  | 815430      | 3/4  |
| 815426      | 1/4  | 815429      | 5/8  | 815431      | 1    |
| 815427      | 3/8  |             |      |             |      |

## MIGHTY MITES®

**Small angle grinder brushes used for: roughening, deburring, cleaning, rust / paint removal, surface conditioning and weld splatter.**

- Permanently marked thread size - easy to tell what brush fits what grinder.
- Quick mount hi-profile nut - perfect balance.
- All steel hub construction.
- 'HT' steel wire high tensile, heat treated) for long life.
- Solid ring construction - each wire held around solid steel ring.



## KNOT CUP

| PART NUMBER | DIA. (INCHES) | WIRE SIZE | ARBOR THREAD SIZE. | TRIM LENGTH | FACE WIDTH | MAX. SAFE SPEED |
|-------------|---------------|-----------|--------------------|-------------|------------|-----------------|
| 815192      | 2-3/4         | .020      | 1/2"-13 UNC        | 3/4         | 3/8        | 14,000          |
| 815193      | 2-3/4         | .020      | 5/8"-11 UNC        | 3/4         | 3/8        | 14,000          |



## KNOT WHEEL (Cable Twist)

| PART NUMBER | DIA. (INCHES) | WIRE SIZE | ARBOR THREAD SIZE. | TRIM LENGTH | FACE WIDTH | MAX. SAFE SPEED |
|-------------|---------------|-----------|--------------------|-------------|------------|-----------------|
| 815203      | 4             | .020      | 5/8"-11 UNC        | 7/8         | 1/4        | 20,000          |

## COATED ABRASIVES

PSS060420

**FLAP DISC  
TRIMMABLE FIBER BACKING**

- As disc wears down, trim away 1/4" for a new cutting edge.
- Can be trimmed up to 3 times total.
- Long lasting, removes more material than competitors.
- Remove welds and finish surface, in one step!
- Saves time, money and maximizes productivity.

## - TYPE 27S -

| PART NUMBER | WHEEL SIZE DIA (INCHES) | ARBOR HOLE | GRIT | MAX SPEED RPM | QTY |
|-------------|-------------------------|------------|------|---------------|-----|
| 815340      | 4-1/2                   | 5/8-11     | 40   | 13,300        | 10  |
| 815341      | 4-1/2                   | 5/8-11     | 60   | 13,300        | 10  |

**ZIRCONIUM BLUE FLASH FLAP DISCS**

Best used on flat or gently contoured surfaces for:

- Paint & rust removal.
- Die cast and weld grinding.
- Auto body finishing.
- Aluminum finishing.
- Deburring & masonry work.
- Wood & plastic work.

**IMPORTANT:** To obtain a similar surface finish select a flap disc which is 1 - 2 grades coarser than conventional disc.

## TYPE 29

**AGGRESSOR**

- Aluminum backing plate.

## - ANGLED FACED - TYPE 29 -

| PART NUMBER | WHEEL SIZE DIA (INCHES) | ARBOR HOLE | GRIT | MAX SPEED RPM |
|-------------|-------------------------|------------|------|---------------|
| 815131      | 4-1/2                   | 5/8-11     | 36   | 13,000        |
| 815132      | 4-1/2                   | 5/8-11     | 60   | 13,000        |
| 815133      | 4-1/2                   | 5/8-11     | 80   | 13,000        |

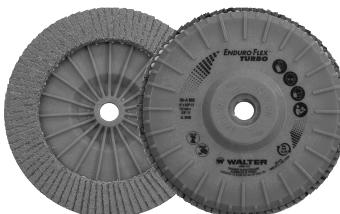
**JUMBO DENSITY**

- 80% more life - fiberglass backing plate.

## - ANGLED FACED - TYPE 29 -

| PART NUMBER | WHEEL SIZE DIA (INCHES) | ARBOR HOLE | GRIT | MAX SPEED RPM |
|-------------|-------------------------|------------|------|---------------|
| 815375      | 4-1/2                   | 7/8        | 36   | 13,300        |
| 815376      | 4-1/2                   | 7/8        | 60   | 13,300        |
| 815377      | 4-1/2                   | 7/8        | 80   | 13,300        |
| 815378      | 4-1/2                   | 5/8-11     | 36   | 13,300        |
| 815379      | 4-1/2                   | 5/8-11     | 60   | 13,300        |
| 815380      | 4-1/2                   | 5/8-11     | 80   | 13,300        |

PSS060520

**FLAP DISC  
HIGH PERFORMANCE - FASTEST CUTTING**

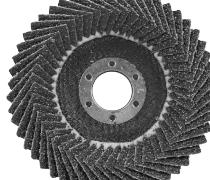
- Highest removal rate in the industry.
- Blend welds & break edges faster.



## - TYPE 27S -

| PART NUMBER | WHEEL SIZE DIA (INCHES) | ARBOR HOLE | GRADE | MAX SPEED RPM | QTY |
|-------------|-------------------------|------------|-------|---------------|-----|
| 815223      | 4-1/2                   | 5/8-11     | 36/60 | 13,300        | 10  |

## TYPE 27



PSS110816.BLUEFLASHDISC

**NON-SCRATCHING**

- Fiberglass backing plate.

## - ANGLED FACED - TYPE 29 -

| PART NUMBER | WHEEL SIZE DIA (INCHES) | ARBOR HOLE | GRIT | MAX SPEED RPM |
|-------------|-------------------------|------------|------|---------------|
| 815350      | 4-1/2                   | 7/8        | 36   | 13,300        |
| 815351      | 4-1/2                   | 7/8        | 60   | 13,300        |
| 815352      | 4-1/2                   | 7/8        | 80   | 13,300        |
| 815349      | 4-1/2                   | 7/8        | 120  | 13,300        |
| 815353      | 4-1/2                   | 5/8-11     | 36   | 13,300        |
| 815354      | 4-1/2                   | 5/8-11     | 60   | 13,300        |
| 815355      | 4-1/2                   | 5/8-11     | 80   | 13,300        |

Ideal for blending and finishing on contoured surfaces.

Blending welds on right angle sections.

Pipe/tube fabrication/stainless steel vessel fabrication.

- Unique construction gives flexible abrasive flaps.
- More flexible compared to resin fibre discs.
- Longer life compared to resin fibre discs.

## - FLAT FACED - TYPE 27 -

| PART NUMBER | WHEEL SIZE DIA (INCHES) | ARBOR HOLE | GRIT | MAX SPEED RPM |
|-------------|-------------------------|------------|------|---------------|
| 815359      | 4-1/2                   | 7/8        | 36   | 13,300        |
| 815360      | 4-1/2                   | 7/8        | 60   | 13,300        |
| 815361      | 4-1/2                   | 7/8        | 80   | 13,300        |
| 815362      | 4-1/2                   | 7/8        | 120  | 13,300        |
| 815363      | 4-1/2                   | 5/8-11     | 36   | 13,300        |
| 815364      | 4-1/2                   | 5/8-11     | 60   | 13,300        |
| 815365      | 4-1/2                   | 5/8-11     | 80   | 13,300        |
| 815366      | 4-1/2                   | 5/8-11     | 120  | 13,300        |
| 815369      | 7                       | 7/8        | 80   | 8,600         |

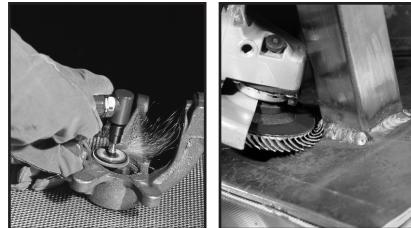
# COATED ABRASIVES

## MINI - ZIRCONIUM BLUE FLASH FLAP DISCS

**Polishing and finishing, chamfering, deburring, grinding, stock and weld removal, weld preparation, blending, beveling, edge grinding and grid line removal.**

- Simultaneously grind and finish in one application.
- Consistent aggression throughout disc life.
- Grinds cool, reducing bluing and burning of work surface.
- Overlapping flap construction virtually eliminates edge wear.
- Coarser grits provide for rapid stock removal.
- Small diameters permit access to confined and hard-to-reach areas.
- Interrupted flap surface reduces glazing and loading.

- 20 times the life of cloth backed disc.
- Used on stainless steel, cast iron, brass, bronze, aluminum, titanium, inconel composites, fiberglass, plastic and much more.
- Used with straight or angled grinders and electric power tools.



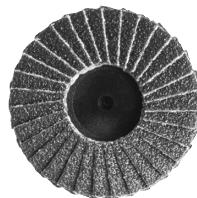
### Used by:

- Sheet metal fabrication.
- Aerospace.
- Foundries.
- Maintenance dept.'s.
- Petrochemical.
- Food equipment.
- Appliance.
- Automotive.
- And much, much more...

## TWIST-LOCK MINI FLAP DISC - ZIRCONIUM COATED

### - FLAT -

- For confined and hard-to-reach areas.



### 2" TEST KIT

Part No. 815300

Each kit contains  
(1) 36, 60, 80 & 120 grit disc  
plus (1) disc holder pad

### 3" TEST KIT

Part No. 815301

Each kit contains  
(1) 36, 60, 80 & 120 grit disc  
plus (1) disc holder pad

### - FLEXIBLE -

- For contoured and irregular surfaces.



### 2" TEST KIT

Part No. 815302

Each kit contains  
(1) 36, 60, 80 & 120 grit disc  
plus (1) disc holder pad

### 3" TEST KIT

Part No. 815303

Each kit contains  
(1) 36, 60, 80 & 120 grit disc  
plus (1) disc holder pad

### - HOLDERS -



| PART NUMBER | SIZE DIA (INCHES) |
|-------------|-------------------|
| 811617      | 2                 |
| 811618      | 3                 |

## E-Z ABRASIVE MOUNTED FLAP WHEELS

Achieve a uniform finish on steel, aluminum, wood, plastic, acrylics, stainless steel & fiberglass.

- Excellent for contoured surfaces and hard to reach areas.
- Unique design assures smoother running at higher speeds.
- Special non-loading, aluminum oxide, resin bond cloth.



| PART NUMBER | GRIT | SIZE      | MAX RPM |
|-------------|------|-----------|---------|
| 815136      | 60   | 1 x 1     | 25,000  |
| 815137      | 80   | 1 x 1     | 25,000  |
| 815138      | 120  | 1 x 1     | 25,000  |
| 815324      | 60   | 1-1/2 x 1 | 25,000  |
| 815325      | 80   | 1-1/2 x 1 | 25,000  |
| 815326      | 120  | 1-1/2 x 1 | 25,000  |

| PART NUMBER | GRIT | SIZE  | MAX RPM |
|-------------|------|-------|---------|
| 815139      | 60   | 2 x 1 | 25,000  |
| 812425      | 80   | 2 x 1 | 23,000  |
| 815140      | 120  | 2 x 1 | 23,000  |
| 815141      | 60   | 3 x 1 | 20,000  |
| 815142      | 80   | 3 x 1 | 20,000  |
| 815143      | 120  | 3 x 1 | 20,000  |

## SILICON CARBIDE SCREEN CLOTH ASSORTMENT

Working & polishing grits, all in one easy-to-use, sturdy dispenser box.

### Replacement Rolls

| PART NUMBER | GRIT | SIZE          | GRADE  |
|-------------|------|---------------|--------|
| 812444      | 80   | 1-1/2 x 10 yd | Coarse |
| 812445      | 120  | 1-1/2 x 10 yd | Medium |
| 812446      | 180  | 1-1/2 x 10 yd | Fine   |



Part No. 812440

PSS110716.812444-446

140

## SILICON CARBIDE SCREEN CLOTH DISPENSER ROLLS

| GRIT            | PART NUMBER     | GRADE  |
|-----------------|-----------------|--------|
| 1-1/2" x 25 ft. | 1-1/2" x 25 yd. |        |
| 80              | 812442          | Coarse |
| 120             | 812199          | Medium |
| 180             | 812443          | Fine   |
|                 | 812452          |        |
|                 | 812451          |        |
|                 | 812450          |        |



## COATED ABRASIVES

## EMERY CLOTH SHEETS

General purpose metal sanding.



- Quick rust removal - for dry use only.
- Made of long-lasting Aluminum Oxide.

| PART NUMBER | GRIT | SIZE (INCHES) | QTY |
|-------------|------|---------------|-----|
| 812186      | 80   | 9 x 11        | 25  |
| 812185      | 120  | 9 x 11        | 25  |
| 812184      | 180  | 9 x 11        | 25  |

## EMERY CLOTH UTILITY ROLLS



Deburring, cleaning, removing rust and smoothing rough spots.

- Long lasting Aluminum Oxide.
- For dry use only.

| GRIT | PART NUMBER |             |                 |                 |             |             |
|------|-------------|-------------|-----------------|-----------------|-------------|-------------|
|      | 1" x 50 ft. | 1" x 50 yd. | 1-1/2" x 50 ft. | 1-1/2" x 50 yd. | 2" x 50 ft. | 2" x 50 yd. |
| 80   | 812338      | 811624      | 812139          | 811630          | 812346      | 811633      |
| 120  | 812195      | 811623      | 812138          | 811629          | 812196      | 811632      |
| 150  | 812339      | 811622      | 812343          | 811628          | ---         | ---         |
| 180  | 812340      | 811621      | 812137          | 811627          | ---         | 811631      |
| 240  | 812341      | 811620      | ---             | 811626          | ---         | ---         |
| 320  | 812342      | ---         | 812345          | 811625          | ---         | ---         |

## CROCUS CLOTH SHEETS

Smooth polishing &amp; finishing of all machined surfaces.



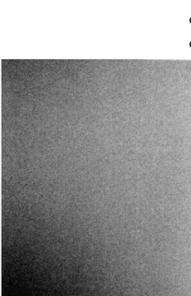
- Superfine crocus powder.
- Use dry or with oil as lubricant.

| PART NUMBER | GRIT | DIA. (INCHES) | QTY |
|-------------|------|---------------|-----|
| 812187      | FINE | 9 x 11        | 25  |

CARBORUNDUM: Flexback Crocus Cloth  
NORTON: Crocus Cloth  
3M: Crystal Crocus Cloth

## FASTCUT SANDING SHEETS

Shaping &amp; finishing plastic filler and feather-edging, deburring metal, clean-up and wood finishing.



- Open coat resists loading.
- Aluminum oxide coated to paper backing.

| PART NUMBER | GRIT | SIZE (INCHES) | QTY |
|-------------|------|---------------|-----|
| 812174      | 120  | 9 x 11        | 25  |
| 812188      | 80   | 9 x 11        | 25  |
| 811634      | 40   | 9 x 11        | 25  |
| 811638      | 80   | 3 x 8         | 100 |
| 811640      | 40   | 3-2/3 x 9     | 50  |

CARBORUNDUM: "Fastcut" Paper-Aloxite Open  
NORTON: Adalox Paper-Open coat  
3M: Production Cabinet Paper Open Coat

## FASTCUT WET or DRY SHEETS

Surface sanding, feather-edging, old finishes.

(wet sanding with water)

- Special, long lasting silicone carbide coating.
- Sheets stay flexible & cut fast.



| PART NUMBER | GRIT | SIZE (INCHES) | QTY |
|-------------|------|---------------|-----|
| 812175      | 600A | 9 x 11        | 25  |
| 812189      | 400  | 9 x 11        | 25  |
| 812190      | 320  | 9 x 11        | 25  |
| 812191      | 220  | 9 x 11        | 25  |

CARBORUNDUM: "Fastcut" Waterproof Paper, Silicone Carbon  
NORTON: Speed wet or Tufbak Durite Paper  
3M: Wet or Dry, Softback, Tri-M-Ite Paper Type "W"

## 3M STIKIT GOLD DISCS – ROLLS

- Durable and long lasting.
- Available in a full range of grits in "A" weight, comes in roll form.
- Pressure sensitive adhesive for easy application and removal.



| PART NUMBER | GRIT | DIA. (INCHES) | QTY     |
|-------------|------|---------------|---------|
| 901417      | P500 | 5             | 175/box |
| 901419      | P400 | 5             | 175/box |
| 901420      | P320 | 5             | 175/box |
| 901421      | P280 | 5             | 175/box |
| 901422      | P240 | 5             | 175/box |
| 901423      | P220 | 5             | 175/box |
| 901424      | P180 | 5             | 175/box |
| 901425      | P150 | 5             | 175/box |
| 901426      | P120 | 5             | 175/box |
| 901427      | P100 | 5             | 175/box |
| 901428      | P80  | 5             | 175/box |

| PART NUMBER | GRIT | DIA. (INCHES) | QTY     |
|-------------|------|---------------|---------|
| 901435      | 320A | 6             | 175/box |
| 901439      | 180A | 6             | 175/box |

## PLUMBERS ROLLS

Used to clean copper tubing and fittings.



Part No. 812447  
1-1/2" x 10 yds.

## E-Z CLEAN CLOTH ROLL

- Water resistant.

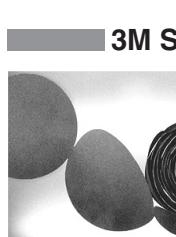
- Aluminum oxide double bonded to cloth backing for durability.
- Fast cleaning.
- Long lasting, 120-J grit.
- Packed in dispenser box.



Part No. 812448  
1-1/2" x 5 yds.

## GRIP-KUT MESH CLOTH ROLL

- 100% waterproof.
- Aluminum oxide on both sides provides long lasting sharp cutting.
- 180 grit, open-mesh coated on a synthetic nylon backing.
- Reuseable, just rinse in water or tap against hard surface.
- Packed in dispenser box.



## 3M STIKIT GREEN DISC ROLLS

- More durable and longer lasting than most disc products.
- Pressure sensitive backing for easy application.
- Comes in roll form.

| PART NUMBER | GRIT | DIA. (INCHES) | QTY |
|-------------|------|---------------|-----|
| 901506      | 80D  | 6             | 100 |

## 3M STIKIT DISC PAD

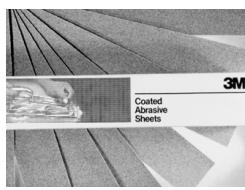
- Made for use with STIKIT discs.
- Vinyl pad face provides good adhesion, and easy disc removal.
- Lightweight, shock resistant & well balanced.
- Maximum RPM is 7,000.



| PART NUMBER | DIA. (INCHES) | QTY |
|-------------|---------------|-----|
| 905576      | 6             | ea  |

## 3M SANDING SHEETS

## Production Paper Sheets (Open Coat)



- Dry sand only by machine or hand.
- Resists loading and works well for shaping and finishing plastic filler and feather-edging.

| PART NUMBER | GRIT | DIA. (INCHES)  | QTY     |
|-------------|------|----------------|---------|
| 902135      | 80D  | 2-3/4 x 17-1/2 | 100/box |

# COATED ABRASIVES

## 3M SANDING SHEETS

### Wet or Dry TRI-M-ITE Paper Sheets

- Use wet or dry for sanding old finishes, fine feather-edging & surface sanding.

- Stays flexible and cuts fast.

**Used on various disc machines for:**

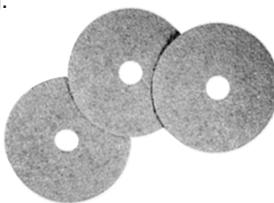
- Sanding old finishes.
- Fine feather-edging.
- Sanding primer surfaces.



| PART NUMBER | GRIT | DIA. (INCHES) | QTY    |
|-------------|------|---------------|--------|
| 902000      | 600A | 9x11          | 50/box |
| 902002      | 400A | 9x11          | 50/box |
| 902004      | 320A | 9x11          | 50/box |
| 902007      | 220A | 9x11          | 50/box |

## BOLT ON FAST CUT GRINDING DISCS

- Closed coat - resists loading & glazing.
- Designed for fast cutting & uniform finishing.
- Used for metal or plastics, sanding and paint stripping.
- Max. safe operating speed 5000 RPM.
- Aluminum oxide abrasive coated, to fiber backing.



| PART NUMBER | GRIT | SIZE (INCHES) | HOLE SIZE (INCHES) |
|-------------|------|---------------|--------------------|
| 815330      | 5 24 | 4-1/2         | 7/8                |
| 815331      | 5 36 | 4-1/2         | 7/8                |
| 815332      | 5 50 | 4-1/2         | 7/8                |
| 815333      | 5 60 | 4-1/2         | 7/8                |
| 815334      | 5 80 | 4-1/2         | 7/8                |

| PART NUMBER | GRIT  | SIZE (INCHES) | HOLE SIZE (INCHES) |
|-------------|-------|---------------|--------------------|
| 815336      | 5 120 | 4-1/2         | 7/8                |
| 815337      | 5 36  | 5             | 7/8                |
| 815144      | 6 24  | 5             | 7/8                |
| 815145      | 6 120 | 7             | 7/8                |

| PART NUMBER | GRIT | SIZE (INCHES) | HOLE SIZE (INCHES) |
|-------------|------|---------------|--------------------|
| 815147      | 6 80 | 7             | 7/8                |
| 812192      | 6 36 | 7             | 7/8                |
| 812193      | 6 24 | 7             | 7/8                |
| 812194      | 6 16 | 7             | 7/8                |

## SPIRAL BANDS

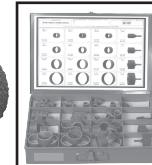
**Ideal for grinding, blending, stock removal, deburring, finishing, polishing, shaping, smoothing, on flat and contoured surfaces in hard-to-reach places.**

| SIZE DIA. X LENGTH | PART NUMBER | GRIT | QTY |
|--------------------|-------------|------|-----|
| 1/2 x 1/2          | 815460      | 20   |     |
| 1/2 x 1/2          | 815461      | 20   |     |
| 1/2 x 1/2          | 815462      | 20   |     |
| 3/4 x 1            | 815463      | 20   |     |
| 3/4 x 1            | 815464      | 20   |     |
| 3/4 x 1            | 815465      | 20   |     |
| 3/4 x 1            | 815466      | 20   |     |
| 1 x 1              | 815467      | 20   |     |
| 1 x 1              | 815468      | 20   |     |
| 1 x 1              | 815469      | 20   |     |
| 1 x 1              | 815470      | 20   |     |
| 1 x 1              | 815471      | 20   |     |

| SIZE DIA. X LENGTH | PART NUMBER | GRIT | QTY |
|--------------------|-------------|------|-----|
| 1 x 1-1/2          | 815472      | 20   |     |
| 1 x 1-1/2          | 815473      | 20   |     |
| 1 x 1-1/2          | 815474      | 20   |     |
| 1-1/2 x 1          | 815475      | 20   |     |
| 1-1/2 x 1          | 815476      | 20   |     |
| 1-1/2 x 1          | 815477      | 20   |     |
| 1-1/2 x 1          | 815478      | 20   |     |
| 2 x 1              | 815479      | 20   |     |
| 2 x 1              | 815480      | 20   |     |
| 2 x 1              | 815481      | 20   |     |
| 2 x 1              | 815482      | 20   |     |

- Extra durable - inner cloth liner adheres to band.
- Eliminates slippage with cloth inner liner.
- Cuts cost - no tooling for operator.
- Eliminates lap marks.
- Fast cutting - leaves a smooth even superior finish.
- Aluminum oxide, x-weight cloth.

- Eliminates tedious, time consuming hand work in production, toolroom, maintenance and automotive applications.
- Used on portable drills, die grinders, straight shaft and angle grinders.
- Provides smooth chatter free operation.



Part No. 501702  
49 pieces • 16 items • 12050 steel tray  
815451 815464 815469 815478  
815452 815465 815470 815480  
815454 815466 815476 815481  
815455 815468 815477 815482  
Numbers in assortment

## SOLID RUBBER DRUMS

**Used with spiral bands.**

| SIZE DIA. X LENGTH | PART NUMBER | RPM'S MAX. | QTY |
|--------------------|-------------|------------|-----|
| 1/2 x 1/2          | 815450      | 30,000     | 1   |
| 3/4 x 1            | 815451      | 19,000     | 1   |
| 1 x 1              | 815452      | 18,000     | 1   |

| SIZE DIA. X LENGTH | PART NUMBER | RPM'S MAX. | QTY |
|--------------------|-------------|------------|-----|
| 1 x 1-1/2          | 815453      | 10,000     | 1   |
| 1-1/2 x 1          | 815454      | 14,000     | 1   |
| 2 x 1              | 815455      | 11,000     | 1   |

- Balanced for max. performance.
- Controlled expansion.
- Constructed of 60 durometer live rubber.
- 1/4" shaft diameter.
- Tightening hex nut expands rubber and locks on bands for snug fit.



## 3M ROLOC™ BRAKE ROTOR SURFACING DISCS

**Designed to produce a non-directional scratch pattern as a final step after turning brake rotors.**

- Helps eliminate brake squeal.
- Improves stopping power.
- May be used while brake rotor is on or off of brake lathe.
- Disc pad with 1/4" shank attaches to any 1/4" drill or air tool.
- 120 Fine Grit - best suited for conditioning rotors.
- Regalite sanding disc carbonate mineral lasts longer and produces faster, consistent cuts.



### Starter Kit

Part No. 901410  
Includes 1 backup disc pad and 9 Regalite Roloc Discs

### Disc Refills

Part No. 901411  
Pack of 12 discs

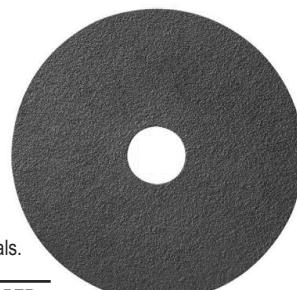
## FIBER DISCS

### Grinding and Blending

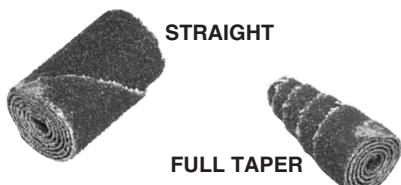
- Aluminum oxide grain.
- General purpose.
- Closed coat structure for more material removal and better finishing.

### METAL

Ferrous and/or non-ferrous metals.



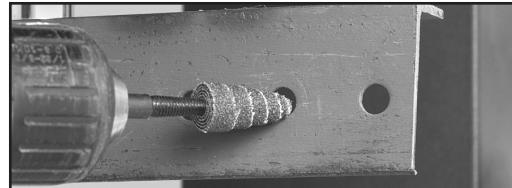
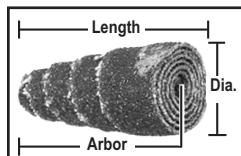
| SIZE        | GRIT | PART NUMBER | PK. PER BOX |
|-------------|------|-------------|-------------|
| 4-1/2 x 7/8 | 36   | 811502      | 25          |
| 7 x 7/8     | 36   | 811504      | 25          |

**COATED ABRASIVES****- STRAIGHT -**

| GRIT | DIA. | OVERALL LENGTH | ARBOR | PART NUMBER | QTY | USE MANDREL NUMBER |
|------|------|----------------|-------|-------------|-----|--------------------|
| 120  | 3/8  | 1-1/2          | 1/8   | 812475      | 25  | 812499             |
| 60   | 3/8  | 1-1/2          | 1/8   | ---         | -   | 812499             |
| 120  | 1/2  | 1              | 1/8   | 812478      | 25  | 812498             |
| 80   | 1/2  | 1              | 1/8   | 812479      | 25  | 812498             |
| 60   | 1/2  | 1              | 1/8   | 812480      | 25  | 812498             |
| 60   | 1/2  | 1-1/2          | 1/8   | 812483      | 25  | 812499             |

**- FULL TAPER -**

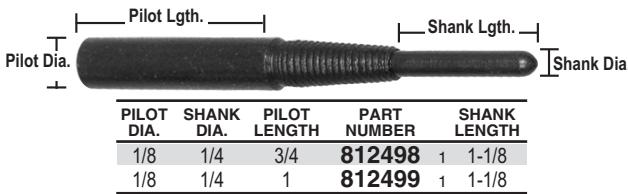
| GRIT | DIA. | OVERALL LENGTH | ARBOR | PART NUMBER | QTY | USE MANDREL NUMBER |
|------|------|----------------|-------|-------------|-----|--------------------|
| 120  | 3/8  | 1              | 1/8   | 812490      | 20  | 812498             |
| 80   | 3/8  | 1              | 1/8   | 812491      | 20  | 812498             |
| 60   | 3/8  | 1              | 1/8   | 812492      | 20  | 812498             |
| 120  | 1/2  | 1-1/2          | 1/8   | 812493      | 20  | 812499             |
| 80   | 1/2  | 1-1/2          | 1/8   | 812494      | 20  | 812499             |
| 60   | 1/2  | 1-1/2          | 1/8   | 812495      | 20  | 812499             |

**CARTRIDGE ROLLS**

Used on portable drills, die grinders, straight shaft and angle grinders.

- Aluminum Oxide resin bond cloth.
- Multi-layer coiled construction.
- Exposes sharp new cutting abrasives as each layer wears.
- 26,000 max. rpm's.
- Superior quality glue - stops loose ends.
- Ideal for hard-to-reach places.

- Ideal for finishing operations.
- Irregular concaves, contours, dead-end holes, channels.
- Deburring, blending tool mark removal.
- Flash removal.

**CARTRIDGE ROLL MANDRELS****TRIM-KUT DISCS**

Edge grinding, weld and brazing surface preparation, remove paint, body filler, rust and corrosion, deburring and polishing.



| PART NUMBER | DIAMETER INCHES | GRIT      | MAX RPM | QTY |
|-------------|-----------------|-----------|---------|-----|
| 812460      | 3               | 36 Coarse | 21,000  | 5   |
| 812461      | 3               | 60 Medium | 21,000  | 5   |

- Self trimming - constant new cutting surface.
- Trim-Kut is designed to run cooler and work faster than any other type of sanding discs.
- Tough aluminum oxide grain is impregnated into durable plastic (polyamide) backing.
- Extremely lightweight for power tools.
- Use all the way to the core.

- Used with high speed pneumatic tools, electric angle grinders, and low speed electric drills.
- Works on wood, metal, fiberglass, glass, stone, plastics, ceramics, non-ferrous metals, and composites.
- Trim down feature eliminates need for smaller disc for hard to reach areas.
- No tooling spin-on and spin-off.

**1/4" Mandrel, used with any 1/4" drill chuck**



Part No.  
812466

**7/16-20 Adapter for pistol grip air tool**



Part No.  
812467

**5/8-11 Adapter**



Part No.  
812468

**PREDATOR SERIES**

Premium Quick Change Ceramic Grinding Discs

Quick-Change Fibre Backed Ceramic Disc for aggressive grinding, stock removal, welds, deburring, rust and corrosion.



PSS061813

- The best performing disc in the quick-change grinding category.
- Self-sharpening, high performance ceramic grain will cut 2Xs faster & last 3Xs longer than general purpose alumunim oxide grain.
- Made with durable heavy-duty vulcanized fibre backing.
- Fibre backed disc provide extended service life vs. conventional cloth backed disc.
- Popular "male" fastening system allows for fast & easy disc engagement.



\*1/4" shaft diameter

| PART NUMBER | GRIT/GRADE | DIA. | DISC HOLDER | MAX RPM | QTY |
|-------------|------------|------|-------------|---------|-----|
| 815250      | 50         | 2"   | 815282*     | 30,000  | 25  |
| 815251      | 36         | 2"   | 815282*     | 30,000  | 25  |
| 815252      | 24         | 2"   | 815282*     | 30,000  | 25  |
| 815253      | 50         | 3"   | 815283*     | 20,000  | 25  |
| 815254      | 36         | 3"   | 815283*     | 20,000  | 25  |
| 815255      | 24         | 3"   | 815283*     | 20,000  | 25  |

**SURFACE PREP & GRINDING DISCS ASSORTMENT  
- FOR STEEL & ALUMINUM -**

Part No. 501789

44 pieces • 11 items • 12051 steel tray

811676 815260 815263 815282  
815250 815261 815270 815283  
815251 815262 815271

Numbers in assortment

# COATED ABRASIVES

## TYPE-R DISC HOLDER PADS

Quick • PREMIUM QUALITY

The unique design & construction of this "air-cooled" holder pad provides unparalleled durability, performance and service life vs. conventional rubber equivalents.

- Perimeter air channels on pad surface suppresses heat generation during use, extending abrasive disc service life.
- Uniform 3-piece composition contributes to a balanced & vibration free use.
- Can be used with all discs having Type R (Rocol) male fasteners.

- Interchangeable mandrels & arbor adapters allow each pad to be quickly converted from use in chucks/colllets (1/4" mandrels) to small angle grinder threaded spindles (5/8-11 adapters).



## TWIST-LOCK MINI GRINDING DISCS

Edge grinding, weld and brazing surface preparation, remove paint, body filler, rust and corrosion, deburring and polishing.

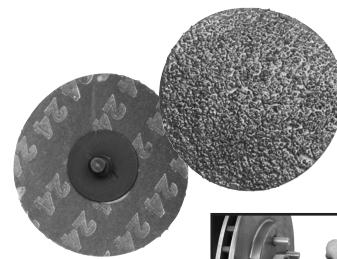
- Environmentally friendly - manufactured with non carcinogenic bonding agents.
- Resin fibre discs outlast and outperforms cloth discs.
- Resist stretching, shedding and grain loss.
- Maintain their flexibility to work in contours.
- Better cutting action, self sharpening, efficient grinding.
- Improved productivity by reducing change over and down time.

- Reduce heat and loading, extend disc life.
- 120 & 100 grit used for brake rotors.
- 36 & 24 grit used to clean up welds.
- Aluminum oxide grain to fibre backed substrates.
- Outperforms, outlasts cloth 2 & 3 ply discs.

| PART NUMBER | QTY | DIA. INCHES | GRIT | MAX RPM | APPLICATION GUIDE   |
|-------------|-----|-------------|------|---------|---|
| 811752*     | 25  | 2           | 120  | 25,000  | General purpose   |
| 811750*     | 25  | 2           | 80   | 25,000  | General purpose   |
| 811685*     | 10  | 2           | 50   | 25,000  | Blending, rust removal  |
| 811686*     | 10  | 2           | 36   | 25,000  | Weld removal, grinding, deburring   |
| 811687*     | 10  | 2           | 24   | 25,000  | Weld removal, grinding, deburring   |
| 811688†     | 10  | 3           | 120  | 20,000  | Smooth sanding/polishing wood, plastics & fiberglass  |
| 811689†     | 10  | 3           | 100  | 20,000  | Deburring/blending ferrous & non-ferrous metals<br>Produces non-directional scratch patterns on surface of brake rotors |
| 811690†     | 10  | 3           | 50   | 20,000  | Blending, rust removal  |
| 811691†     | 10  | 3           | 36   | 20,000  | Weld removal, grinding, deburring   |
| 811692†     | 10  | 3           | 24   | 20,000  | Weld removal, grinding, deburring   |

\*2" use holder no. 811617

†3" use holder no. 811618



ALL SIZES AVAILABLE IN  
A SUPER VALUE PAK

25 per box

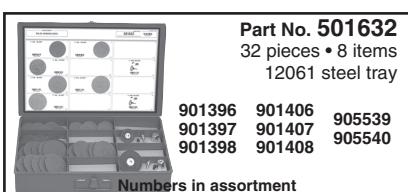
## 3M ROLOC™ GRINDING DISCS

For fast removal of surface imperfections, rust, scale, excess weld material in tight, restricted areas.

- Quick change, threaded fastener mounting system. 1/2 turn on, 1/2 turn off.
- Also works on twist-lock disc holders.

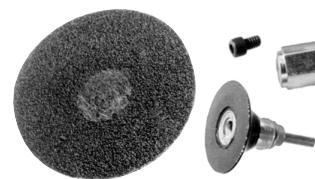
- Use with any 1/4" drill or air tool.
- Available in two sizes with three different grades.

- Discs are color coded:  
on backing plate  
Grade 50 - green, Grade 36 - brown,  
Grade 24 - black



| PART NUMBER | GRIT/GRADE | DIA. | DISC HOLDER | MAX RPM | QTY |
|-------------|------------|------|-------------|---------|-----|
| 901396      | 80         | 2"   | 905539*     | 20,000  | 25  |
| 901397      | 60         | 2"   | 905539*     | 20,000  | 25  |
| 901398      | 40         | 2"   | 905539*     | 20,000  | 25  |
| 901406      | 80         | 3"   | 905540*     | 18,000  | 25  |
| 901407      | 60         | 3"   | 905540*     | 18,000  | 25  |
| 901408      | 40         | 3"   | 905540*     | 18,000  | 25  |

\*1/4" shaft diameter



## MINI DEPRESSED CENTER GRINDING WHEELS - TYPE 27

Aluminum Oxide

PSS112216

Automotive parts manufacturing, sheet metal production, finishing work, weld spot cleaning, ornamental iron work, rough die cast cleaning & detailing, light to heavy stock removal.

• Compact and lightweight:

For easy use in hard to reach work areas.

• Advanced abrasive grain blend:

For smooth grinding.

• Fiberglass reinforced:

For overall safety.

• Designed to last longer:

Than traditional sanding discs and some carbide burs in the market.

Size:  
2-5/16" x 5/32" x 3/8"

RPM:  
20,000

TYPE 27



| PART NUMBER | SIZE                | SPEC. |
|-------------|---------------------|-------|
| 811882      | 2-5/16 x 5/32 x 3/8 | A40   |
| 811883      | 2-5/16 x 5/32 x 3/8 | A60   |
| 811884      | 2-5/16 x 5/32 x 3/8 | A80   |

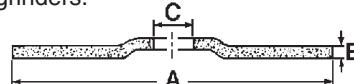
Use with portable grinder

**BONDED ABRASIVES****THOR****TYPE 27 DEPRESSED CENTER GRINDING WHEELS**Made in  
USA

PSSZT010512

**THOR** grinding wheels are formulated to deliver the highest possible productivity and performance, whether it is used for beveling, weld or edge grinding applications.

- Special aluminum oxide grain.
- Externally reinforced with fiberglass layers to provide ultimate safety.
- Fast, burr-free cutting.
- Specifically designed for use on right angle grinders.

**• GRINDING APPLICATIONS •**

These wheels are for general purpose grinding where metal needs to be removed.

| SIZE  |     |     |         | USE   | UNHUBBED PART NUMBER      |        |     | QTY |
|-------|-----|-----|---------|-------|---------------------------|--------|-----|-----|
| "A"   | "B" | "C" | MAX RPM |       | NUMBER                    | QTY    | QTY |     |
| 4     | 1/4 | 5/8 | 15,000  | A24N  | Ferrous Metals, Fast Cut  | 811693 | 25  |     |
| 4-1/2 | 1/4 | 7/8 | 13,300  | A24N  | Ferrous Metals, Fast Cut  | 811694 | 25  |     |
| 4-1/2 | 1/4 | 7/8 | 13,300  | A24R  | Ferrous Metals, Long Life | 811695 | 25  |     |
| 4-1/2 | 1/4 | 7/8 | 13,300  | AL36N | Aluminum, Brass, Copper   | 811696 | 25  |     |
| 5     | 1/4 | 7/8 | 12,200  | A24N  | Ferrous Metals, Fast Cut  | 811711 | 25• |     |
| 5     | 1/4 | 7/8 | 12,200  | A24R  | Ferrous Metals, Long Life | 811697 | 25  |     |
| 7     | 1/4 | 7/8 | 8,500   | A24N  | Ferrous Metals, Fast Cut  | 811713 | 25• |     |
| 7     | 1/4 | 7/8 | 8,500   | AL36N | Aluminum, Brass, Copper   | 811714 | 25• |     |

• NOT SOS LABEL

**• GRINDING/CUTTING APPLICATIONS •**

These wheels are specifically designed to do combination cutting and light grinding within the same application eliminating the need to change wheels or tools. Primarily used in the pipeline industry.

| SIZE  |     |     |         | USE  | PART NUMBER               |        |     | QTY |
|-------|-----|-----|---------|------|---------------------------|--------|-----|-----|
| "A"   | "B" | "C" | MAX RPM |      | NUMBER                    | QTY    | QTY |     |
| 4-1/2 | 1/8 | 7/8 | 13,300  | A30R | Ferrous Metals, Long Life | 811717 | 25• |     |
| 6     | 1/8 | 7/8 | 10,200  | A30R | Ferrous Metals, Long Life | 811718 | 25• |     |

• NOT SOS LABEL

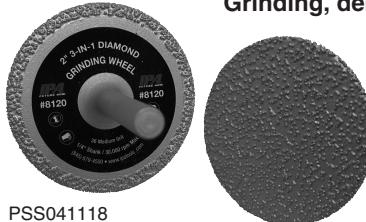
**5/8-11 REUSEABLE ADAPTER**

For Right Angle Grinders  
Fits both Type 27 & 1 Wheels with 7/8" Hole.

Part No. 822000

**DIAMOND CUT-OFF/GRINDING WHEELS**

Grinding, deburring, surface prep and cutting.



PSS041118

- Lasts 20X's longer than regular grinding wheels.
- Cuts faster.
- Low odor & debris.
- Allows access in hard-to-reach areas.

| PART NUMBER | DIA. (INCHES) | GRIT | ARBOR         | MAX RPM |
|-------------|---------------|------|---------------|---------|
| 815005      | 2"            | 36   | 1/4" attached | 30000   |

**DIAMOND TYPE 27/29 DEPRESSED CENTER GRINDING WHEELS**

Unique technology that allows a high concentration of diamonds to be solidly bonded to a steel surface for grinding metal.



| PART NUMBER | DIA. (INCHES) | GRIT  | ARBOR       | MAX RPM |
|-------------|---------------|-------|-------------|---------|
| 815006      | 3"            | 36    | 1/4 Hub*    | 30000   |
| 815002      | 4-1/2"        | 24    | 5/8-11 Hub* | 13300   |
| 815004      | 4-1/2"        | 36    | 5/8-11 Hub* | 14000   |
| 815012      | 4-1/2"        | 40/50 | 5/8-11 Hub* | 13300   |

\* Removable hub for 7/8" arbor

**LONG LASTING - HIGH PERFORMANCE**

- Diamonds, the hardest natural material gets the job done quickly and efficiently.
- Outperforms Others – last 50-60 times longer than standard grinding wheels.
- Cost Efficient, fewer purchases over time.
- Less Down Time – no need to have the operator changing wheels.
- Promotes longer tool life – no abrasive debris and minimum dust.
- Super Safe – eliminates breakage, cracking and failure.
- Reduced Vibration, sparks and odors.
- Not Effected by exposure to water.
- Use On high and low carbon steel, ductile iron, rail track, cast iron, alloys, stainless steel, pipeline application and foundry castings.

\* Additional sizes are available on a special order basis. Call for information.

PSS071917, PSS041118

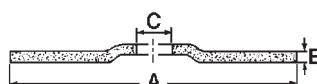
# BONDED ABRASIVES

## SAIT TYPE 27 DEPRESSED CENTER GRINDING WHEELS

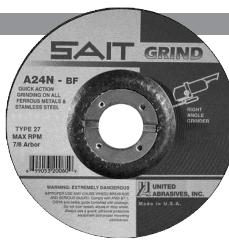
PSS090119

- Type 27 shape can be used on all right angle grinders in accordance with ANSI B7.1.
- Special Aluminum Oxide formulation offers the fastest cutting, longest lasting thin wheels.

| GRIT      | DESCRIPTION                                   |
|-----------|---|
| A24R      | General purpose long life                     |
| A24N      | Soft bond for fast stock removal              |
| A46N      | Soft bond for fast stock removal for aluminum |
| A24T      | Designed for edge, bevel grinding             |
| A60S      | General Purpose                               |
| PIPELINE  | Designed for light grinding, cutting          |
| ZIRCONIUM | Designed for light grinding, cutting          |



- Fast, burr-free cutting.
- Externally reinforced with fiberglass layers to provide ultimate safety.
- Can be mounted to right angle grinders with standard Type 27 flanges.



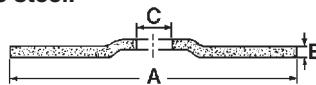
| SIZE<br>"A"<br>DIA.<br>"B"<br>WIDTH<br>"C"<br>BORE | MAX<br>RPM | GRAIN/<br>GRIT<br>PART<br>NUMBER | UNHUBBED<br>PART<br>NUMBER | QTY                   |
|--|------------|----------------------------------|----------------------------|-----------------------|
| 4  | 1/4        | 5/8                              | 13,500                     | A24N <b>820015</b> 5  |
| 4  | 1/4        | 5/8                              | 13,500                     | A46N <b>820018</b> 5  |
| 4-1/2  | 1/8        | 7/8                              | 13,300                     | ZIRC <b>822620</b> 5  |
| 4-1/2  | 1/8        | 7/8                              | 13,300                     | A24R <b>822030</b> 5  |
| 4-1/2  | 1/4        | 7/8                              | 13,300                     | A24R <b>820063</b> 10 |
| 4-1/2  | 1/4        | 7/8                              | 13,300                     | A24N <b>820060</b> 5  |
| 4-1/2  | 1/4        | 7/8                              | 13,300                     | A46N <b>820062</b> 5  |
| 5  | 1/4        | 7/8                              | 12,200                     | A24N <b>820070</b> 5  |
| 5  | 1/4        | 7/8                              | 12,200                     | A24T <b>820075</b> 5  |
| 5  | 1/4        | 7/8                              | 12,200                     | A46N <b>820072</b> 5  |
| 5  | .090       | 7/8                              | 12,200                     | A60S <b>820904</b> 5  |
| 6  | 1/8        | 7/8                              | 10,200                     | PIPE <b>822042</b> 5  |
| 7  | 1/4        | 7/8                              | 8,500                      | A46N <b>820083</b> 5  |

## SAIT TYPE 27 DEPRESSED CENTER GRINDING WHEELS - THIN .045 TK.

PSS090119

Used on iron, steel and stainless steel.

- Unique thin Type 27 shape can be used on all right angle grinders in accordance with ANSI B7.1.
- Thinner design outlasts standard wheels.
- Special Aluminum Oxide formulation offers the fastest cutting, longest lasting thin wheels.
- Externally reinforced with fiberglass layers to provide ultimate safety in a thin wheel.
- Special aluminum oxide grain.
- Hard bond for extremely long life.
- Fast, burr-free cutting.
- Can be mounted to right angle grinders with standard Type 27 flanges.



| SIZE<br>"A"<br>DIA.<br>"B"<br>WIDTH<br>"C"<br>BORE | MAX<br>RPM | GRAIN/<br>GRIT<br>PART<br>NUMBER | PART<br>NUMBER | QTY                  |
|--|------------|----------------------------------|----------------|----------------------|
| 4  | .045       | 5/8                              | 19,000         | A60S <b>822011</b> 2 |
| 4-1/2  | .045       | 7/8                              | 13,300         | A60S <b>822021</b> 2 |
| 5  | .045       | 7/8                              | 12,200         | A60S <b>822071</b> 2 |
| 6  | .045       | 7/8                              | 10,200         | A60S <b>822047</b> 2 |
| 4-1/2  | .045       | 7/8                              | 13,300         | SS <b>822072</b> 5   |
| 4-1/2  | .045       | 7/8                              | 13,300         | A46N <b>822345</b> 5 |
| 6  | .045       | 7/8                              | 10,200         | A60S <b>822082</b> 5 |
| 7  | .045       | 7/8                              | 8,500          | A60S <b>822053</b> 5 |



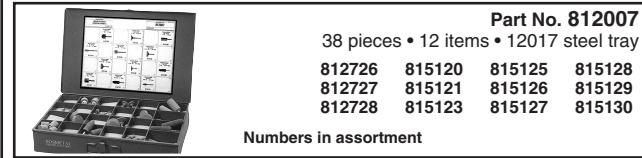
| GRIT | DESCRIPTION                   |
|------|-------------------------------|
| A60S | General purpose               |
| A46N | Aluminum & non-ferrous metals |
| SS   | For stainless steel           |

## HEAVY DUTY MOUNTED GRINDING WHEELS

- Popular for weld grinding of ferrous & non-ferrous material.
- 1/4" shaft fits most portable tools.
- Made from Aluminum Oxide abrasive in a vitrified bond.



| PART<br>NUMBER | ABRASIVE<br>SHAPE<br>NO. | DIA.<br>(INCHES) | THICKNESS<br>(INCHES) | MANDREL<br>SIZE<br>DIA.<br>(INCHES) | LENGTH<br>(INCHES) |
|----------------|--------------------------|------------------|-----------------------|-------------------------------------|--------------------|
| 812725         | A-1                      | 3/4              | 2-1/2                 | 1/4                                 | 1-1/2              |
| 812726         | A-3                      | 1                | 2-3/4                 | 1/4                                 | 1-1/2              |
| 812729         | A-5                      | 3/4              | 1-1/8                 | 1/4                                 | 1-1/2              |
| 812727         | A-11                     | 7/8              | 2                     | 1/4                                 | 1-1/2              |
| 812738         | A-15                     | 1/4              | 1-1/16                | 1/4                                 | 1-1/2              |
| 812728         | A-21                     | 1                | 1                     | 1/4                                 | 1-1/2              |
| 815120         | A-36                     | 1-5/8            | 3/8                   | 1/4                                 | 1-1/2              |
| 812739         | A-39                     | 3/4              | 3/4                   | 1/4                                 | 1-1/2              |
| 815121         | B-52                     | 3/8              | 3/4                   | 1/8                                 | 1-1/2              |
| 815123         | W-163                    | 1/4              | 1/2                   | 1/8                                 | 1-1/2              |
| 815125         | W-185                    | 1/2              | 1/2                   | 1/8                                 | 1-1/2              |
| 815126         | W-215                    | 1                | 1/8                   | 1/8                                 | 1-1/2              |
| 815127         | W-220                    | 1                | 1                     | 1/4                                 | 1-1/2              |
| 815128         | W-222                    | 1                | 2                     | 1/4                                 | 1-1/2              |
| 815129         | W-235                    | 1-1/2            | 1/4                   | 1/4                                 | 1-1/2              |
| 815130         | W-236                    | 1-1/2            | 1/2                   | 1/4                                 | 1-1/2              |



Part No. 812007  
38 pieces • 12 items • 12017 steel tray  
812726 815120 815125 815128  
812727 815121 815126 815129  
812728 815123 815127 815130

Numbers in assortment

**BONDED ABRASIVES****HEAVY DUTY GRINDING WHEELS**

| FINE GRIT | MEDIUM GRIT | COARSE GRIT | DIA METER & WIDTH (INCHES) | MAX RPM |
|-----------|-------------|-------------|----------------------------|---------|
| 812181    | 812182      | 812183      | 6 x 3/4                    | 4138    |
|           | 812311      | 812312      | 6 x 1                      | 4138    |
|           | 812314      | 812315      | 7 x 1                      | 3600    |
|           | 812317      | 812318      | 8 x 1                      | 3600    |

\*10" wheels have 1-1/4" arbor & comes with 3/4" - 1" reduction bushings.

Engineered for rapid cutting and long life.

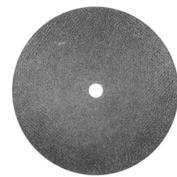
**For Use On All Stationary Grinders**

Do not use grinding wheels that have been dropped, chipped or cracked. 6, 7 & 8 wheels come complete with telescopic bushing for 1/2", 5/8", 3/4" & 1" shafts.

**GRINDING WHEEL DRESSER****SOLID and DURABLE CONSTRUCTION**

Part No. 811665

Rpl. Wheel Order Part No. 811666

**MASONRY CUT OFF WHEELS****SILICONE CARBIDE**

| PART NUMBER | DIA (INCHES) | THICK (INCHES) | MAX SAFE RPM | HOLE SIZE (INCHES) |
|-------------|--------------|----------------|--------------|--------------------|
| 815108      | 12           | 1/8            | 5,100        | 1                  |
| 815109      | 14           | 1/8            | 4,400        | 1                  |

**LENOX® METAL MAX DIAMOND™ - TYPE 1 CUT-OFF WHEELS**

LENOX® METAL MAX™ is a new alternative to abrasive cut-off wheels. Its breakthrough diamond technology delivers extreme durability to help you maximize work efficiencies and reduce costs.

**1000+ CUTS - 30X LONGER WHEEL LIFE**

- **Diameter Retention** - because LENOX METALMAX is made with diamonds, it doesn't get smaller. The cutting depth stays the same throughout its life, meaning better control, reach and precision.
- **Safety** - METALMAX is made with a solid steel body that is stronger to greatly reduce the risk of breakage.
- **Less Dust Residue** - with LENOX METALMAX there is less odor and dust residue as the wheel does not wear down like bonded abrasives. Visible sparks originate only from the material being cut.
- **One Wheel, Multiple Materials** - LENOX METALMAX is recommended for multiple types of metal including steel, sheet metal, stainless steel, rebar, cast iron, aluminum and non-ferrous metals.

**PRODUCT DIMENSIONS**

| PART NUMBER | DIA. (INCHES) | THICKNESS (INCHES) | ADJUSTMENTS (INCHES) | OPTIONAL ARBOR (INCHES) | POWER TOOL TYPE            | RPM MAX |
|-------------|---------------|--------------------|----------------------|-------------------------|----------------------------|---------|
| 815015      | 1.5"          | .050"              | 3/8"                 | --                      | Die Grinder                | 40200   |
| 815016      | 2"            | .050"              | 3/8"                 | --                      | Die Grinder                | 30500   |
| 815017      | 3"            | .050"              | 3/8"                 | --                      | Die Grinder                | 20300   |
| 815018      | 4"            | .050"              | 3/8"                 | --                      | Die Grinder                | 15200   |
| 815019      | 4"            | .050"              | 5/8"                 | --                      | Angle Grinder              | 15200   |
| 815020      | 4.5"          | .050"              | 7/8"                 | --                      | Angle Grinder              | 13300   |
| 815021      | 5"            | .050"              | 7/8"                 | --                      | Angle Grinder              | 12200   |
| 815022      | 6"            | .050"              | 7/8"                 | Diamond Knock Out       | Angle Grinder/Circular Saw | 10100   |
| 815023      | 7"            | .060"              | 7/8"                 | Diamond Knock Out       | Angle Grinder/Circular Saw | 8400    |
| 815024      | 8"            | .060"              | 5/8"                 | Diamond Knock Out       | Circular Saw               | 7600    |
| 815025      | 10"           | .100"              | 5/8"                 | --                      | Stationary/Small Chop Saw  | 5900    |
| 815026      | 12"           | .130"              | 1"                   | --                      | Chop Saw                   | 5000    |
| 815027      | 14"           | .130"              | 1"                   | --                      | Chop Saw                   | 4300    |
| 815028      | 12"           | .150"              | 1"                   | --                      | Gas Saw                    | 6200    |
| 815029      | 14"           | .150"              | 1"                   | --                      | Gas Saw                    | 5300    |



When cutting aluminum, it is recommended to use LENOX LUBE TUBE, Part No. 211512 to avoid chip welding.

**3M GREEN CORPS™ CUT-OFF WHEELS**

Used to cut auto body sheet metal, frame rails, exhaust work, clamps, rusted bolts, fiberglass and stainless steel.



- High performance, long life.
- For all utility type cut-off tools.
- Do not use without guards.
- 3M ceramic material lasts up to 8 times longer than aluminum oxide cutting wheels.

| PART NUMBER | SIZE              |
|-------------|-------------------|
| 901989      | 3" x 1/32" x 3/8" |



# BONDED ABRASIVES



## TYPE 1 CUTTING WHEELS

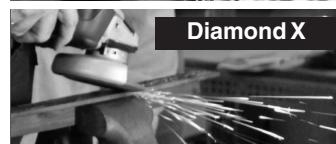
**DIAMONDX** uses a unique technology that allows a high concentration of diamonds to be solidly bonded to a steel surface for cutting metal.

### LONG LASTING - HIGH PERFORMANCE

- Longer Lasting, than other abrasives. Last up to 100X's longer depending on the application.
- Cut Virtually Any Material, wood, steel, copper pipe, pvc, brick, concrete, metal and square tube, stainless steel, cast iron and more.
- Safely De-Burr Flashing from cuts using the blade edge. (unlike abrasives that can be dangerously damaged by this procedure).
- Cost Savings – from abrasive wheel change-overs alone can offset the cost of one **DIAMONDX** cutter.
- Will Not Break Or Shatter if dropped or if exposed to water.

| PART NUMBER | DIA. (INCHES) | GRIT  | ARBOR     | MAX RPM |
|-------------|---------------|-------|-----------|---------|
| 815038      | 2"            | 40/50 | 3/8"-1/4" | 30,560  |
| 815039      | 3"            | 40/50 | 3/8"-1/4" | 25,000  |
| 815041      | 4"            | 40/50 | 5/8"-3/8" | 19,000  |
| 815042      | 4-1/2"        | 40/50 | 7/8"      | 13,600  |
| 815043      | 5"            | 40/50 | 7/8"      | 12,225  |
| 815044      | 6"            | 40/50 | 7/8"      | 10,225  |

PSS091813



\* Additional sizes are available on a special order basis. Call for information.

## SAIT TYPE 1 HIGH SPEED CUT-OFF WHEELS

### Used on iron, steel and stainless steel.

- Thinner design outlasts standard wheels.
- Type 1 shape for square, burr-free cutting.
- Special Aluminum Oxide formulation offers the fastest cutting, longest lasting thin wheels.
- Externally reinforced with fiberglass layers to provide ultimate safety in a thin wheel.
- Wide range of sizes available to fit both right angle grinders and circular saws.

- Thin .045 width.
- Use with reusable 5/8-11 adaptor to fit right angle grinders.
- Extremely fast cutting with long life.

### 5/8-11 REUSEABLE ADAPTER



For Right Angle Grinders  
Fits both Type 27 & 1 Wheels  
with 7/8" Hole.  
Part No. 822000

| SIZE  |      | "A" | "B" | "C" | MAX RPM | GRAIN/ GRIT | PART NUMBER | QTY |
|-------|------|-----|-----|-----|---------|-------------|-------------|-----|
| 4     | .045 | 5/8 |     |     | 19,000  | A60S        | 823099      | 2   |
| 4-1/2 | .045 | 7/8 |     |     | 13,300  | A60S        | 823101      | 2   |
| 5     | .045 | 7/8 |     |     | 12,200  | A60S        | 823103      | 2   |
| 6     | .045 | 5/8 |     |     | 10,200  | A60S        | 823105      | 2   |
| 6     | .045 | 7/8 |     |     | 10,200  | A60S        | 823106      | 2   |

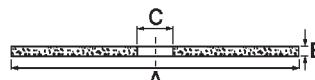


| GRIT | DESCRIPTION     |
|------|-----------------|
| A60S | General purpose |

## SAIT TYPE 1 ALUMINUM OXIDE METAL CUT-OFF WHEELS

Cuts hardened steel quickly & easily.

- Fast cutting.
- Long lasting.
- Reinforced with fiberglass.
- Prevent toughening and scratching.
- These blades are used on portable electric saw & cut-off machines.
- The fiberglass reinforcement helps to provide longer lasting blades that maintain a high level of cutting efficiency.



| SIZE |      | "A"  | "B" | "C" | MAX RPM | GRAIN/ GRIT | PART NUMBER | QTY |
|------|------|------|-----|-----|---------|-------------|-------------|-----|
| 3    | .035 | 3/8  |     |     | 25,000  | A36T        | 823050      | 25  |
| 3    | 1/16 | 3/8  |     |     | 25,000  | A36T        | 823040      | 10  |
| 4    | .035 | 3/8  |     |     | 19,000  | A36T        | 823069      | 10  |
| 4    | 1/16 | 3/8  |     |     | 19,000  | A36T        | 823065      | 10  |
| 12   | 1/8  | 20mm |     |     | 6,300   | A24R        | 823420      | 10  |
| 12   | 1/8  | 1    |     |     | 6,300   | A24R        | 823410      | 5   |
| 14   | 1/8  | 1    |     |     | 5,400   | A24R        | 823450      | 5   |
| 14   | 3/32 | 1    |     |     | 4,400   | SK          | 824050      | 5   |
| 14   | 3/32 | 1    |     |     | 4,400   | IW          | 824051      | 5   |
| 14   | 1/8  | 20mm |     |     | 5,460   | A24R        | 823455      | 10  |



| GRIT | DESCRIPTION   |
|------|---|
| A36T | For fast cutting  |
| A24R | General purpose cutting   |
| SK   | General purpose cool cutting on thin metals   |
| IW   | Excellent for use on angle iron, channel iron, heavy rebar, and other ferrous metals. |

**BONDED ABRASIVES****CUT-OFF WHEELS**

**ZEUS** cut-off wheels are designed to cut faster, cooler and freer requiring less power. Designed to be flexible under stressful and binding applications, these wheels are ideal for maintenance departments, welding shops, automotive shops and metal fabrication.

- Special aluminum oxide grain.
- Externally reinforced with fiberglass layers to provide ultimate safety.
- Fast, burr-free cutting.
- Specifically designed for use on right angle grinders.

REINFORCED CENTER on 4" diameter & larger only

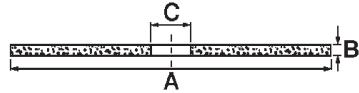
Made in USA

PSSZT010512

*Unsurpassed in quality and performance these wheels are made from Premium Ceramic and Zirconia Grain Mix and are contaminant INOX Free.*

| SIZE |      | MAX RPM | GRAIN/GRIT | USE                               | PART NUMBER | QTY |
|------|------|---------|------------|-----------------------------------|-------------|-----|
| "A"  | "B"  |         |            |                                   |             |     |
| 3    | .035 | 3/8     | 25,450     | SGA60U S/S & Alloys, Fast Cutting | 811670      | 50  |
| 3    | 1/16 | 3/8     | 25,450     | SGA46U S/S & Alloys, Long Lasting | 811671      | 50  |

S/S= Stainless Steel



### TYPE 1 Wheels for ELECTRIC and AIR GRINDERS

**Small diameter cut-off wheels are designed to perform on a variety of metal applications.**

*When dependability and flexibility are a must, these fast, clean straight cutting and long lasting wheels are tops in the industry.*

| SIZE |      | MAX RPM | GRAIN/GRIT | USE                        | PART NUMBER | QTY |
|------|------|---------|------------|----------------------------|-------------|-----|
| "A"  | "B"  |         |            |                            |             |     |
| 3    | 1/16 | 3/8     | 25,450     | A46T Ferrous Metals        | 811720      | 10* |
| 3    | 1/8  | 3/8     | 25,000     | A36T Ferrous Metals        | 812435      | 1*  |
| 3    | .035 | 3/8     | 25,450     | TA60T Ferrous Metals & S/S | 811721      | 50  |
| 3    | 1/16 | 3/8     | 25,450     | TA46T Ferrous Metals & S/S | 811682      | 50  |
| 4    | .035 | 3/8     | 19,000     | TA60T Ferrous Metals & S/S | 811672      | 50  |
| 4    | 1/16 | 3/8     | 19,000     | TA46T Ferrous Metals & S/S | 811673      | 50  |

S/S= Stainless Steel      • NOT SOS LABEL

### TYPE 1 WHEELS for PORTABLE CHOP SAWS

The following high performance cut-off wheels have been developed for low horsepower chop saws to perform on a wide variety of metals and tough job applications. All wheels are externally reinforced for increased safety and unsurpassed performance.

| SIZE |      | MAX RPM | GRAIN/GRIT | USE                               | PART NUMBER | QTY |
|------|------|---------|------------|-----------------------------------|-------------|-----|
| "A"  | "B"  |         |            |                                   |             |     |
| 14   | 3/32 | 1       | 4,366      | A46T Metal Studding & Thin Rebar  | 811801      | 10* |
| 14   | 3/32 | 1       | 4,366      | A36R Ferrous Metals & Heavy Rebar | 811674      | 10  |

S/S= Stainless Steel      • NOT SOS LABEL

### TYPE 1 WHEELS for ANGLE GRINDERS and CIRCULAR SAWS

These wheels provide effortless cutting and deliver the most cost efficient cutting solutions.

| SIZE  |      | MAX RPM | GRAIN/GRIT | USE                        | PART NUMBER | QTY |
|-------|------|---------|------------|----------------------------|-------------|-----|
| "A"   | "B"  |         |            |                            |             |     |
| 4     | .040 | 5/8     | 15,000     | TA60T Ferrous Metals & S/S | 811662      | 25  |
| 4-1/2 | .045 | 7/8     | 13,300     | TA60U Ferrous Metals & S/S | 811667      | 25  |
| 5     | .045 | 7/8     | 12,200     | TA60U Ferrous Metals & S/S | 811668      | 25  |
| 6     | .045 | 7/8     | 10,200     | TA60U Ferrous Metals & S/S | 811669      | 25  |

S/S= Stainless Steel

### WHEEL MANDREL

- Use to mount cut off, grinding wheels, wire brushes and more.
- Screw slotted head, fits 3/8" arbor hole.



| PART NUMBER | MAX WHEEL SHANK THICK | HEAD DIA. | OVERALL LENGTH |
|-------------|-----------------------|-----------|----------------|
|             | (INCHES)              | (INCHES)  | (INCHES)       |
| 822001      | 1/4                   | 1/4       | 3/4 2          |

### 5/8-11 REUSEABLE ADAPTER



For Right Angle Grinders  
Fits both Type 27 & 1 Wheels  
with 7/8" Hole.

Part No. 822000

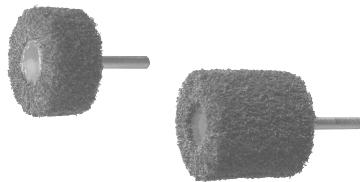
# NON-WOVEN ABRASIVES

## 100% NON-WOVEN FLAP WHEELS

**Used for metal finishing, oxidation and coating removal, decorative finishes on different metals, deburring.**

- Constructed of non-woven fiber with abrasive grain.
- Waterproof - may be used with lubricants.
- Resists loading and over-cutting.
- Material breaks down evenly providing consistent finishes.
- Ideal for operations where critical tolerances may not be disturbed.
- Mounted on 1/4" mandrel.
- Used on straight die grinder.

| PART NUMBER | GRIT       | SIZE  | MAX RPM | PART NUMBER | GRIT   | SIZE  | MAX RPM |
|-------------|------------|-------|---------|-------------|--------|-------|---------|
| 815385      | Extra Fine | 2 x 1 | 12,000  | 815391      | Medium | 2 x 2 | 12,000  |
| 815386      | Fine       | 2 x 1 | 12,000  | 815395      | Medium | 3 x 2 | 7,500   |
| 815387      | Medium     | 2 x 1 | 12,000  | 815396      | Coarse | 3 x 2 | 7,500   |

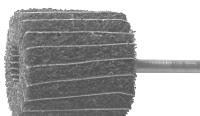


## INTERLEAF FLAP WHEELS

**Used for metal finishing, oxidation and coating removal, decorative finishes on different metals, deburring and grain finishing.**

- Alternating flaps of non-woven fiber and aluminum oxide coated abrasive arranged radially.
- Less conformable than woven flap wheels.
- Removes more stock.
- Breaks down evenly providing consistent finishes.
- Provides blending action while leaving final finish.
- Mounted on 1/4" mandrel.
- Used on small straight die grinder.

| PART NUMBER | GRIT           | SIZE  | MAX RPM | PART NUMBER | GRIT       | SIZE  | MAX RPM |
|-------------|----------------|-------|---------|-------------|------------|-------|---------|
| 815400      | 60 Coarse      | 2 x 1 | 12,000  | 815406      | 180 Fine   | 2 x 2 | 12,000  |
| 815401      | 120 Medium     | 2 x 1 | 12,000  | 815408      | 60 Coarse  | 3 x 2 | 7,500   |
| 815403      | 240 Extra Fine | 2 x 1 | 12,000  | 815409      | 120 Medium | 3 x 2 | 7,500   |
| 815404      | 60 Coarse      | 2 x 2 | 12,000  | 815410      | 180 Fine   | 3 x 2 | 7,500   |
| 815405      | 120 Medium     | 2 x 2 | 12,000  |             |            |       |         |



## 3M CLEAN 'N STRIP DISCS

**For deburring, removing paint, rust or scale, conditioning metal, for cleaning pinchwelds, weatherstrip channels and drip moldings, for removing paint from "dings" and "chips".**

- Use on side for fast surface cleaning instead of wire brushes or sandpaper.
- Tough, abrasive impregnated material resists gouging, conforms to contours.
- 1/4" diameter mandrel shaft fits all 1/4" or 3/8" electric or air tool (for use under 6,000 r.p.m.). 2" overall mandrel length.

| PART NUMBER | DESCRIPTION   | QTY |
|-------------|---------------|-----|
| 907460      | 4" dia. disc* | 3   |

\*Discs and Mandrels sold separately.



## SURFACE PREP DISCS WITH AN EDGE

**Easy blending of irregular shapes, corners and inside radius.**

- Reaches into corners and curves.
- Interchanges with Roloc style.
- Eliminates added finishing steps by hand.
- Provides a consistent finish on both flat and irregular surfaces.

| PART NUMBER    | DIA.      | GRAIN          | GRADE     | COLOR         | MAX RPM                   | QTY |
|----------------|-----------|----------------|-----------|---------------|---------------------------|-----|
| 811371         | 2         | Aluminum oxide | Coarse    | Brown         | 18,000                    | 10  |
| 811372         | 2         | Aluminum oxide | Medium    | Maroon        | 18,000                    | 10  |
| 811373         | 2         | Aluminum oxide | Very Fine | Blue          | 18,000                    | 10  |
| 811471         | 3         | Aluminum oxide | Coarse    | Brown         | 12,000                    | 5   |
| 811472         | 3         | Aluminum oxide | Medium    | Maroon        | 12,000                    | 5   |
| 811473         | 3         | Aluminum oxide | Very Fine | Blue          | 12,000                    | 5   |
| <b>Holders</b> | <b>2"</b> | <b>811357</b>  | <b>3"</b> | <b>811360</b> | Holders (have 1/4" shank) |     |



NOTE: Must Be  
Used With Special  
Disc Holder

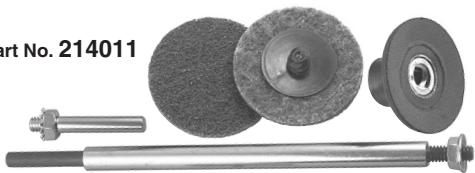


## GASKET CLEANER

**Cleans all hard to reach gasket surfaces.**

Use with a die grinder to quickly clean gasket surfaces on Dodge pickups, oil pans, water pumps and other inaccessible applications. The tool is equipped with a floating guide shaft so the user can steer the abrasive pad around the gasket surface. Replaceable abrasive pad works in seconds.

Part No. 214011



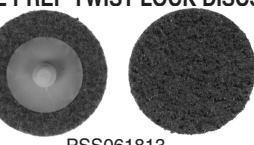
# NON-WOVEN ABRASIVES

## SURFACE PREPARATION DISCS

Surface Preparation Discs are ideally suited for pre-paint finishing, removing rust, oxidation, and flashings and removing gasket residue from engine blocks, heads, valve covers and transmission housings.

### ERADICATOR SERIES

#### PREMIUM CERAMIC COATED SURFACE PREP TWIST LOCK DISCS



PSS061813

- Premium grade made with ceramic-coated grain to provide added durability, cut rate and extended service life vs. standard (economy) grade.
- Cushioned-type construction provides excellent conformability, consistent cut rate and uniform finish.
- Made with a flexible matrix of woven nylon filaments with abrasive particles of grain.
- Reinforced scrim backing incapable of tearing, even when snagged.
- Excellent for non-stock removal applications such as cleaning, blending and finishing.
- Effectively used on most every type of material.
- Popular "male" fastening system allows for fast & easy disc engagement.

#### - STEEL PARTS -

| PART NUMBER | DIA. (INCHES) | GRIT/COLOR    | DISC HOLDER | MAXIMUM RPM | QTY |
|-------------|---------------|---------------|-------------|-------------|-----|
| 815260      | 2             | medium/maroon | 815282*     | 30,000      | 25  |
| 815261      | 2             | coarse/brown  | 815282*     | 30,000      | 25  |
| 815262      | 3             | medium/maroon | 815283*     | 20,000      | 25  |
| 815263      | 3             | coarse/brown  | 815283*     | 20,000      | 25  |

\*1/4" shaft diameter

Disc Holder - Sold 1 Per Box

#### - ALUMINUM PARTS -

| PART NUMBER | DIA. (INCHES) | GRIT/COLOR  | DISC HOLDER | MAXIMUM RPM | QTY |
|-------------|---------------|-------------|-------------|-------------|-----|
| 815270      | 2             | (SFN)/gray  | 815282*     | 30,000      | 25  |
| 815271      | 2             | (VFN)/blue  | 815282*     | 30,000      | 25  |
| 815272      | 3             | fine/gray   | 815283*     | 20,000      | 25  |
| 815273      | 3             | medium/blue | 815283*     | 20,000      | 25  |

(SFN) Super Ultra Fine

(VFN) Very Fine

Disc Holder - Sold 1 Per Box

### TYPE-R DISC HOLDER PADS

#### QUICK CHANGE • PREMIUM QUALITY

The unique design & construction of this "air-cooled" holder pad provides unparalleled durability, performance & service life vs. conventional rubber equivalents.

- Perimeter air channels on pad surface suppresses heat generation during use, extending abrasive disc service life.
- Uniform 3-piece composition contributes to a balanced & vibration free use.
- Interchangeable mandrels & arbor adapters allow each pad to be quickly converted from use in chucks/collars (1/4" mandrels) to small angle grinder threaded spindles (5/8-11 adapters).
- Can be used with all discs having Type R (Roloc) male fasteners.



2"  
Part No.  
815282

3"  
Part No.  
815283

### SURFACE PREP & GRINDING DISCS ASSORTMENT

#### - FOR STEEL & ALUMINUM -

Part No. 501789

44 pieces • 11 items • 12051 steel tray

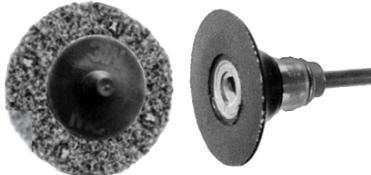
|        |        |        |        |
|--------|--------|--------|--------|
| 811676 | 815260 | 815263 | 815282 |
| 815250 | 815261 | 815270 | 815283 |
| 815251 | 815262 | 815271 |        |

Numbers in assortment



## TWIST-LOCK

#### THREADED FASTENER ATTACHMENT SYSTEM



Best for sharp contours, angles and edges. Discs have hard nylon threaded fasteners anchored in nylon web.

Twist-Locks  
interchange with  
3M Roloc™ discs.

#### APPLICATIONS

- Remove gasket residue from: engine blocks, heads, valve covers and transmission housings.
- Pre-paint finishing of automotive metals.
- Remove or blend out parting lines.
- Remove rust, corrosion, oxidation & flashing.
- Blend-out coated abrasive scratches.
- Surface polishing and refinement.
- Impart a satin finish on extruded aluminum.

#### FEATURES / BENEFITS

- Thick layer of Aluminum Oxide Grain bonded to one side of a tough, reinforced, non-woven nylon web backing.
- Resists loading and high heat build-up.
- Produces uniform finish.
- Longer period of use.
- Time saver.
- Quick 1/2 turn on 1/2 turn off.

#### - STEEL PARTS TWIST-LOCK TEST KITS -

Part No. 811655

(3) - 2" med. discs  
(3) - 2" coarse discs  
(1) disc holder

Part No. 811656

(3) - 3" med. discs  
(3) - 3" coarse discs  
(1) disc holder

#### - STEEL PARTS -

| PART NUMBER | 3M NUMBER | DIA. (INCHES) | GRIT/COLOR    | DISC HOLDER | MAXIMUM RPM | QTY |
|-------------|-----------|---------------|---------------|-------------|-------------|-----|
| 811644†     | 907481    | 2             | medium/maroon | 811617*     | 20,000      | 25  |
| 811645†     | 907480    | 2             | coarse/brown  | 811617*     | 20,000      | 25  |
| 811646      | 907486    | 3             | medium/maroon | 811618*     | 18,000      | 25  |
| 811647      | 907485    | 3             | coarse/brown  | 811618*     | 18,000      | 25  |

\*1/4" shaft diameter

†Top sellers

Disc Holder - Sold 1 Per Box

#### - ALUMINUM PARTS -

| 3M NUMBER | DIA. (INCHES) | GRIT/COLOR        | DISC HOLDER | QTY |
|-----------|---------------|-------------------|-------------|-----|
| 907516    | 2             | fine (SFN) gray   | 811617      | 25  |
| 907515    | 2             | medium (VFN) blue | 811617      | 25  |
| 907514    | 3             | fine (SFN) gray   | 811618      | 25  |
| 907513    | 3             | medium (VFN) blue | 811618      | 25  |

(SFN) Super Fine

(VFN) Very Fine

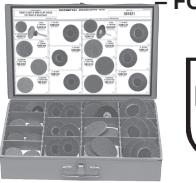
Disc Holder - Sold 1 Per Box

### TWIST-LOCK & MINI FLAP DISCS ASSORTMENT

#### - FOR STEEL & ALUMINUM -

Part No. 501821

30 pieces • 16 items • 12051 steel tray



|        |        |        |        |
|--------|--------|--------|--------|
| 811617 | 811646 | 815306 | 907513 |
| 811618 | 811647 | 815308 | 907514 |
| 811644 | 815304 | 815309 | 907515 |
| 811645 | 815305 | 816310 | 907516 |

Numbers in assortment

# NON-WOVEN ABRASIVES

## STRIPPING DISCS

The open web-like structure of this heavy duty non-woven material offers a unique combination of an aggressive cleaning action and a refined finish. The red material has a tight web construction and is more rigid, has a faster rate-of-cut and is more resistant to wear when introduced to sharp angles and edges, giving it a longer service life. It's very effective for non-loading removal of paint, scale, rust, corrosion, grease, oil and most coatings. Use it on stainless steel, carbon steel, aluminum, titanium, fiberglass, plastics, composites, wood and stone.

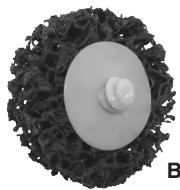
### QUICK CHANGE DISCS

- Quickly mounts to Type R quick change holder for use on pneumatic tools.
- Adapts to contours & irregular surfaces. Accesses confined & hard-to-reach areas.

FRONT



BACK



SIDE



PSS012216

| SIZE | COLOR | PART NUMBER | QTY | HOLDER NUMBER |
|------|-------|-------------|-----|---------------|
| 2    | Red   | 815274      | 5   | 815282        |
| 3    | Red   | 815275      | 5   | 815283        |

### TYPE 27 DISCS

- Disc is mounted to a rigid fiberglass backing plate to be used on a right angle grinder without the need for a backing pad.
- The aggressive nature of the material makes these ideal for extremely heavy "scrubbing" of large spacious surface areas.



| SIZE  | DIA.XARBOR | COLOR | PART NUMBER | PART QTY | MAX. RPM'S |
|-------|------------|-------|-------------|----------|------------|
| 4-1/2 | x 7/8      | Red   | 815278      | 2        | 11,000     |
| 4-1/2 | x 5/8-11   | Red   | 815279*     | 2        | 11,000     |

\*Note: Disc with 5/8"-11 threaded arbor system mounts quickly to the tools threaded spindle.

## STRIP-IT DISCS

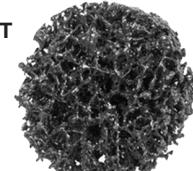
- Strip-It's open abrasive surface runs cool and prevents loading.
- Just like 3M Clean 'N Strip.
- Will not overcut workpiece and leaves surface free of contaminants.
- Nylon web combined with silicone and resin.
- Flexible for hard to reach and irregular contours.

- Removal of rusts, oxides and scale, paint, polyurethane & tar.
- Removes coatings such as paint & varnish w/o loading.
- Ideal for cleaning stone, concrete or marble.
- Great for shipyard weld preparation and coating removal applications.

### STRIP-IT TWIST-LOCK DISCS

- Twist-Lock button centers and securely fastens disc.
- Used on die grinders.

FRONT



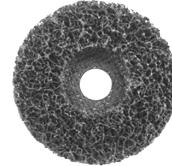
BACK



| SIZE | COLOR | PART NUMBER | QTY | HOLDER NUMBER |
|------|-------|-------------|-----|---------------|
| 2    | Black | 811675      | 2   | 811617        |
| 3    | Black | 811676      | 2   | 811618        |

### STRIP-IT RIGHT ANGLE DISCS

- Disc is bonded to fiberglass backing for more demanding applications.
- Used on right angle grinders.



| SIZE        | DIA.XARBOR | COLOR | PART NUMBER | PART QTY | MAX. RPM'S |
|-------------|------------|-------|-------------|----------|------------|
| 4 x 5/8     |            | Black | 811677      | 2        | 12,400     |
| 4-1/2 x 7/8 |            | Black | 811678      | 2        | 11,000     |

## THE FINISHER

### SUPER-DUTY BUFF & BLEND QUICK CHANGE NON-WOVEN DISCS

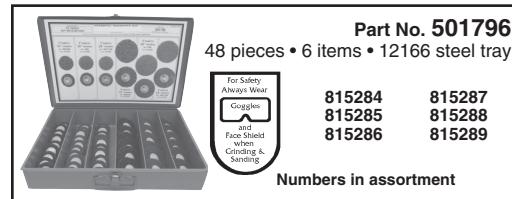
#### USE FOR:

- Edge deburring.
- Removal of flashing, tooling & mill marks.
- Quickly removes heavy oxidation, rust, corrosion and surface contamination.



- Provides exceptional finish results.
- Cleans and polishes.
- Runs cool, less heat damage.

- Excellent on steel, aluminum, brass, stainless steel and non-ferrous metals.
- Adapts to irregular surfaces.



SMP022114

#### MEDIUM (Most Aggressive)

| SIZE | DIA.XTHKNS. | GRIT   | PART NUMBER | QTY |
|------|-------------|--------|-------------|-----|
| 2"   | x 1/2"      | Medium | 815284      | 25  |
| 3"   | x 1/2"      | Medium | 815287      | 25  |

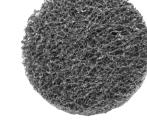
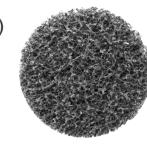


#### FINE (Perfect Balance between Aggressive & End Finish)

| SIZE | DIA.XTHKNS. | GRIT | PART NUMBER | QTY |
|------|-------------|------|-------------|-----|
| 2"   | x 3/8"      | Fine | 815285      | 25  |
| 3"   | x 3/8"      | Fine | 815288      | 25  |

#### VERY FINE (Most Refined Finish)

| SIZE | DIA.XTHKNS. | GRIT      | PART NUMBER | QTY |
|------|-------------|-----------|-------------|-----|
| 2"   | x 3/8"      | Very Fine | 815286      | 25  |
| 3"   | x 3/8"      | Very Fine | 815289      | 25  |



# NON-WOVEN ABRASIVES

## CROSS BUFFS

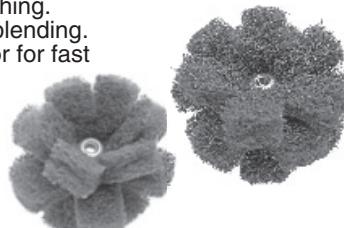
Excellent on virtually all metals including steel, aluminum, stainless steel, tool steel, formed surfaces, castings and forgings.

- Polishes and cleans the inside diameter of tubing, dies, molds, valve spools, brake cylinders and more.
- Flexible design conforms to the shape of the part.
- Reaches those hard-to-reach areas of metal components.

- Removes surface oxidation, rust, corrosion and contaminants.
- Removes scratches and flashing.
- Excellent for deburring and blending.
- Quick change screw on arbor for fast attachment to 8-32 mandrel.

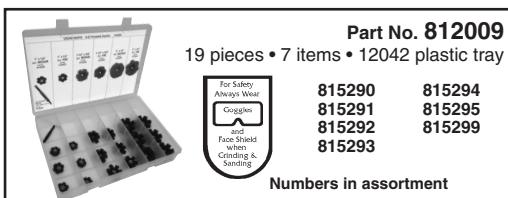
| SIZE<br>DIA.xTHKNS. | PART<br>NUMBER | GRIT   | QTY |
|---------------------|----------------|--------|-----|
| 1" x 1/4"           | 815290         | Medium | 3   |
| 1" x 1/4"           | 815291         | Fine   | 3   |
| 1-1/2" x 3/8"       | 815292         | Medium | 3   |
| 1-1/2" x 3/8"       | 815293         | Fine   | 3   |
| 2" x 1/2"           | 815294         | Medium | 3   |
| 2" x 1/2"           | 815295         | Fine   | 3   |

PSS022614



### MANDREL 8-32 THREAD

Part No. 815299



## COMBO - FINISHER / CROSS BUFFS ASSORTMENT

A combination of both the Finisher Disc and the Cross Buffs together in one assortment.

PSS030514

| Part No. 501797  |        |
|--|--------|
| 31 pieces • 13 items • 12061 steel tray                                |        |
| For Safety Always Wear Goggles and Face Shield When Grinding & Sanding |        |
| 815284   | 815289 |
| 815285   | 815290 |
| 815286   | 815291 |
| 815287   | 815292 |
| 815288   | 815293 |
| Numbers in assortment  |        |



## SURFACE CONDITIONING HAND PADS

- Bonded aluminum oxide grain provides constant, long-lasting, cutting and polishing action.
- Replaces steel wool with no rusting, splintering or contamination.

### - HAND PAD TEST KIT -

Part No. 113299

(2) - extra coarse (2) - medium fine  
(2) - medium coarse (2) - fine



- Tough, heavy duty non-woven material outlasts paper-backed abrasives. Can be used wet or dry; washable and reusable.
- Adaptable to both hand or machine finishing.

**113262** Extra coarse (gray) - very fast material removal and heavy duty cleaning. Out-cuts all other pads. Can be used to create a decorative scratch finish.

**113222** Medium coarse (green) - a general duty pad. Ideal for scuffing acrylics and blending paint. Well suited for light duty cleaning, finishing, rust removal and light oxide removal.

**113227** Medium fine (maroon) - an ideal general purpose pad. For hand blending, cleaning and finishing. Removes rust and corrosion, imparts a satin finish on extruded aluminum. Can be used to clean up printed circuit boards. Use to scuff surface before applying paint or primer/surfacer. Excellent for used car reconditioning, cleaning upholstery, headliners, door pads, chrome & cleaning whitewall tires.

**113234** Fine (gray) - especially suited for light cleaning and fine finishing of all metals, plastics and fiberglass surfaces. Removes fine burrs on threaded parts, cleans glass, molds and polishes dies. Ideal for rubbing down primer and sealer coats in woodworking. Also for final sanding of primer/surfacer before applying auto body paint finishes.

\*Silicone Carbide

## 3M SCOTCH-BRITE™ HAND PADS



- A unique surface conditioning pad with abrasives incorporated into non-woven nylon or other synthetic fibers which creates an abrasive system that delivers consistent results for the life of the product. The open-web material is load resistant and keeps the abrasive minerals cutting at high performance by limiting clogging of the fibers.

| PART NUMBER | DESCRIPTION  | QTY |
|-------------|--|-----|
| 907445      | Light cleansing (white) - is ideal for cleaning many different surfaces when a more aggressive hand pad would be too rough. It is commonly used with liquid detergents for gentle but thorough cleaning of dirt or residue on delicate surfaces such as vinyl, porcelain, glass, and plastic. It also performs light cleaning on stainless steel, chrome, or painted surfaces, as well as wax mold deflashing or top coat rubbing of wood. | 20  |

|        |  |    |
|--------|--|----|
| 907447 | General purpose (maroon) - combines flexibility with effective cutting action & precise hand control to accomplish tough cleaning jobs or produce fine finishing results, use after use. Very fine grade aluminum oxide abrasives cut fast & fine, leaving a smooth, finished surface. Suitable for use on a wide variety of materials and for many different tasks. | 20 |
|--------|--|----|

|         |  |    |
|---------|--|----|
| 907448* | Ultra fine (gray) - ideal for cleaning parts and scuffing prior to staining and painting. The durable open-web construction is load resistant, offers long life and consistent abrasive action for cleaning, finishing, and buffering with no need to adjust, turnover, or continue the same project with a new pad. | 20 |
|---------|--|----|

\*Silicone Carbide

# MISCELLANEOUS ABRASIVES

## 3M ROLOC™ BRISTLE DISCS

- Extra tough plastic bristle brush.
- Sweeps away gasketing material and contamination while continually exposing fresh abrasive.

| PART NUMBER | GRIT   | DIA. | COLOR  | USE ON     | QTY |
|-------------|--------|------|--------|------------|-----|
| 917530      | Coarse | 1"   | Green  | Steel      | 10  |
| 917531      | Medium | 1"   | Yellow | Alum/Steel | 10  |
| 917532      | Fine   | 1"   | White  | Alum/Steel | 10  |

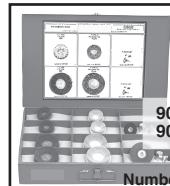
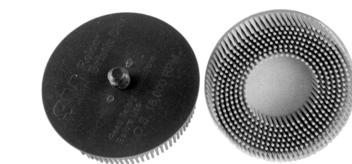
1" Disc Holder - Order No. 905538

| PART NUMBER | GRIT   | DIA. | COLOR  | USE ON     | QTY |
|-------------|--------|------|--------|------------|-----|
| 907524      | Coarse | 2"   | Green  | Steel      | 10  |
| 907525      | Medium | 2"   | Yellow | Alum/Steel | 10  |
| 907528      | Fine   | 2"   | White  | Alum/Steel | 10  |

2" Disc Holder - Order No. 905539

| PART NUMBER | GRIT   | DIA. | COLOR  | USE ON     | QTY |
|-------------|--------|------|--------|------------|-----|
| 907526      | Coarse | 3"   | Green  | Steel      | 10  |
| 907527      | Medium | 3"   | Yellow | Alum/Steel | 10  |
| 907529      | Fine   | 3"   | White  | Alum/Steel | 10  |

3" Disc Holder - Order No. 905540



Part No. 501630

10 pieces • 6 items

12061 steel tray

907524 907526 907539  
907525 907527 907540

Numbers in assortment



No more scrapers!

- Bristles ride over surface removing old gasket without gouging.



No more wire brushes!

- Eliminates dangerous loose wires flying back at the technician.



No more chemical strippers!

- Safer for other engine parts and the environment than chemical strippers.



| FEATURES                             | ADVANTAGE   | SCOTCH-BRITE™ ROLOC™ BRISTLE DISC VS. THE COMPETITION BENEFIT  |
|--------------------------------------|---|--|
| Unitized<br>Seamless<br>Construction | Allows operation at die grinder max. operating speed.<br>Vise grip hold on bristles.<br>Open construction - non-loading.<br>Extended life outlasting competitive discs.   | Tech. can use light weight tool of choice - die grinder.<br>Safe operation no flying wires.<br>Saves time of running dull & loaded disc.<br>Saves money.                           |
| Soft Bristle<br>Design               | Rides over gasketing surface removing only gasket.<br>Tough on gasket not on gasketing surface - won't gouge.<br>Removes gasket while riding over surface, no metal shavings.<br>Remove gasket material without hazardous waste & E.P.A. concern. | Saves cost of rework from damage to gasketing surface.<br>Saves rework resulting from gouging on surface.<br>Saves time and money of rework.<br>Saves cost, safer shop operations. |

## 3M™ 4-1/2" BRISTLE DISCS

Used for coating removal, weld preparation, cleaning, scuffing, burr removal.

- Patented abrasive-filled bristles apply a continuous, fresh supply of sharp 3M™ Regalite™ mineral to the workpiece. Resists loading with coatings, dirt, and debris for longer life and consistent performance.
- Unique bristle shape resists excessive edge wear to help extend disc performance.
- Flexible bristles conform to the part and clean without removing base material. Helps reduce damage and rework.
- Uniform concentration of Regalite mineral provides a higher cut rate than wire brushes for a faster, more uniform finish. Lowers operational costs.
- Cool running, resists heat build-up to help reduce potential for tempering or damaging the work surface.
- Integral threaded core spins quickly onto 5/8"-11 threaded shafts on electric or pneumatic right angle grinders.

| PART NUMBER | GRIT      | COLOR  |
|-------------|-----------|--------|
| 939037      | 120 Fine  | White  |
| 939029      | 80 Medium | Yellow |
| 939011      | 50 Coarse | Green  |

Max. Oper. RPM's 12,000



## STEEL WOOL

Clean tools, remove splatters, restores aluminum, clean, polish & remove stains, brighten metal, eliminate rust, strip paint, degloss surfaces, sand wood or metal and so on...

### HUNDREDS OF USES!

- The choice of professionals for cleaning, polishing & refinishing.
- Made in USA, manufactured to the highest quality standards for over 100 years.
- 16 pads per package.

| PART NUMBER | GRADE                        |
|-------------|------------------------------|
| 415210      | #0000 - Finishing            |
| 415211      | #000 - Polishing             |
| 415212      | #00 - Metal Finishing        |
| 415213      | #0 - General Purpose         |
| 415214      | #1 - Automotive              |
| 415215      | #2 - Paint & Varnish Removal |



# TITANIUM NITRIDE DRILLS

## INTRODUCING THE REVOLUTION IN DRILLING HOLES

### TITANIUM NITRIDE DRILLS

**500% longer life.**

**50% faster.**

You can drill more holes - faster!

#### Heavy duty construction.

Designed for industry, they stand up to the toughest conditions. Made from heavy duty, high speed steel, they are ideal for hard metals such as tool steel, work hardened stainless and other difficult to drill materials.

#### Ultimate quality and performance.

A super hard and smooth titanium coating.

#### Greater savings.

Extended life, faster cutting rates and improved performance add up to a substantial dollar savings. Plus, a Titanium Nitride drill can be resharpened.

**TITANIUM NITRIDE COATED DRILLS  
ARE 500% LONGER LASTING  
THAN ORDINARY DRILLS!!**



- ◆ Titanium drill bits last up to 6 times longer than standard high speed steel bits.



- ◆ Provides 75% faster penetration.



- ◆ Reduces downward pressure required to drill hole.



- ◆ Freer cutting - requires 25% less power to finish hole.



- ◆ Provides holes closer to size with improved hole finish.

### FRACTIONAL SIZES

| PART NUMBER | DIAMETER INCHES | DECIMAL EQUIVALENT INCHES | OVERALL LENGTH INCHES |
|-------------|-----------------|---------------------------|-----------------------|
| 814303      | 1/16            | .0625                     | 1-7/8                 |
| 814304      | 5/64            | .0781                     | 2                     |
| 814305      | 3/32            | .0938                     | 2-1/4                 |
| 814306      | 7/64            | .1094                     | 2-5/8                 |
| 814307      | 1/8             | .1250                     | 2-3/4                 |
| 814308      | 9/64            | .1406                     | 2-7/8                 |
| 814309      | 5/32            | .1562                     | 3-1/8                 |
| 814310      | 11/64           | .1719                     | 3-1/4                 |
| 814311      | 3/16            | .1875                     | 3-1/2                 |
| 814312      | 13/64           | .2031                     | 3-5/8                 |
| 814313      | 7/32            | .2188                     | 3-3/4                 |
| 814314      | 15/64           | .2344                     | 3-7/8                 |
| 814315      | 1/4             | .2500                     | 4                     |
| 814316      | 17/64           | .2656                     | 4-1/8                 |
| 814317      | 9/32            | .2812                     | 4-1/4                 |
| 814318      | 19/64           | .2969                     | 4-3/8                 |
| 814319      | 5/16            | .3125                     | 4-1/2                 |
| 814320      | 21/64           | .3281                     | 4-5/8                 |
| 814321      | 11/32           | .3438                     | 4-3/4                 |
| 814322      | 23/64           | .3594                     | 4-7/8                 |
| 814323      | 3/8             | .3750                     | 5                     |
| 814324      | 25/64           | .3906                     | 5-1/8                 |
| 814325      | 13/32           | .4062                     | 5-1/4                 |
| 814326      | 27/64           | .4219                     | 5-3/8                 |
| 814327      | 7/16            | .4375                     | 5-1/2                 |
| 814328      | 29/64           | .4531                     | 5-5/8                 |
| 814329      | 15/32           | .4688                     | 5-3/4                 |
| 814330      | 31/64           | .4844                     | 5-7/8                 |
| 814331      | 1/2             | .5000                     | 6                     |

### TITANIUM NITRIDE DRILL SETS

- Titanium nitride coating provides a super hard surface with high lubricity.
- High speed steel.
- Ideal for hard metals, work hardened stainless, and other difficult to drill materials.

- 135° split point.
- Ultimate high performance drills.

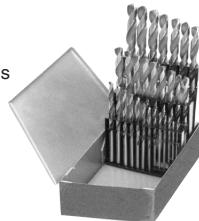
Part No. 814001

29 piece set

Contains 29 drills

Sizes: 1/16" to 1/2" by 64ths

Packed in 12097 index



Part No. 814301

13 piece set

Contains 13 drills

Sizes: 1/16" to 1/4" by 64ths

Packed in 12095 index



Part No. 814302

15 piece set

Contains 15 drills

Sizes: 1/16" to 1/2" by 32nds

Packed in 12096 index



Part No. 814002

100 piece set

Contains 100 drills

29 sizes

Sizes: 1/16" to 1/2" by 64ths

Packed in drill dispenser 12072

### 1/2" REDUCED SHANK



- 118° point.
- Requires minimum feed pressure.
- Fits all drills and drill presses with 1/2" chucks.
- Center easily.
- Ideal for machine shops, garages, farm and highway maintenance shops.

| PART NUMBER | DIAMETER INCHES | OVERALL LENGTH INCHES | FLUTE LENGTH INCHES |
|-------------|-----------------|-----------------------|---------------------|
| 814458      | 9/16            | 6                     | 3-7/8               |
| 814459      | 5/8             | 6                     | 3-7/8               |
| 814460      | 11/16           | 6                     | 3-7/8               |
| 814461      | 3/4             | 6                     | 3-7/8               |
| 814463      | 1               | 6                     | 3-7/8               |

# TITANIUM NITRIDE and DYNALLOY TWIST DRILLS

## UNIBIT STEP DRILLS

- Multiple hole sizes saves money, one bit can replace up to 13 different twist drills.
- Self starting tip means no skidding of the bit, no need for center punching.

- Enlarges holes quickly, saving time needed to change twist drill bits.
- Automatic deburring action means smooth, round holes and perfect hole sizing, time after time.
- Easy to sharpen, using ordinary grinding stone.

### - Two Styles Available -

**Multi-Hole Style:** Incorporates specially designed cutting steps, of progressively larger diameters, making it possible to drill up to as many as thirteen different hole sizes with a single bit.

**Single Hole Style:** Allows you to drill 7/8" diameter holes in tight confined areas, with little effort. Works in spots regular length drill bits won't fit.

Drill perfectly round holes of varying diameters in metal & plastics.

## TITANIUM NITRIDE COATING

Extends drill life by 500%, and increases cutting rates by 50%. Titanium provides a superhead surface with high lubricity.



Greatly simplifies auto accessory installations.

Ideal for rust proofing applications.



Sure starts even on curved surfaces.

Cuts quickly through dense metal.

| PART NUMBER | ILLUSTRATION | NO. OF HOLE SIZES | DIAMETER                        | STEP DEPTH | SHANK LENGTH | POINT   | APPLICATION   |
|-------------|--------------|-------------------|---------------------------------|------------|--------------|---|---|
| 814470      |              | 13                | 1/8 thru 1/2 in 1/32 increments | 1/8        | 1/4          | Self-starting.  | All common drilling needs.  |
| 814471      |              | 8                 | 9/16 thru 1 in 1/16 increments  | 1/8        | 3/8          | For hole enlarging. Requires 1/2" or larger pilot hole. | All common drilling needs. With No. 814470, will drill 99% of most common diameter holes. |
| 814472      |              | 9                 | 1/4 thru 3/4 in 1/16 increments | 1/8        | 3/8          | Self-starting.  | Ideal for cutting medium size holes.  |
| 814473      |              | 1                 | 7/8                             | 3/8        |              | Self-starting.  | Perfect size for 1/2" conduit. Ideal for draw-bolt hole and pilot light hole.             |

## DYNALLOY GOLD TWIST DRILLS

- **135° self-centering split point.**
  - No center punching required.
  - Provides faster starts.
  - Eliminates work hardening.
  - Eliminates wandering when cutting rounded material.
- **Precision flutes.**
  - Permits rapid chip removal.
  - Reduces chip build-up and chip welding.
  - Provides cooler operation.
- **Heavy duty construction.**
  - Prevents excessive breakage.
  - Provides longer life.
  - Heavy duty web for precision drilling of thick material.
- **Surface treatment.**
  - Adds anti-friction and anti-weld properties to Dynalloy steel.

## STRAIGHT SHANK FRACTIONAL SIZES

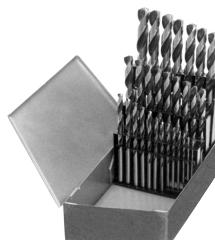
- 135° self-centering split point.

- High speed steel drills.



Part No. 813010  
13 piece set

Sizes: 1/16" to 1/4" by 64ths  
Packed in 12095 index



Part No. 813012  
29 piece set

Sizes: 1/16" to 1/2" by 64ths  
Packed in 12097 index



Part No. 813011  
15 piece set

Sizes: 1/16" to 1/2" by 32nds  
Packed in 12096 index



Part No. 813024  
50 pieces • 16 sizes (see chart) • 12050 steel tray

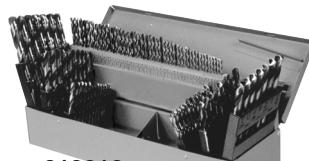
| PART NUMBER | DRILL DIAMETER INCHES | DECIMAL EQUIVALENT INCHES | OVERALL LENGTH INCHES | QTY |
|-------------|-----------------------|---------------------------|-----------------------|-----|
| 813501*     | 1/16                  | .0625                     | 1-7/8                 | 3   |
| 813502      | 5/64                  | .0781                     | 2                     | 3   |
| 813503*     | 3/32                  | .0937                     | 2-1/4                 | 3   |
| 813504*     | 7/64                  | .1094                     | 2-5/8                 | 3   |
| 813505*     | 1/8                   | .1250                     | 2-3/4                 | 3   |
| 813506*     | 9/64                  | .1406                     | 2-7/8                 | 3   |
| 813507*     | 5/32                  | .1562                     | 3-1/8                 | 3   |
| 813508      | 11/64                 | .1719                     | 3-1/4                 | 3   |
| 813509*     | 3/16                  | .1875                     | 3-1/2                 | 3   |
| 813510*     | 13/64                 | .2031                     | 3-5/8                 | 3   |
| 813511*     | 7/32                  | .2187                     | 3-3/4                 | 3   |
| 813512*     | 15/64                 | .2344                     | 3-7/8                 | 3   |
| 813513*     | 1/4                   | .2500                     | 4                     | 3   |
| 813514*     | 17/64                 | .2656                     | 4-1/8                 | 3   |
| 813515*     | 9/32                  | .2812                     | 4-1/4                 | 3   |
| 813516*     | 19/64                 | .2969                     | 4-3/8                 | 3   |
| 813517*     | 5/16                  | .3125                     | 4-1/2                 | 3   |
| 813518      | 21/64                 | .3281                     | 4-5/8                 | 3   |
| 813519      | 11/32                 | .3437                     | 4-3/4                 | 3   |
| 813520      | 23/64                 | .3594                     | 4-7/8                 | 3   |
| 813521*     | 3/8                   | .3750                     | 5                     | 3   |
| 813522      | 25/64                 | .3906                     | 5-1/8                 | 3   |
| 813523      | 13/32                 | .4062                     | 5-1/4                 | 3   |
| 813524      | 27/64                 | .4219                     | 5-3/8                 | 3   |
| 813525      | 7/16                  | .4375                     | 5-1/2                 | 3   |
| 813526      | 29/64                 | .4531                     | 5-5/8                 | 3   |
| 813527      | 15/32                 | .4687                     | 5-3/4                 | 3   |
| 813528      | 31/64                 | .4844                     | 5-7/8                 | 3   |
| 813529      | 1/2                   | .5000                     | 6                     | 3   |

\*These numbers are contained in assortment 813024.

**DYNALLOY TWIST DRILLS and DRILLS****LETTER SIZES**

| PART NUMBER | LETTER SIZE | DECIMAL EQUIVALENT INCHES | PART NUMBER | LETTER SIZE | DECIMAL EQUIVALENT INCHES |
|-------------|-------------|---------------------------|-------------|-------------|---------------------------|
| 813574      | A           | .234                      | 813583      | J           | .277                      |
| 813575      | B           | .238                      | 813584      | K           | .281                      |
| 813576      | C           | .242                      | 813585      | L           | .290                      |
| 813577      | D           | .246                      | 813586      | M           | .295                      |
| 813578      | E           | .250                      | 813587      | N           | .302                      |
| 813579      | F           | .257                      | 813588      | O           | .316                      |
| 813580      | G           | .261                      | 813589      | P           | .323                      |
| 813581      | H           | .266                      | 813590      | Q           | .332                      |
| 813582      | I           | .272                      | 813591      | R           | .339                      |

| PART NUMBER | LETTER SIZE | DECIMAL EQUIVALENT INCHES |
|-------------|-------------|---------------------------|
| 813592      | S           | .348                      |
| 813593      | T           | .358                      |
| 813594      | U           | .368                      |
| 813595      | V           | .377                      |
| 813596      | W           | .386                      |
| 813597      | X           | .397                      |
| 813598      | Y           | .404                      |
| 813599      | Z           | .413                      |



**Part No. 813016**  
**MASTER COMBINATION DRILL INDEX**  
98 piece set  
Sizes: 1/16" to 1/2" by 64ths,  
Number sizes: 1 to 43, Letter sizes: A to Z  
Packed in 12082 master index

**WIRE GAUGE (NUMBER) SIZES**

| PART NUMBER | WIRE GAUGE SIZE | DECIMAL EQUIVALENT INCHES | PART NUMBER | WIRE GAUGE SIZE | DECIMAL EQUIVALENT INCHES |
|-------------|-----------------|---------------------------|-------------|-----------------|---------------------------|
| 813531      | 1               | .2280                     | 813551      | 21              | .1590                     |
| 813532      | 2               | .2210                     | 813552      | 22              | .1570                     |
| 813533      | 3               | .2130                     | 813553      | 23              | .1540                     |
| 813534      | 4               | .2090                     | 813554      | 24              | .1520                     |
| 813535      | 5               | .2055                     | 813555      | 25              | .1495                     |
| 813536      | 6               | .2040                     | 813556      | 26              | .1470                     |
| 813537      | 7               | .2010                     | 813557      | 27              | .1440                     |
| 813538      | 8               | .1990                     | 813558      | 28              | .1405                     |
| 813539      | 9               | .1960                     | 813559      | 29              | .1360                     |
| 813540      | 10              | .1935                     | 813560      | 30              | .1285                     |
| 813541      | 11              | .1910                     | 813561      | 31              | .1200                     |
| 813542      | 12              | .1890                     | 813562      | 32              | .1160                     |
| 813543      | 13              | .1850                     | 813563      | 33              | .1130                     |
| 813544      | 14              | .1820                     | 813564      | 34              | .1110                     |
| 813545      | 15              | .1800                     | 813565      | 35              | .1100                     |
| 813546      | 16              | .1770                     | 813566      | 36              | .1065                     |
| 813547      | 17              | .1730                     | 813567      | 37              | .1040                     |
| 813548      | 18              | .1695                     | 813568      | 38              | .1015                     |
| 813549      | 19              | .1660                     | 813569      | 39              | .0995                     |
| 813550      | 20              | .1610                     | 813570      | 40              | .0980                     |

| PART NUMBER | WIRE GAUGE SIZE | DECIMAL EQUIVALENT INCHES | PART NUMBER | WIRE GAUGE SIZE | DECIMAL EQUIVALENT INCHES |
|-------------|-----------------|---------------------------|-------------|-----------------|---------------------------|
| 813571      | 41              | .0960                     | 813572      | 42              | .0935                     |
| 813573      | 43              | .0890                     | 813760      | 44              | .0860                     |
| 813761      | 45              | .0820                     | 813762      | 46              | .0810                     |
| 813763      | 47              | .0785                     | 813764      | 48              | .0760                     |
| 813765      | 49              | .0730                     | 813766      | 50              | .0700                     |
| 813767      | 51              | .0670                     | 813768      | 52              | .0635                     |
| 813769      | 53              | .0595                     | 813770      | 54              | .0550                     |
| 813771      | 55              | .0520                     | 813772      | 56              | .0465                     |
| 813773      | 57              | .0430                     | 813774      | 58              | .0420                     |
| 813775      | 59              | .0410                     | 813776      | 60              | .0400                     |

| PART NUMBER | WIRE GAUGE SIZE | DECIMAL EQUIVALENT INCHES |
|-------------|-----------------|---------------------------|
| 813777      | 61              | .0390                     |
| 813778      | 62              | .0380                     |
| 813779      | 63              | .0370                     |
| 813780      | 64              | .0360                     |
| 813781      | 65              | .0350                     |
| 813782      | 66              | .0330                     |
| 813783      | 67              | .0320                     |
| 813784      | 68              | .0310                     |



**Part No. 813014**  
43 piece set  
Sizes: 1 to 43  
Packed in 12099 index

**METRIC DYNALLOY TWIST DRILLS**

| PART NUMBER | DRILL DIA. DEC. EQUIV. |        | OVERALL LGTH. |        | PART NUMBER | DRILL DIA. DEC. EQUIV. |        | OVERALL LGTH. |        |       |   |
|-------------|------------------------|--------|---------------|--------|-------------|------------------------|--------|---------------|--------|-------|---|
|             | MM                     | INCHES | MM            | INCHES |             | MM                     | INCHES | MM            | INCHES |       |   |
| 813927      | 1.00                   | .0394  | 41            | 1-5/8  | 3           | 813937                 | 6.00   | .2362         | 102    | 4     | 3 |
| 813928      | 1.50                   | .0591  | 48            | 1-7/8  | 3           | 813938                 | 6.50   | .2559         | 105    | 4-1/8 | 1 |
| 813929      | 2.00                   | .0787  | 54            | 2-1/8  | 3           | 813939                 | 7.00   | .2756         | 105    | 4-1/8 | 1 |
| 813930      | 2.50                   | .0984  | 60            | 2-3/8  | 3           | 813940                 | 7.50   | .2953         | 111    | 4-3/8 | 1 |
| 813931      | 3.00                   | .1181  | 70            | 2-3/4  | 3           | 813941                 | 8.00   | .3150         | 114    | 4-1/2 | 1 |
| 813932      | 3.50                   | .1378  | 73            | 2-7/8  | 3           | 813942                 | 8.50   | .3346         | 121    | 4-3/4 | 1 |
| 813933      | 4.00                   | .1575  | 83            | 3-1/4  | 3           | 813943                 | 9.00   | .3543         | 124    | 4-7/8 | 1 |
| 813934      | 4.50                   | .1772  | 86            | 3-3/8  | 3           | 813944                 | 9.50   | .3740         | 127    | 5     | 1 |
| 813935      | 5.00                   | .1968  | 92            | 3-5/8  | 3           | 813945                 | 10.00  | .3937         | 130    | 5-1/8 | 1 |
| 813936      | 5.50                   | .2165  | 95            | 3-3/4  | 3           |                        |        |               |        |       |   |



**Part No. 813026**  
19 sizes  
1mm to 10mm  
.50mm increments



- Double-ended for double the wear, double the life.
- Drill ends of equal diameter 118° point.

| PART NUMBER | DRILL SIZE INCHES | SHANK SIZE INCHES | OVERALL LENGTH INCHES | QTY |
|-------------|-------------------|-------------------|-----------------------|-----|
| 813991      | 7/64              | 1/4               | 2                     | 3   |
| 813630      | 1/8               | 5/16              | 2-1/8                 | 3   |
| 813992      | 3/16              | 7/16              | 2-3/4                 | 3   |

**DOUBLE-END STRAIGHT SHANK**

- 135° Self-centering split point.
- Extra sharp point always handy.
- Fits drill chuck without damage.
- Stubby length reduces breakage.
- Ideal for drilling sheet metal 1/4" thick or less.

| PART NUMBER | DRILL SIZE INCHES | DEC. EQUIV. | OVERALL LENGTH INCHES | QTY |
|-------------|-------------------|-------------|-----------------------|-----|
| 813625      | 1/8               | .1250       | 2                     | 12  |
| 813626      | 3/16              | .1875       | 2-3/16                | 3   |
| 813624      | 1/4               | .2500       | 2-1/2                 | 6   |
| 813627      | 30                | .1285       | 2                     | 3   |

**BODY SHOP TIP**  
#30 Bit creates the perfect size hole for 1/8" blind rivets.

# DYNALLOY DRILLS and DRILLS



## REDUCED SHANK DRILLS

### 3/8" REDUCED SHANK

| PART NUMBER | DIAMETER INCHES | DEC. EQUIV. | OVERALL LENGTH |
|-------------|-----------------|-------------|----------------|
| 813651*     | 7/16            | .4375       | 5-1/2          |
| 813657      | 5/8             | .6250       | 6              |

\* Item will be discontinued when stock depletes.

**DON'T FORGET "CUTTING FOAM"**  
Drill bits will last longer. Part No. 811244

### 1/2" REDUCED SHANK 3" Twist Length

| PART NUMBER | DIAMETER INCHES | DEC. EQUIV. | OVERALL LENGTH |
|-------------|-----------------|-------------|----------------|
| 813609      | 9/16            | .5625       | 6              |
| 813611      | 5/8             | .6250       | 6              |
| 813613      | 11/16           | .6875       | 6              |
| 813615      | 3/4             | .7500       | 6              |
| 813617      | 13/16           | .8125       | 6              |
| 813619      | 7/8             | .8750       | 6              |
| 813623      | 1               | 1.000       | 6              |

## EXTRA LONG AIRCRAFT EXTENSION DRILLS

- 12" Overall length.
- 135° Self-centering split point
- No center punch required; eliminates wandering.



## DYNALLOY MASONRY DRILL

Tungsten Carbide Tip is specially designed for the drilling of: tile, brick, granite, concrete, and similar hard wearing material.



| PART NUMBER | DRILL DIA. INCHES | SHANK DIA. INCHES | LENGTH |
|-------------|-------------------|-------------------|--------|
| 813658      | 3/16              | 3/16              | 3-1/2  |
| 813659      | 1/4               | 1/4               | 4-1/4  |
| 813660      | 5/16              | 1/4               | 6      |
| 813661      | 3/8               | 1/4               | 6      |
| 813662      | 7/16              | 7/16              | 6-1/4  |
| 813663      | 1/2               | 3/8               | 6-3/4  |
| 813664      | 5/8               | 3/8               | 6      |
| 813665      | 3/4               | 1/2               | 6      |

## HEX SHANK DRILL BITS

- Fits all cordless drills and screwdrivers.
- 1/4" hex shank for fast bit changes.
- Durable high speed steel quickly penetrates wood, metal and plastic.
- Hardened and tempered for long life.



### Assortment Available

Part No. 813023  
5 piece set  
12028 plastic tray

| PART NUMBER | DIAMETER INCHES | OVERALL LENGTH | FLUTE LENGTH IN. |
|-------------|-----------------|----------------|------------------|
| 813715      | 3/32            | 2-3/4          | 1-3/16           |
| 813716      | 7/64            | 2-7/8          | 1-1/4            |
| 813717      | 1/8             | 3              | 1-5/16           |
| 813718      | 9/64            | 3-1/16         | 1-7/16           |
| 813719      | 5/32            | 3-3/16         | 1-1/2            |

## MULTI-PURPOSE DRILL BITS

Specially designed carbide tip, flute and heat treatment for penetrating a variety of materials.

### APPLICATIONS

- Pipe & electrical mounts
- Machinery mounts
- Door & window frames
- Roofing & brackets

### MATERIALS

- Concrete, stone & masonry
- Ceramic tile & marble
- Brick & granite
- Plastics, glass & wood
- Fiberglass & plexiglass

### IDEAL FOR

- Corded/cordless drills
- Drill presses

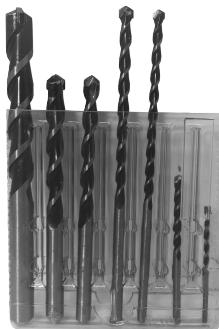


PSS040517

| PART NUMBER | SHANK DIA. INCHES | OVERALL LENGTH |
|-------------|-------------------|----------------|
| 811052      | 1/8               | 2-3/4          |
| 811053      | 5/32              | 3-1/4          |
| 811054      | 3/16              | 3-1/4          |
| 811055      | 3/16              | 6              |
| 811056      | 1/4               | 4              |
| 811057      | 1/4               | 6              |
| 811058      | 5/16              | 4-3/4          |
| 811059      | 3/8               | 4-3/4          |
| 811060      | 1/2               | 6              |

### Assortments Available

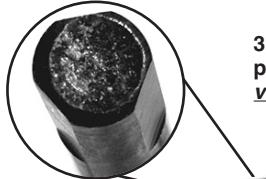
7 PIECE SET  
Part No. 811050  
1/8, 5/32, 3/16, 1/4,  
5/16, 3/8 & 1/2



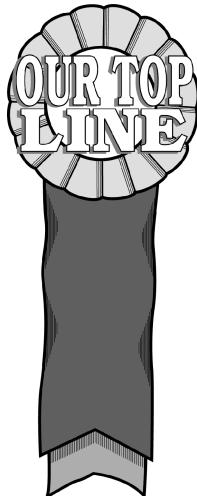
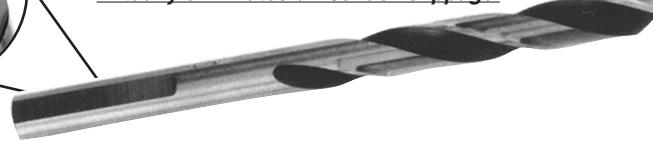
5 PIECE SET  
Part No. 811051  
1/8, 5/32, 3/16, 1/4,  
& 5/16

**DYNALLOY POSI-GRIP DRILL BITS****DYNALLOY POSI-GRIP DRILLS**

*Used for demanding maintenance and portable drilling functions in various grades of stainless steel and other hard metal drilling applications.*



3 Flats on 3/16" and larger shank give positive chuck-grip, and virtually eliminates drill/chuck slippage.

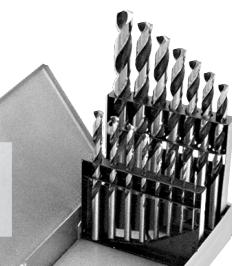
**- ASSORTMENTS AVAILABLE -**

Part No. 814006

13 piece set

Sizes: 1/16" to 1/4" by 64ths.

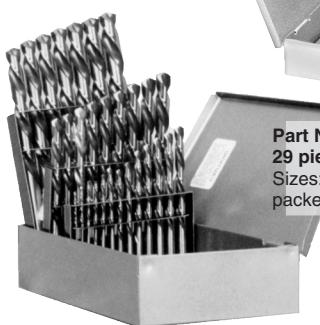
packed in 12095 index



Part No. 814007  
15 piece set

Sizes: 1/16" to 1/2" by 32nds.

packed in 12096 index

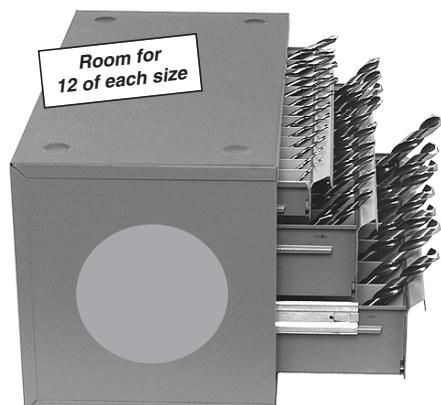


Part No. 814008

29 piece set

Sizes: 1/16" to 1/2" by 64ths.

packed in 12097 index



Part No. 814009

29 piece set

Sizes: 1/16" to 1/2" by 64ths.

packed in 12072 cabinet

- Special hi-molybdenum tool steel, gold surface treated for maximum lubricity.
- Mechanics/maintenance length reduces potential for breaking.
- Premium grade steel for longer life and heat resistance.

| DIAMETER | OVERALL LENGTH | FLUTE LENGTH | PKG QTY 1 | PKG QTY 3 | PKG QTY 6 | PKG QTY 12 |
|----------|----------------|--------------|-----------|-----------|-----------|------------|
| 1/16     | 1-7/8          | 7/8          | 814700    | ---       | 814700-6  | 814700-12  |
| 5/64     | 2              | 1            | 814701    | ---       | 814701-6  | 814701-12  |
| 3/32     | 2-1/4          | 1-1/4        | 814702    | ---       | 814702-6  | 814702-12  |
| 7/64     | 2-3/8          | 1-5/16       | 814703    | ---       | 814703-6  | 814703-12  |
| 1/8      | 2-1/2          | 1-7/16       | 814704    | ---       | 814704-6  | 814704-12  |
| 9/64     | 2-5/8          | 1-9/16       | 814705    | ---       | 814705-6  | 814705-12  |
| 5/32     | 2-3/4          | 1-11/16      | 814706    | ---       | 814706-6  | 814706-12  |
| 11/64    | 2-7/8          | 1-13/16      | 814707    | ---       | 814707-6  | 814707-12  |
| 3/16     | 3              | 1-7/8        | 814708    | ---       | 814708-6  | 814708-12  |
| 13/64    | 3-1/8          | 1-15/16      | 814709    | ---       | 814709-6  | 814709-12  |
| 7/32     | 3-1/4          | 2            | 814710    | ---       | 814710-6  | 814710-12  |
| 15/64    | 3-3/8          | 2-1/16       | 814711    | ---       | 814711-6  | 814711-12  |
| 1/4      | 3-1/2          | 2            | 814712    | ---       | 814712-6  | 814712-12  |
| 17/64    | 3-5/8          | 2-1/8        | 814713    | ---       | 814713-6  | 814713-12  |
| 9/32     | 3-3/4          | 2-1/4        | 814714    | ---       | 814714-6  | 814714-12  |
| 19/64    | 3-7/8          | 2-3/8        | 814715    | ---       | 814715-6  | 814715-12  |
| 5/16     | 4              | 2-1/2        | 814716    | 814716-3  | 814716-6  | ---        |
| 21/64    | 4-1/16         | 2-9/16       | 814717    | 814717-3  | 814717-6  | ---        |
| 11/32    | 4-1/8          | 2-5/8        | 814718    | 814718-3  | 814718-6  | ---        |
| 23/64    | 4-3/16         | 2-11/16      | 814719    | 814719-3  | 814719-6  | ---        |
| 3/8      | 4-1/4          | 2-11/16      | 814720    | 814720-3  | 814720-6  | ---        |
| 25/64*   | 4-5/16         | 2-3/4        | 814721    | 814721-3  | 814721-6  | ---        |
| 13/32*   | 4-3/8          | 2-13/16      | 814722    | 814722-3  | 814722-6  | ---        |
| 27/64    | 4-7/16         | 2-7/8        | 814723    | 814723-3  | 814723-6  | ---        |
| 7/16     | 4-1/2          | 2-15/16      | 814724    | 814724-3  | 814724-6  | ---        |
| 29/64    | 4-5/8          | 3            | 814725    | 814725-3  | 814725-6  | ---        |
| 15/32    | 4-3/4          | 3-1/8        | 814726    | 814726-3  | 814726-6  | ---        |
| 31/64    | 4-7/8          | 3-1/4        | 814727    | 814727-3  | 814727-6  | ---        |
| 1/2      | 5              | 3-3/8        | 814728    | 814728-3  | 814728-6  | ---        |

\*Will fit 3/8" chuck.

Part No. 814009  
29 piece set  
Sizes: 1/16" to 1/2" by 64ths.  
packed in 12072 cabinet

**BIT HOLDER**

Holds insert bits, drill bits, nut drivers, pencils/pens, magnetic bit holders and more – on your drill!

- Slips easily on/off full sized cordless drills or impact drivers.
- Holds up to (16) 1" bits or countless combinations of other items.
- Keeps accessories handy.
- Where you need them – when you need them.



PSS042115



Part No.  
811010

Bits not included.

**ULTRA MOLY MUSCLE DRILL and DYNALLOY TWIST DRILLS****ULTRA-MOLY MUSCLE DRILL BITS - "QUICK RELEASE STYLE"**

*no center  
punch needed!*

PSS120611

*Recommended use in work  
hardening grades of stainless  
steel & other hard metal  
drill applications.*

- Body & clearance are treated for maximum lubricity.
- Especially designed for hand held drills.
- Quick release eases changing of cutting tools.

**1/4" MECHANIC LENGTH HEX SHANK****POCKET/BELT POUCH**

Part No. 826201

Contains sizes: 1/16" to 1/4"

7 pieces • 7 items • soft pouch

826211 826213 826215 826217  
826212 826214 826216

Numbers in assortment

**Part No. 826202**

Quick Release adapter included

Contains sizes: 1/16" to 1/2"

12 pieces • 12 items • hard plastic case

826210 826213 826216 826221  
826211 826214 826217 826223  
826212 826215 826219 826225

Numbers in assortment

| DIAMETER | OVERALL LENGTH | PKG QTY 1     | PKG QTY 6       |
|----------|----------------|---------------|-----------------|
| 1/16     | 2-5/8          | <b>826211</b> | <b>826211-6</b> |
| 3/32     | 3-1/4          | <b>826212</b> | <b>826212-6</b> |
| 1/8      | 3-1/2          | <b>826213</b> | <b>826213-6</b> |
| 5/32     | 3-1/2          | <b>826214</b> | <b>826214-6</b> |
| 3/16     | 3-3/4          | <b>826215</b> | <b>826215-6</b> |
| 7/32     | 4              | <b>826216</b> | <b>826216-6</b> |
| 1/4      | 4-1/4          | <b>826217</b> | <b>826217-6</b> |
| 9/32     | 3-13/16        | <b>826218</b> | <b>826218-6</b> |
| 5/16     | 4              | <b>826219</b> | <b>826219-6</b> |
| 11/32    | 4-7/32         | <b>826220</b> | <b>826220-6</b> |
| 3/8      | 4-1/4          | <b>826221</b> | <b>826221-6</b> |
| 13/32    | 4-1/2          | <b>826222</b> | <b>826222-6</b> |
| 7/16     | 4-1/2          | <b>826223</b> | <b>826223-6</b> |
| 15/32    | 4-7/8          | <b>826224</b> | <b>826224-6</b> |
| 1/2      | 5              | <b>826225</b> | <b>826225-6</b> |

**Part No. 826210**  
Quick Release Adapter

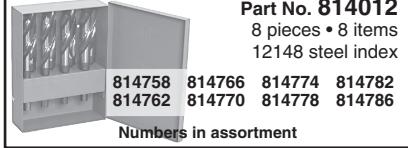
**DYNALLOY POSI-GRIP DRILLS (3/8" REDUCED SHANK)**

- 3 flats on shank prevent drill/chuck slippage.
- Maintenance/mechanics length-decreases breakage potential.

| DYNALLOY POSI-GRIP DRILLS - 3/8 REDUCED SHANK 814011 |        |       |        |
|--|--------|-------|--------|
| SIZE   | NUMBER | SIZE  | NUMBER |
| 21/32  | 814729 | 13/16 | 814731 |
| 25/32  | 814730 | 15/16 | 814732 |
| 31/32  | 814731 | 17/16 | 814733 |
| 1/2  | 814732 | 19/16 | 814734 |

Numbers in assortment

| DIAMETER | PART NUMBER   | OVERALL LENGTH | FLUTE LENGTH |
|----------|---------------|----------------|--------------|
| 27/64    | <b>814729</b> | 4-7/16         | 2-7/8        |
| 7/16     | <b>814730</b> | 4-1/2          | 2-15/16      |
| 29/64    | <b>814731</b> | 4-5/8          | 3            |
| 15/32    | <b>814732</b> | 4-3/4          | 3-1/8        |
| 31/64    | <b>814733</b> | 4-7/8          | 3-1/4        |
| 1/2      | <b>814734</b> | 5              | 3-3/8        |

**DYNALLOY POSI-GRIP DRILLS (1/2" REDUCED SHANK - S & D DRILLS)**

Part No. 814012

8 pieces • 8 items  
12148 steel index814758 814766 814774 814782  
814762 814770 814778 814786

Numbers in assortment

| DIAMETER | PART NUMBER   |
|----------|---------------|----------|---------------|----------|---------------|----------|---------------|
| 33/64    | <b>814755</b> | 11/16    | <b>814766</b> | 55/64    | <b>814777</b> | 1-1/16   | <b>814788</b> |
| 17/32    | <b>814756</b> | 45/64    | <b>814767</b> | 7/8      | <b>814778</b> | 1-3/32   | <b>814789</b> |
| 35/64    | <b>814757</b> | 23/32    | <b>814768</b> | 57/64    | <b>814779</b> | 1-1/8    | <b>814790</b> |
| 9/16     | <b>814758</b> | 47/64    | <b>814769</b> | 29/32    | <b>814780</b> | 1-5/32   | <b>814791</b> |
| 37/64    | <b>814759</b> | 3/4      | <b>814770</b> | 59/64    | <b>814781</b> | 1-3/16   | <b>814792</b> |
| 19/32    | <b>814760</b> | 49/64    | <b>814771</b> | 15/16    | <b>814782</b> | 1-7/32   | <b>814793</b> |
| 39/64    | <b>814761</b> | 25/32    | <b>814772</b> | 61/64    | <b>814783</b> | 1-1/4    | <b>814794</b> |
| 5/8      | <b>814762</b> | 51/64    | <b>814773</b> | 31/32    | <b>814784</b> | 1-5/16   | <b>814795</b> |
| 41/64    | <b>814763</b> | 13/16    | <b>814774</b> | 63/64    | <b>814785</b> | 1-3/8    | <b>814796</b> |
| 21/32    | <b>814764</b> | 53/64    | <b>814775</b> | 1        | <b>814786</b> | 1-7/16   | <b>814797</b> |
| 43/64    | <b>814765</b> | 27/32    | <b>814776</b> | 1-1/32   | <b>814787</b> | 1-1/2    | <b>814798</b> |

# LEFT HAND TWIST DRILLS, E-Z and HSS STEP REAMERS

## LEFT HAND\* DYNALLOY TWIST DRILLS

- Left hand rotation helps loosen screw and provide firm bite for extractor.
- Loose broken studs & bolts will often unscrew while using left hand drill.
- High speed alloy steel with 118° point.

- Ideal for use with screw extractors.
- Polished flutes - improved chip removal.
- Straight shank - jobber length.

| PART NUMBER | DIA  | DEC. EQUIV. | OVERALL LENGTH | FLUTE LENGTH | QTY |
|-------------|------|-------------|----------------|--------------|-----|
| 813790      | 1/16 | .0625       | 1-7/8          | 7/8          | 1   |
| 813791      | 3/32 | .0937       | 2-1/4          | 1-1/4        | 1   |
| 813631      | 1/8  | .1250       | 2-3/4          | 1-5/8        | 3   |
| 813632      | 5/32 | .1562       | 3-1/8          | 2            | 3   |
| 813633      | 3/16 | .1875       | 3-1/2          | 2-5/16       | 3   |
| 813634      | 7/32 | .2188       | 3-3/4          | 2-1/2        | 3   |
| 813635      | 1/4  | .2500       | 4              | 2-3/4        | 3   |
| 813792      | 9/32 | .2812       | 4-1/4          | 2-15/16      | 1   |

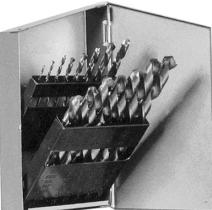
| PART NUMBER | DIA   | DEC. EQUIV. | OVERALL LENGTH | FLUTE LENGTH | QTY |
|-------------|-------|-------------|----------------|--------------|-----|
| 813636      | 5/16  | .3125       | 4-1/2          | 3-3/16       | 3   |
| 813793      | 11/32 | .3437       | 4-3/4          | 3-7/16       | 1   |
| 813637      | 3/8   | .3750       | 5              | 3-5/8        | 3   |
| 813794      | 13/32 | .4062       | 5-1/4          | 3-7/8        | 1   |
| 813795      | 7/16  | .4375       | 5-1/2          | 4-1/16       | 1   |
| 813796      | 15/32 | .4687       | 5-3/4          | 4-5/16       | 1   |
| 813797      | 1/2   | .5000       | 6              | 4-1/2        | 1   |

\* These drills must be used with a reversible drill turning in the proper direction.

**813015**

7 piece set

Includes 1/8",  
5/32", 3/16", 7/32",  
1/4", 5/16", 3/8"  
Packed in  
12096 Index



**813045**

15 piece set

All sizes included  
Packed in  
12096 Index

## DYNALLOY E-Z REAMER

- Spring Hangers.
- Weighted bumper mounting on cranes.
- Installing teeth on front end of loader buckets.

- Tool box, accessory, fuel tank, 5th wheel & tow hook mounting.
- Enlarging spring center bolt holes.
- Enlarging misaligned holes.



Outperforms Ordinary Reamers 10 to 1

### FEATURES / BENEFITS

- Specially developed to produce new holes or enlarge existing holes.
- Drill truck frames in minutes instead of hours. Specially engineered incline plane makes the difference.
- Use heavy duty 1/2" or larger drill with at least 4.5 amps, best results obtained if motor is 6 to 15 amps. High amps provide constant torque with even speed.
- Tougher alloy steel increases tool life.
- SAFER - Mechanics are convinced problems - NON-EXISTENT with the Dynalloy E-Z Reamer. Tool Guard Collar protects tool and drill.
- EASIER - Any mechanic can operate the Dynalloy E-Z Reamer. Because less effort or pressure is required.

**814015**

3 piece set

Includes 1/2",  
5/8", 3/4"

Sturdy Plastic Case



**814016**

4 piece set

Includes 3/8", 1/2",  
5/8", 3/4"

Sturdy Plastic Case

PSS102513

| PART NUMBER | DIAMETER | OVERALL LENGTH | TAPER LEAD | SHANK LENGTH | SHANK DIAMETER | FLUTE LENGTH | FLUTES | HELIX ANGLE | COLLAR DIAMETER | COLLAR THICKNESS |
|-------------|----------|----------------|------------|--------------|----------------|--------------|--------|-------------|-----------------|------------------|
| 113140      | 3/8      | 4-3/4          | 8°         | 1-1/2        | 1/2            | 3-1/4        | 4      | 20°         | 1/2             | 5/16             |
| 113141      | 7/16     | 4-3/4          | 8°         | 1-1/2        | 1/2            | 3-1/4        | 4      | 20°         | 9/16            | 5/16             |
| 113151      | 1/2      | 5-3/4          | 8°         | 1-1/2        | 1/2            | 3-3/8        | 5      | 20°         | 5/8             | 5/16             |
| 113142      | 9/16     | 5-3/4          | 8°         | 1-1/2        | 1/2            | 3-3/8        | 5      | 20°         | 11/16           | 5/16             |
| 113152      | 5/8      | 6-3/16         | 8°         | 1-1/2        | 1/2            | 3-7/8        | 5      | 20°         | 3/4             | 5/16             |
| 113153      | 3/4      | 6-3/4          | 8°         | 1-1/2        | 1/2            | 4-1/4        | 5      | 20°         | 7/8             | 5/16             |
| 113143      | 7/8      | 7-1/8          | 8°         | 1-1/2        | 1/2            | 4-7/8        | 5      | 20°         | 1               | 5/16             |
| 113144      | 1        | 7-3/16         | 8°         | 1-1/2        | 1/2            | 4-3/4        | 5      | 20°         | 1-1/8           | 5/16             |

Part No. 814014

8 pieces • 8 items  
12116 steel tray

113140 114144  
113141 113151  
113142 113152  
113143 113153

Numbers in assortment

## HSS STEP REAMERS

### 3-FLATS ON SHANK

- 90° notch point starts holes easily.
- Accurately starts, enlarge and deburrs in holes in material up to 1/2" thick.
- Each reamer has five hole enlargement steps.

### GOLD OXIDE (78-GR)



Gold Oxide - low temperature stress relief that enhances lubricity, reduces friction and increases toughness.

| 78-GR<br>GOLD OXIDE | PART NUMBER | HOLE SIZES | RANGE        | SHANK SIZES | STEP THICKNESS |
|---------------------|-------------|------------|--------------|-------------|----------------|
|                     | 813236      | 5          | 5/16-9/16    | 3/8         | 1/2            |
|                     | 813237      | 5          | 9/16-13/16   | 3/8         | 1/2            |
|                     | 813238      | 5          | 13/16-1-1/16 | 3/8         | 1/2            |

### 3PC SET AVAILABLE

813239

Includes:

813236, 813237, 813238  
Drill Range: 5/16-1-1/16  
Sturdy Plastic Case



### ZIRCONIUM NITRIDE (78-ZNR)



Zirconium Nitride - cutting machining aluminum magnesium, titanium alloys. Increased lubricity.

| 78-ZNR<br>ZIRCONIUM | PART NUMBER | HOLE SIZES | RANGE        | SHANK SIZES | STEP THICKNESS |
|---------------------|-------------|------------|--------------|-------------|----------------|
|                     | 813057      | 5          | 5/16-9/16    | 3/8         | 1/2            |
|                     | 813058      | 5          | 9/16-13/16   | 3/8         | 1/2            |
|                     | 813059      | 5          | 13/16-1-1/16 | 3/8         | 1/2            |

### 3PC SET AVAILABLE

813060

Includes:

813057, 813058, 813059  
Drill Range: 5/16-1-1/16  
Sturdy Plastic Case



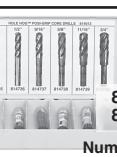
# SPECIALTY DRILLS

## HOLE HOG™ POSI-GRIP CORE DRILLS

Enlarges existing holes by as much as 160%.

PSS102716.814735-740

- Made from hi-molybdenum tool steel.
- Gold surface treated body for maximum lubricity.
- 3 flats on 1/2" diameter reduced shank - prevents drill/chuck slippage.
- 4 flute design.



Part No. 814013

6 pieces • 6 items  
12080 plastic tray

814735 814737 814739  
814736 814738 814740

Numbers in assortment

- Special design point prevents catching and hogging-in when used on thinner materials such as truck frames.

- 10 times longer life in truck frame drilling than standard silver and deming drills.

| DIAMETER | PART NUMBER   | MINIMUM STARTING HOLE SIZE | OVERALL LENGTH | FLUTE LENGTH |
|----------|---------------|----------------------------|----------------|--------------|
| 3/8*     | <b>814735</b> | 1/4                        | 4-5/16         | 1-7/8        |
| 1/2      | <b>814736</b> | 5/16                       | 4-5/16         | 1-7/8        |
| 9/16     | <b>814737</b> | 3/8                        | 4-5/16         | 1-7/8        |
| 5/8      | <b>814738</b> | 25/64                      | 4-5/16         | 1-7/8        |
| 11/16    | <b>814739</b> | 7/16                       | 4-5/16         | 1-7/8        |
| 3/4      | <b>814740</b> | 15/32                      | 4-5/16         | 1-7/8        |

\* has a 3/8 diameter shank

## ROTARY SAW BITS

- Used for drywall cutouts.
- High speed steel, parabolic triple flute.
- 1/4" sizes, fits 1/4" chuck on standard routers.
- Saves time and money.  
Use 1 instead of 10 ordinary drills.

- Short size 1/4" drill has 3/16" flute for close cuts around outlet boxes.
- Long size 1/4" ideal for doors and windows.
- #32 size has thicker core to reduce breakage.
- Replaces Zip® bits.



| DIAMETER   | PART NUMBER   | OVERALL LENGTH |
|------------|---------------|----------------|
| #32        | <b>814752</b> | 2-1/4          |
| 1/4 x 3/16 | <b>814753</b> | 2-1/2          |
| 1/4        | <b>814754</b> | 4              |

## WELDOUT™ SPOTWELD DRILLS

Designed to effectively cut auto body panel spot welds.

| DRILL DIA MM | PART NUMBER   | APPROX SPOTWELD SIZE, INCHES | OVERALL LENGTH INCHES | FLAT LENGTH INCHES |
|--------------|---------------|------------------------------|-----------------------|--------------------|
| 6.5          | <b>814741</b> | 1/4                          | 1-9/16                | .44                |
| 6.5          | <b>814743</b> | 1/4                          | 1-3/4                 | None               |
| 6.5*         | <b>814744</b> | 1/4                          | 3-5/8                 | None               |
| 8.0          | <b>814745</b> | 5/16                         | 1-9/16                | .44                |
| 8.0          | <b>814746</b> | 5/16                         | 1-29/64               | .44                |
| 8.0          | <b>814747</b> | 5/16                         | 1-11/16               | .75                |
| 8.0          | <b>814748</b> | 5/16                         | 1-3/4                 | None               |
| 8.0*         | <b>814749</b> | 5/16                         | 3-5/8                 | None               |
| 10.0         | <b>814750</b> | 3/8                          | 1-3/4                 | None               |
| 10.0*        | <b>814751</b> | 3/8                          | 3-5/8                 | None               |

\*twin end

PSS110717.814741-751.799

- Cobalt high speed steel, more abrasion resistant.
- Spur point designed to cut through the weld on one panel while leaving second panel free of holes.
- Long wearing cutting edges.
- Sizes without flats are for use in standard air powered drill motors.



Part No. 814799

6 piece set

Includes 6.5mm, 6.5mm TE\*,  
8.0mm, 8.0mmTE\*,  
10.0mm, 10.0mm TE\*

## GLASS & TILE DRILLS

Cuts glass, tile, porcelain & ceramic.



PSS080319

- Industrial quality.
- High temp. brazed carbide spear point.
- Tool steel body and straight shank.
- Recommended (300 RPM - 600 RPM).

| SIZE | PART NUMBER   | FLUTE LENGTH | OVERALL LENGTH |
|------|---------------|--------------|----------------|
| 1/8  | <b>814630</b> | 7/64         | 2-1/2          |
| 3/16 | <b>814631</b> | 5/32         | 2-1/2          |
| 1/4  | <b>814632</b> | 7/32         | 2-1/2          |
| 5/16 | <b>814633</b> | 1/4          | 2-3/4          |
| 3/8  | <b>814634</b> | 5/16         | 3-1/8          |
| 1/2  | <b>814635</b> | 7/16         | 3-1/2          |

## CARBIDE SPOTWELD DRILLS

Carbide ALTiN coated spotweld drills.



- Designed to cut spotwelds from Boron Steel.
- Use in high temperature operations and difficult to machine material. ALTiN coating improves lubricity, reduces chip weld & can be operated at 30% faster feeds and speeds.
- Recommended (900 RPM - 1,000 RPM).

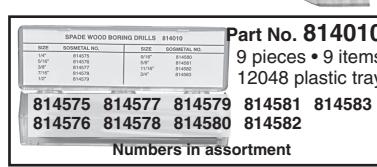
| DRILL DIA MM                         | PART NUMBER   | APPROX SPOTWELD SIZE, INCHES | OVERALL LENGTH INCHES | FLAT LENGTH INCHES |
|--------------------------------------|---------------|------------------------------|-----------------------|--------------------|
| 8.0                                  | <b>814960</b> | 5/16                         | 2                     | None               |
| <b>TYPE 187-B WITH FLAT ON SHANK</b> |               |                              |                       |                    |
| 8.0                                  | <b>814961</b> | 5/16                         | 1-3/4                 | .750               |

PSS101614

## SPADE WOOD BORING DRILLS

| SIZE | PART NUMBER   | SIZE  | PART NUMBER   | SIZE  | PART NUMBER   |
|------|---------------|-------|---------------|-------|---------------|
| 1/4  | <b>814575</b> | 5/8   | <b>814581</b> | 1     | <b>814587</b> |
| 5/16 | <b>814576</b> | 11/16 | <b>814582</b> | 1-1/8 | <b>814588</b> |
| 3/8  | <b>814577</b> | 3/4   | <b>814583</b> | 1-1/4 | <b>814589</b> |
| 7/16 | <b>814578</b> | 13/16 | <b>814584</b> | 1-3/8 | <b>814590</b> |
| 1/2  | <b>814579</b> | 7/8   | <b>814585</b> | 1-1/2 | <b>814591</b> |
| 9/16 | <b>814580</b> | 15/16 | <b>814586</b> |       |               |

- 1/4" shank diameter, 6" long.
- Built-in hole for pulling wires back.
- Faster, smoother cuts with precision ground spur and cutting edges.



Part No. 814010

9 pieces • 9 items

12048 plastic tray

814575 814577 814579 814581 814583

814576 814578 814580 814582

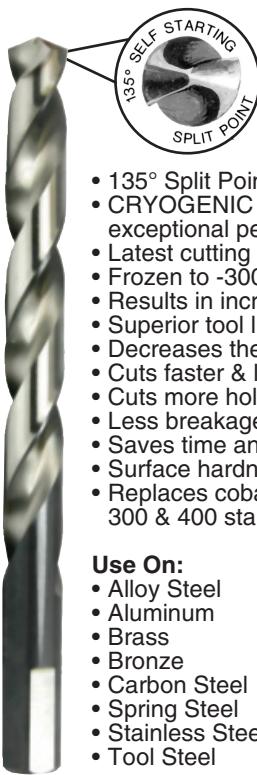
Numbers in assortment

# CRYOGENIC HSS HEAVY-DUTY CN-TECH DRILLS

## CRYOGENIC HSS HEAVY-DUTY CN-TECH™ DRILLS

*These are the next generation of uncoated HSS drilling tools.*

*Cryogenic & Nitride treatments are not coatings but a process to improve tool life.*



no center  
punch needed!  
**JOBBER LENGTH**

- 135° Split Point - for faster starting.
- CRYOGENIC DRILLS equal exceptional performance.
- Latest cutting edge technology.
- Frozen to -300°F for 48 hours.
- Results in increased torsion strength.
- Superior tool life.
- Decreases the chance of bit shearing.
- Cuts faster & longer.
- Cuts more holes smoothly.
- Less breakage & chipping.
- Saves time and money.
- Surface hardness 70 Rockwell C.
- Replaces cobalt drill when drilling 300 & 400 stainless steel.

### Use On:

- Alloy Steel
- Aluminum
- Brass
- Bronze
- Carbon Steel
- Spring Steel
- Stainless Steel
- Tool Steel

PSS031218



**Part No. 826226**  
13 piece set

Sizes: 1/16" to 1/4" by 64ths.  
Red Metal index not available separately.



**Part No. 826227**

15 piece set  
Sizes: 1/16" to 1/2" by 32nds.  
Red Metal index not available separately.



**Part No. 826229**  
29 piece set

Sizes: 1/16" to 1/2" by 64ths.  
Red Metal index not available separately.

**Type 190-CN**  
Nitride process case hardening resulting in superior tool life and exceptional corrosion resistance.

| DIAMETER | OVERALL LENGTH | FLUTE LENGTH | PKG QTY 1 | PKG QTY 6 | PKG QTY 12 |
|----------|----------------|--------------|-----------|-----------|------------|
| 1/16     | 1-7/8          | 7/8          | 826231    | ---       | 826231-12  |
| 5/64     | 2              | 1            | 826232    | ---       | 826232-12  |
| 3/32     | 2-1/4          | 1-1/4        | 826233    | ---       | 826233-12  |
| 7/64     | 2-5/8          | 1-1/2        | 826234    | ---       | 826234-12  |
| 1/8      | 2-3/4          | 1-5/8        | 826235    | ---       | 826235-12  |
| 9/64     | 2-7/8          | 1-3/4        | 826236    | ---       | 826236-12  |
| 5/32     | 3-1/8          | 2            | 826237    | ---       | 826237-12  |
| 11/64    | 3-1/4          | 2-1/8        | 826238    | ---       | 826238-12  |
| 3/16     | 3-1/2          | 2-5/16       | 826239    | ---       | 826239-12  |
| 13/64    | 3-5/8          | 2-7/16       | 826240    | ---       | 826240-12  |
| 7/32     | 3-3/4          | 2-1/2        | 826241    | ---       | 826241-12  |
| 15/64    | 3-7/8          | 2-5/8        | 826242    | ---       | 826242-12  |
| 1/4      | 4              | 2-3/4        | 826243    | ---       | 826243-12  |
| 17/64    | 4-1/8          | 2-7/8        | 826244    | ---       | 826244-12  |
| 9/32     | 4-1/4          | 2-15/16      | 826245    | ---       | 826245-12  |
| 19/64    | 4-3/8          | 3-1/16       | 826246    | 826246-6  | ---        |
| 5/16     | 4-1/2          | 3-3/16       | 826247    | 826247-6  | ---        |
| 21/64    | 4-5/8          | 3-5/16       | 826248    | 826248-6  | ---        |
| 11/32    | 4-3/4          | 3-7/16       | 826249    | 826249-6  | ---        |
| 23/64    | 4-7/8          | 3-1/2        | 826250    | 826250-6  | ---        |
| 3/8      | 5              | 3-5/8        | 826251    | 826251-6  | ---        |
| 25/64    | 5-1/8          | 3-3/4        | 826252    | 826252-6  | ---        |
| 13/32    | 5-1/4          | 3-7/8        | 826253    | 826253-6  | ---        |
| 27/64    | 5-3/8          | 3-15/16      | 826254    | 826254-6  | ---        |
| 7/16     | 5-1/2          | 4-1/16       | 826255    | 826255-6  | ---        |
| 29/64    | 5-5/8          | 4-3/16       | 826256    | 826256-6  | ---        |
| 15/32    | 5-3/4          | 4-5/16       | 826257    | 826257-6  | ---        |
| 31/64    | 5-7/8          | 4-3/8        | 826258    | 826258-6  | ---        |
| 1/2      | 6              | 4-1/2        | 826259    | 826259-6  | ---        |

Red rugged  
holder not  
available  
separately.



**Part No. 826228**

15 piece set  
Sizes: 1/16" to 1/2" by 32nds.  
Weather Tight, Waterproof  
Indestructible Plastic Holder:  
3-1/8" W x 6-1/2" H

Red rugged  
holder not  
available  
separately.



**Part No. 826230**

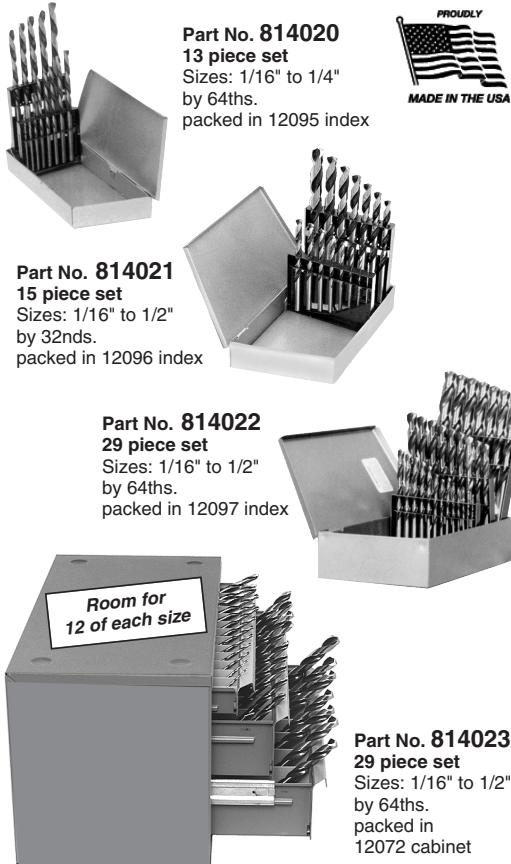
29 piece set  
Sizes: 1/16" to 1/2" by 64ths.  
Weather Tight, Waterproof  
Indestructible Plastic Holder:  
3-1/8" W x 6-1/2" H

# COBALT HEAVY DUTY and UNIBIT STEP DRILLS

## COBALT HEAVY DUTY DRILLS

Used for drilling holes in hard, tough materials such as stainless steel, titanium, high temperature & high strength alloys.

### Cobalt M-42 with gold finish



### 135° Split Point for faster starting.



- Heavy duty construction made to Type J air craft specifications.
- High red hardness of cobalt permits speeds 30% greater than high speed steel drills.

| DIAMETER | OVERALL LENGTH | FLUTE LENGTH | PKG QTY 1     | PKG QTY 3       | PKG QTY 6       | PKG QTY 12       |
|----------|----------------|--------------|---------------|-----------------|-----------------|------------------|
| 1/16     | 1-7/8          | 7/8          | <b>814200</b> |                 | <b>814200-6</b> | <b>814200-12</b> |
| 5/64     | 2              | 1            | <b>814201</b> |                 | <b>814201-6</b> | <b>814201-12</b> |
| 3/32     | 2-1/4          | 1-1/4        | <b>814202</b> |                 | <b>814202-6</b> | <b>814202-12</b> |
| 7/64     | 2-5/8          | 1-1/2        | <b>814203</b> |                 | <b>814203-6</b> | <b>814203-12</b> |
| 1/8      | 2-3/4          | 1-5/8        | <b>814204</b> |                 | <b>814204-6</b> | <b>814204-12</b> |
| 9/64     | 2-7/8          | 1-3/4        | <b>814205</b> |                 | <b>814205-6</b> | <b>814205-12</b> |
| 5/32     | 3-1/8          | 2            | <b>814206</b> |                 | <b>814206-6</b> | <b>814206-12</b> |
| 11/64    | 3-1/4          | 2-1/8        | <b>814207</b> |                 | <b>814207-6</b> | <b>814207-12</b> |
| 3/16     | 3-1/2          | 2-5/16       | <b>814208</b> |                 | <b>814208-6</b> | <b>814208-12</b> |
| 13/64    | 3-5/8          | 2-7/16       | <b>814209</b> |                 | <b>814209-6</b> | <b>814209-12</b> |
| 7/32     | 3-3/4          | 2-1/2        | <b>814210</b> |                 | <b>814210-6</b> | <b>814210-12</b> |
| 15/64    | 3-7/8          | 2-5/8        | <b>814211</b> |                 | <b>814211-6</b> | <b>814211-12</b> |
| 1/4      | 4              | 2-3/4        | <b>814212</b> |                 | <b>814212-6</b> | <b>814212-12</b> |
| 17/64    | 4-1/8          | 2-7/8        | <b>814213</b> |                 | <b>814213-6</b> | <b>814213-12</b> |
| 9/32     | 4-1/4          | 2-15/16      | <b>814214</b> |                 | <b>814214-6</b> | <b>814214-12</b> |
| 19/64    | 4-3/8          | 3-1/16       | <b>814215</b> |                 | <b>814215-6</b> | <b>814215-12</b> |
| 5/16     | 4-1/2          | 3-3/16       | <b>814216</b> | <b>814216-3</b> | <b>814216-6</b> |                  |
| 21/64    | 4-5/8          | 3-5/16       | <b>814217</b> | <b>814217-3</b> | <b>814217-6</b> |                  |
| 11/32    | 4-3/4          | 3-7/16       | <b>814218</b> | <b>814218-3</b> | <b>814218-6</b> |                  |
| 23/64    | 4-7/8          | 3-1/2        | <b>814219</b> | <b>814219-3</b> | <b>814219-6</b> |                  |
| 3/8      | 5              | 3-5/8        | <b>814220</b> | <b>814220-3</b> | <b>814220-6</b> |                  |
| 25/64    | 5-1/8          | 3-3/4        | <b>814221</b> | <b>814221-3</b> | <b>814221-6</b> |                  |
| 13/32    | 5-1/4          | 3-7/8        | <b>814222</b> | <b>814222-3</b> | <b>814222-6</b> |                  |
| 27/64    | 5-3/8          | 3-15/16      | <b>814223</b> | <b>814223-3</b> | <b>814223-6</b> |                  |
| 7/16     | 5-1/2          | 4-1/16       | <b>814224</b> | <b>814224-3</b> | <b>814224-6</b> |                  |
| 29/64    | 5-5/8          | 4-3/16       | <b>814225</b> | <b>814225-3</b> | <b>814225-6</b> |                  |
| 15/32    | 5-3/4          | 4-5/16       | <b>814226</b> | <b>814226-3</b> | <b>814226-6</b> |                  |
| 31/64    | 5-7/8          | 4-3/8        | <b>814227</b> | <b>814227-3</b> | <b>814227-6</b> |                  |
| 1/2      | 6              | 4-1/2        | <b>814228</b> | <b>814228-3</b> | <b>814228-6</b> |                  |

## UNIBIT STEP DRILLS

### – Two Styles Available –

**Multi-Hole Style:** Incorporates specially designed cutting steps, of progressively larger diameters, making it possible to drill up to as many as thirteen different hole sizes with a single bit.

**Single Hole Style:** Allows you to drill 3/8" or 1/2" diameter holes in tight confined areas, with little effort. Works in spots regular length drill bits won't fit.

- Enlarges holes quickly and efficiently.
- Produces smooth, rounded holes - automatic deburring action.
- Saves TIME & MONEY!

- Self-Starting tip.
- No “skidding” of bit. No need to center punch metal.
- Perfect hole sizing, time after time.

| PART NUMBER                           | ILLUSTRATION | SELF-STARTING BIT DESIGN | MAX. MAT. THICKNESS (INCHES) | HOLE DIA.                         | SHANK SIZE (INCHES) | NO. OF DIA. ON BIT | DRILLING APPLICATIONS   |
|---------------------------------------|--------------|--------------------------|------------------------------|-----------------------------------|---------------------|--------------------|---|
| <b>813640</b><br>MULTI-HOLE           |              | Yes                      | 1/8                          | 1/8 to 1/2<br>1/32<br>Increments  | 1/4                 | 13                 | All around drilling of steel, fiberglass, plastic and aluminum.                       |
| <b>813642</b><br>MULTI-HOLE           |              | Yes                      | 3/8                          | 3/16 to 1/2<br>1/16<br>Increments | 1/4                 | 6                  | All around drilling of steel, fiberglass, plastic and aluminum.                       |
| <b>813643</b><br>MULTI-HOLE           |              | Yes                      | 1/8                          | 1/4 to 3/4<br>1/16<br>Increments  | 3/8                 | 9                  | All around drilling of steel, fiberglass, plastic and aluminum.                       |
| <b>813644</b><br>SINGLE-HOLE          |              | Yes                      | N/A                          | 1/2                               | 1/4                 | 1                  | Rust proofing, drilling frames for pulling attachments & trailer hitch installations. |
| <b>813645</b><br>SINGLE-HOLE          |              | Yes                      | N/A                          | 3/8                               | 1/4                 | 1                  | Rust proofing, drilling frames for pulling attachments & trailer hitch installations. |
| <b>813646</b><br>METRIC<br>MULTI-HOLE |              | Yes                      | 3/16                         | 4mm to 12mm                       | 1/4                 | 9                  | All around drilling of steel, fiberglass, plastic and aluminum.                       |
| <b>813647</b><br>METRIC<br>MULTI-HOLE |              | Yes                      | 3/16                         | 6mm to 18mm                       | 3/8                 | 7                  | All around drilling of steel, fiberglass, plastic and aluminum.                       |



Greatly simplifies auto accessory installations. Ideal for rust proofing applications.



Sure starts even on curved surfaces. Cuts quickly through dense metal.

# VORTEX-POINT™ DRILL BITS

## VORTEX-POINT™ DRILL BITS

*Designed for demanding maintenance and portable drilling functions in various grades of hard steel, sheet metal, brass and acrylic applications.*



no center  
punch needed!

- Ideal for hard steel, sheet metal, brass and acrylics.
- Easily enlarges existing holes without damaging the point.
- Unique tip geometry reduces heat generation & cutting tool wear.
- Runs cooler and cuts easier.
- Surface treatment provides maximum lubricity & reduces friction.
- Made of Hi-Molybdenum tool steel.
- Accurate starting from split point design.
- Self-centering, no center punch needed.
- Precision ground point, flutes, body & clearance.
- Provides the ultimate in accuracy & performance.

### MECHANICS LENGTH *Shorter sturdier construction*

3 Flats on 3/16" and larger shank give positive chuck-grip, and virtually eliminates drill/chuck slippage.



Part No. 811100

13 piece set

Sizes: 1/16" to 1/4" by 64ths.



Part No. 811103

29 piece set

Sizes: 1/16" to 1/2" by 64ths.



Part No. 811101

15 piece set

Sizes: 1/16" to 1/2" by 32nds.



**VORTEX-POINT™**

Step drill design



Split-point design  
gives accurate starting



ADV012021

| DIAMETER | OVERALL LENGTH | FLUTE LENGTH | PKG QTY 1 | PKG QTY 3 | PKG QTY 6 | PKG QTY 12 |
|----------|----------------|--------------|-----------|-----------|-----------|------------|
| 1/16     | 1-7/8          | 7/8          | 811105    | 811105-3  | 811105-6  | 811105-12  |
| 5/64     | 2              | 1            | 811106    | 811106-3  | 811106-6  | 811106-12  |
| 3/32     | 2-1/4          | 1-1/4        | 811107    | 811107-3  | 811107-6  | 811107-12  |
| 7/64     | 2-3/8          | 1-5/16       | 811108    | 811108-3  | 811108-6  | 811108-12  |
| 1/8      | 2-1/2          | 1-7/16       | 811109    | 811109-3  | 811109-6  | 811109-12  |
| 9/64     | 2-5/8          | 1-9/16       | 811110    | 811110-3  | 811110-6  | 811110-12  |
| 5/32     | 2-3/4          | 1-11/16      | 811111    | 811111-3  | 811111-6  | 811111-12  |
| 11/64    | 2-7/8          | 1-13/16      | 811112    | 811112-3  | 811112-6  | 811112-12  |
| 3/16     | 3              | 1-7/8        | 811113    | 811113-3  | 811113-6  | 811113-12  |
| 13/64    | 3-1/8          | 1-15/16      | 811114    | 811114-3  | 811114-6  | 811114-12  |
| 7/32     | 3-1/4          | 2            | 811115    | 811115-3  | 811115-6  | 811115-12  |
| 15/64    | 3-3/8          | 2-1/16       | 811116    | 811116-3  | 811116-6  | 811116-12  |
| 1/4      | 3-1/2          | 2            | 811117    | 811117-3  | 811117-6  | 811117-12  |
| 17/64    | 3-5/8          | 2-1/8        | 811118    | 811118-3  | 811118-6  | 811118-12  |
| 9/32     | 3-3/4          | 2-1/4        | 811119    | 811119-3  | 811119-6  | 811119-12  |
| 19/64    | 3-7/8          | 2-3/8        | 811120    | 811120-3  | 811120-6  | 811120-12  |
| 5/16     | 4              | 2-1/2        | 811121    | 811121-3  | 811121-6  | 811121-12  |
| 21/64    | 4-1/16         | 2-9/16       | 811122    | 811122-3  | 811122-6  | 811122-12  |
| 11/32    | 4-1/8          | 2-5/8        | 811123    | 811123-3  | 811123-6  | 811123-12  |
| 23/64    | 4-3/16         | 2-11/16      | 811124    | 811124-3  | 811124-6  | 811124-12  |
| 3/8      | 4-1/4          | 2-11/16      | 811125    | 811125-3  | 811125-6  | 811125-12  |
| 25/64    | 4-5/16         | 2-3/4        | 811126    | 811126-3  | 811126-6  | 811126-12  |
| 13/32    | 4-3/8          | 2-13/16      | 811127    | 811127-3  | 811127-6  | 811127-12  |
| 27/64    | 4-7/16         | 2-7/8        | 811128    | 811128-3  | 811128-6  | 811128-12  |
| 7/16     | 4-1/2          | 2-15/16      | 811129    | 811129-3  | 811129-6  | 811129-12  |
| 29/64    | 4-5/8          | 3            | 811130    | 811130-3  | 811130-6  | 811130-12  |
| 15/32    | 4-3/4          | 3-1/8        | 811131    | 811131-3  | 811131-6  | 811131-12  |
| 31/64    | 4-7/8          | 3-1/4        | 811132    | 811132-3  | 811132-6  | 811132-12  |
| 1/2      | 5              | 3-3/8        | 811133    | 811133-3  | 811133-6  | 811133-12  |

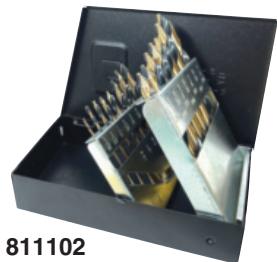
Holder not available separately.



Part No. 811104

29 piece set

Sizes: 1/16" to 1/2" by 64ths.  
Weather Tight, Waterproof  
Indestructible Plastic Holder:  
3-1/8" W x 6-1/2" H



Part No. 811102

21 piece set

Sizes: 1/16" to 3/8" by 64ths.

## BIT HOLDER

Holds insert bits, drill bits, nut drivers, pencils/pens, magnetic bit holders and more – on your drill!

- Slips easily on/off full sized cordless drills or impact drivers.
- Holds up to (16) 1" bits or countless combinations of other items.
- Keeps accessories handy.
- Where you need them – when you need them.



PSS042115



Part No.  
811010

Bits not included.

**STEP DRILLS, TAPS and DIES****ULTRA-MOLY MUSCLE STEP DRILL BITS - "QUICK RELEASE STYLE"**

M2 Steel - Gold Oxide Coating



- Use for all thin metals, rigid plastics, wood or composite materials with a thickness equal to or less than the step thickness.
- Quick release shank eases changing of cutting tools.

PSS072014



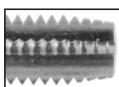
| PART NUMBER   | HOLE SIZE  | NO. OF SIZES | STEP RANGE | STEP INCREMENTS | THICKNESS |
|---------------|------------|--------------|------------|-----------------|-----------|
| <b>813671</b> | 1/8 - 1/2  | 13           | 1/8 - 1/2  | 1/32            | 1/8       |
| <b>813672</b> | 3/16 - 1/2 | 6            | 3/16-1/2   | 1/16            | 3/8       |
| <b>813673</b> | 1/4 - 3/4  | 9            | 1/4 - 3/4  | 1/16            | 5/32      |

**DYNALLOY TAPS**

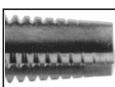
- Heat treated and tempered for long life, clean accurate threads.
- Carbon tool steel, hard-chrome finish.
- Long-lasting - chrome finish resists rust and tarnish.
- Right hand threads, USS and SAE.
- Each tap marked permanently with drill size.
- 3 types - plug, taper, and bottoming.
- Assorted Imports.

**ULTRA-CUT TAPS**

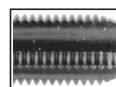
- Triple heat treated M7 steel.
- Outlasts carbon steel 10 to 1.
- Gold surface treated for maximum lubricity.
- Each tap marked permanently with drill size.
- Right hand threads, USS / SAE.
- Precision ground threads for the ultimate in accuracy and performance.
- 3 types - plug, taper and bottoming.

**TYPES OF TAPS****PLUG**

3 to 5 threads chamfered. General use when tapping to bottom of hole is not critical. (This is the most widely used type of tap.)

**TAPER**

8 to 10 threads chamfered for easy thread starting in tough materials.

**BOTTOMING**

1-1/2 threads chamfered. Use after threads have been started for tapping to bottom of hole.

- Taps available separately or in sets. -

**TAP & DRILL ASSORTMENT**

- **SAVES TIME:** Proper size "Tap & Drill Combos" are now right at your fingertips.
- **COMPLETE SET:** 9 of the most used plug style taps with the correct size drill.
- **HIGH STRENGTH** Index protects taps and drills from costly damage when not in use.
- **EASY ACCESS:** Compact design fits in tool box drawer. It's just 4" x 7" x 1-1/4".
- **FULL COVERAGE:** Order National Coarse (USS) or National Fine (SAE) in either Ultra-Cut or Dynalloy.

**NATIONAL COARSE (USS)**

9 taps • 9 drills • 12107 index

**DYNALLOY ASST. Part No. 813027**

| PART NUMBER   | TAP SIZE | PART NUMBER | DRILL SIZE |
|---------------|----------|-------------|------------|
| <b>813809</b> | 6-32     | 813566      | #36        |
| <b>813810</b> | 8-32     | 813559      | #29        |
| <b>813811</b> | 10-24    | 813555      | #25        |
| <b>813812</b> | 10-32    | 813551      | #21        |
| <b>813814</b> | 1/4-20   | 813537      | #7         |
| <b>813815</b> | 5/16-18  | 813579      | "F"        |
| <b>813816</b> | 3/8-16   | 813517      | 5/16       |
| <b>813817</b> | 7/16-14  | 813594      | "U"        |
| <b>813818</b> | 1/2-13   | 813524      | 27/64      |

9 taps • 9 drills • 12107 index

**ULTRA-CUT ASST. Part No. 813032 (Includes Spiral Point Taps)**

| PART NUMBER   | TAP SIZE | PART NUMBER | DRILL SIZE |
|---------------|----------|-------------|------------|
| <b>814505</b> | 6-32     | 813566      | #36        |
| <b>814507</b> | 8-32     | 813559      | #29        |
| <b>814509</b> | 10-24    | 813555      | #25        |
| <b>814510</b> | 10-32    | 813551      | #21        |
| <b>814513</b> | 1/4-20   | 813537      | #7         |
| <b>814515</b> | 5/16-18  | 813579      | "F"        |
| <b>814517</b> | 3/8-16   | 813517      | 5/16       |
| <b>814519</b> | 7/16-14  | 813594      | "U"        |
| <b>814521</b> | 1/2-13   | 813524      | 27/64      |

**NATIONAL FINE (SAE)**

9 taps • 9 drills • 12108 index

**DYNALLOY ASST. Part No. 813028**

| PART NUMBER   | TAP SIZE | PART NUMBER | DRILL SIZE |
|---------------|----------|-------------|------------|
| <b>813894</b> | 6-40     | 813563      | #33        |
| <b>813895</b> | 8-36     | 813559      | #29        |
| <b>813811</b> | 10-24    | 813555      | #25        |
| <b>813812</b> | 10-32    | 813551      | #21        |
| <b>813844</b> | 1/4-28   | 813533      | #3         |
| <b>813845</b> | 5/16-24  | 813582      | "I"        |
| <b>813846</b> | 3/8-24   | 813590      | "Q"        |
| <b>813847</b> | 7/16-20  | 813522      | 25/64      |
| <b>813848</b> | 1/2-20   | 813526      | 29/64      |

9 taps • 9 drills • 12108 index

**ULTRA-CUT ASST. Part No. 813033 (Includes Spiral Point Taps)**

| PART NUMBER   | TAP SIZE | PART NUMBER | DRILL SIZE |
|---------------|----------|-------------|------------|
| <b>814506</b> | 6-40     | 813563      | #33        |
| <b>814508</b> | 8-36     | 813559      | #29        |
| <b>814509</b> | 10-24    | 813555      | #25        |
| <b>814510</b> | 10-32    | 813551      | #21        |
| <b>814514</b> | 1/4-28   | 813533      | #3         |
| <b>814515</b> | 5/16-24  | 813582      | "I"        |
| <b>814518</b> | 3/8-24   | 813590      | "Q"        |
| <b>814520</b> | 7/16-20  | 813522      | 25/64      |
| <b>814522</b> | 1/2-20   | 813526      | 29/64      |

# DYNALLOY TAPS

## TAPS - MACHINE SCREW and FRACTIONAL



\*Sets consists of one (1) each: Plug, Taper, and Bottoming Tap

†Order drills separately.

| SIZE        | PLUG STYLE<br>PART NO. | TAPER STYLE<br>PART NO. | BOTTOMING STYLE<br>PART NO. | SETS*<br>PART NO. | DRILL SIZE<br>REQUIRED† |
|-------------|------------------------|-------------------------|-----------------------------|-------------------|-------------------------|
| 4-40 USS    | <b>813807</b>          | ---                     | <b>813800</b>               | ---               | #44                     |
| 4-48 SAE    | <b>813808</b>          | ---                     | <b>813801</b>               | ---               | #43                     |
| 6-32 USS    | <b>813809</b>          | ---                     | <b>813802</b>               | ---               | #36                     |
| 6-40 SAE    | <b>813894</b>          | ---                     | ---                         | ---               | #33                     |
| 8-32 USS    | <b>813810</b>          | ---                     | <b>813803</b>               | ---               | #29                     |
| 8-36 SAE    | <b>813895</b>          | ---                     | ---                         | ---               | #29                     |
| 10-24 USS   | <b>813811</b>          | ---                     | <b>813804</b>               | ---               | #25                     |
| 10-32 SAE   | <b>813812</b>          | ---                     | <b>813805</b>               | ---               | #21                     |
| 12-24 USS   | <b>813813</b>          | ---                     | <b>813806</b>               | ---               | #16                     |
| 1/4-20 USS  | <b>813814</b>          | <b>813824</b>           | <b>813834</b>               | <b>813874</b>     | #7                      |
| 1/4-28 SAE  | <b>813844</b>          | <b>813854</b>           | <b>813864</b>               | <b>813884</b>     | #3                      |
| 5/16-18 USS | <b>813815</b>          | <b>813825</b>           | <b>813835</b>               | <b>813875</b>     | F                       |
| 5/16-24 SAE | <b>813845</b>          | <b>813855</b>           | <b>813865</b>               | <b>813885</b>     | I                       |
| 3/8-16 USS  | <b>813816</b>          | <b>813826</b>           | <b>813836</b>               | <b>813876</b>     | 5/16                    |
| 3/8-24 SAE  | <b>813846</b>          | <b>813856</b>           | <b>813866</b>               | <b>813886</b>     | Q                       |
| 7/16-14 USS | <b>813817</b>          | <b>813827</b>           | <b>813837</b>               | <b>813877</b>     | U                       |
| 7/16-20 SAE | <b>813847</b>          | <b>813857</b>           | <b>813867</b>               | <b>813887</b>     | 25/64                   |
| 1/2-13 USS  | <b>813818</b>          | <b>813828</b>           | <b>813838</b>               | <b>813878</b>     | 27/64                   |
| 1/2-20 SAE  | <b>813848</b>          | <b>813858</b>           | <b>813868</b>               | <b>813888</b>     | 29/64                   |
| 9/16-12 USS | <b>813819</b>          | <b>813829</b>           | <b>813839</b>               | <b>813879</b>     | 31/64                   |
| 9/16-18 SAE | <b>813849</b>          | <b>813859</b>           | <b>813869</b>               | <b>813889</b>     | 33/64                   |
| 5/8-11 USS  | <b>813820</b>          | <b>813830</b>           | <b>813840</b>               | <b>813880</b>     | 17/32                   |
| 5/8-18 SAE  | <b>813850</b>          | <b>813860</b>           | <b>813870</b>               | <b>813890</b>     | 37/64                   |
| 3/4-10 USS  | <b>813821</b>          | <b>813831</b>           | <b>813841</b>               | <b>813881</b>     | 21/32                   |
| 3/4-16 SAE  | <b>813851</b>          | <b>813861</b>           | <b>813871</b>               | <b>813891</b>     | 11/16                   |
| 7/8-9 USS   | <b>813822</b>          | <b>813832</b>           | <b>813842</b>               | <b>813882</b>     | 49/64                   |
| 7/8-14 SAE  | <b>813852</b>          | <b>813862</b>           | <b>813872</b>               | <b>813892</b>     | 13/16                   |
| 1-8 USS     | <b>813823</b>          | <b>813833</b>           | <b>813843</b>               | <b>813883</b>     | 7/8                     |
| 1-14 SAE    | <b>813853</b>          | <b>813863</b>           | <b>813873</b>               | <b>813893</b>     | 15/16                   |

## TAPS - METRIC/PLUG STYLE

- Heat treated and tempered carbon tool steel.
- Hard-chrome finish.
- Each tap permanently marked with tap and drill size.
- Used to cut metric, automotive, and machinery threads.

| SIZE        | PART NO.      | DRILL SIZE<br>REQUIRED† | SIZE        | PART NO.      | DRILL SIZE<br>REQUIRED† |
|-------------|---------------|-------------------------|-------------|---------------|-------------------------|
| 5mm x .80   | <b>813953</b> | 11/64                   | 10mm x 1.50 | <b>813961</b> | 11/32                   |
| 6mm x 1.00  | <b>813954</b> | 13/64                   | 12mm x 1.25 | <b>813962</b> | 13/32                   |
| 7mm x 1.00  | <b>813956</b> | 15/64                   | 12mm x 1.50 | <b>813963</b> | 13/32                   |
| 8mm x 1.25  | <b>813957</b> | 17/64                   | 12mm x 1.75 | <b>813964</b> | 27/64                   |
| 8mm x 1.00  | <b>813958</b> | 21/64                   | 14mm x 1.25 | <b>813966</b> | 33/64                   |
| 9mm x 1.25  | <b>813959</b> | 5/16                    | 14mm x 1.50 | <b>813967</b> | 15/32                   |
| 10mm x 1.00 | <b>813952</b> | 23/64                   | 14mm x 2.00 | <b>813965</b> | 15/32                   |
| 10mm x 1.25 | <b>813960</b> | S                       |             |               |                         |

†Order drills separately.

## HEX DIES

- Made in U.S.A.
- High quality carbon tool steel.
- Permanently marked with size and starting side.
- Hard-chrome finish.
- Right hand threads.



| MACHINE SCREW<br>SIZES |        |               | FRACTIONAL SIZES |                |                     | METRIC SIZES       |                        |                 |
|------------------------|--------|---------------|------------------|----------------|---------------------|--------------------|------------------------|-----------------|
| O.D.<br>SIZE           | INCHES | PART<br>NO.   | SIZE<br>INCHES   | O.D.<br>INCHES | U.S.<br>PART<br>NO. | SAE<br>PART<br>NO. | SIZE<br>O.D.<br>INCHES | PART<br>NO.     |
| 4-40                   | 1      | <b>813901</b> | 1/4              | 1              | <b>813907</b>       | <b>813917</b>      | M3 x .50               | 1 <b>813968</b> |
| 6-32                   | 1      | <b>813902</b> | 5/16             | 1              | <b>813908</b>       | <b>813918</b>      | M8 x 1.25              | 1 <b>813974</b> |
| 8-32                   | 1      | <b>813903</b> | 3/8              | 1              | <b>813909</b>       | <b>813919</b>      | M10 x 1.25             | 1 <b>813977</b> |
| 10-24                  | 1      | <b>813904</b> | 7/16             | 1              | <b>813910</b>       | <b>813920</b>      | M10 x 1.50             | 1 <b>813978</b> |
| 10-32                  | 1      | <b>813905</b> | 1/2              | 1              | <b>813911</b>       | <b>813921</b>      | M11 x 1.50             | 1 <b>813979</b> |
| 12-24                  | 1      | <b>813906</b> | 9/16             | 1-7/16         | <b>813912</b>       | <b>813922</b>      | M12 x 1.25             | 1 <b>813983</b> |
| --                     | --     | ---           | 5/8              | 1-7/16         | <b>813913</b>       | <b>813923</b>      | M12 x 1.50             | 1 <b>813980</b> |
| --                     | --     | ---           | 3/4              | 1-7/16         | <b>813914</b>       | <b>813924</b>      | M14 x 2.00             | 1 <b>813982</b> |

**ULTRA-CUT TAPS and DIES****HIGH SPEED STEEL TAPS - MACHINE SCREW and FRACTIONAL**

| SIZE         | PLUG STYLE PART NO. | TAPER STYLE PART NO. | BOTTOMING STYLE PART NO. | SETS*         | DRILL SIZE REQUIRED† |
|--------------|---------------------|----------------------|--------------------------|---------------|----------------------|
| 4-40 USS     | <b>814800</b>       | <b>814820</b>        | <b>814840</b>            | <b>814860</b> | #44                  |
| 5-40 USS     | <b>814801</b>       | <b>814821</b>        | <b>814841</b>            | <b>814861</b> | #43                  |
| 6-32 USS     | <b>814802</b>       | <b>814822</b>        | <b>814842</b>            | <b>814862</b> | #36                  |
| 6-40 SAE     | <b>814803</b>       | <b>814823</b>        | <b>814843</b>            | <b>814863</b> | #33                  |
| 8-32 USS     | <b>814804</b>       | <b>814824</b>        | <b>814844</b>            | <b>814864</b> | #29                  |
| 8-36 SAE     | <b>814805</b>       | <b>814825</b>        | <b>814845</b>            | <b>814865</b> | #29                  |
| 10-24 USS    | <b>814806</b>       | <b>814826</b>        | <b>814846</b>            | <b>814866</b> | #25                  |
| 10-32 SAE    | <b>814807</b>       | <b>814827</b>        | <b>814847</b>            | <b>814867</b> | #21                  |
| 12-24 USS    | <b>814808</b>       | <b>814828</b>        | <b>814848</b>            | <b>814868</b> | #16                  |
| 12-28 SAE    | <b>814809</b>       | <b>814829</b>        | <b>814849</b>            | <b>814869</b> | #16                  |
| 1/4-20 USS   | <b>814810</b>       | <b>814830</b>        | <b>814850</b>            | <b>814870</b> | #7                   |
| 1/4-28 SAE   | <b>814811</b>       | <b>814831</b>        | <b>814851</b>            | <b>814871</b> | #3                   |
| 5/16-18 USS  | <b>814812</b>       | <b>814832</b>        | <b>814852</b>            | <b>814872</b> | F                    |
| 5/16-24 SAE  | <b>814813</b>       | <b>814833</b>        | <b>814853</b>            | <b>814873</b> | I                    |
| 3/8-16 USS   | <b>814814</b>       | <b>814834</b>        | <b>814854</b>            | <b>814874</b> | 5/16                 |
| 3/8-24 SAE   | <b>814815</b>       | <b>814835</b>        | <b>814855</b>            | <b>814875</b> | Q                    |
| 7/16-14 USS  | <b>814816</b>       | <b>814836</b>        | <b>814856</b>            | <b>814876</b> | U                    |
| 7/16-20 SAE  | <b>814817</b>       | <b>814837</b>        | <b>814857</b>            | <b>814877</b> | 25/64                |
| 1/2-13 USS   | <b>814818</b>       | <b>814838</b>        | <b>814858</b>            | <b>814878</b> | 27/64                |
| 1/2-20 SAE   | <b>814819</b>       | <b>814839</b>        | <b>814859</b>            | <b>814879</b> | 29/64                |
| 9/16-12 USS  | <b>814880</b>       | <b>814899</b>        | <b>814918</b>            | <b>814937</b> | 31/64                |
| 9/16-18 SAE  | <b>814881</b>       | <b>814900</b>        | <b>814919</b>            | <b>814938</b> | 33/64                |
| 5/8-11 USS   | <b>814882</b>       | <b>814901</b>        | <b>814920</b>            | <b>814939</b> | 17/32                |
| 5/8-18 SAE   | <b>814883</b>       | <b>814902</b>        | <b>814921</b>            | <b>814940</b> | 37/64                |
| 3/4-10 USS   | <b>814884</b>       | <b>814903</b>        | <b>814922</b>            | <b>814941</b> | 21/32                |
| 3/4-16 SAE   | <b>814885</b>       | <b>814904</b>        | <b>814923</b>            | <b>814942</b> | 11/16                |
| 7/8-9 USS    | <b>814886</b>       | <b>814905</b>        | <b>814924</b>            | <b>814943</b> | 49/64                |
| 7/8-14 SAE   | <b>814887</b>       | <b>814906</b>        | <b>814925</b>            | <b>814944</b> | 13/16                |
| 1-8 USS      | <b>814888</b>       | <b>814907</b>        | <b>814926</b>            | <b>814945</b> | 7/8                  |
| 1-12         | <b>814889</b>       | <b>814908</b>        | <b>814927</b>            | <b>814946</b> | 59/64                |
| 1-14 SAE     | <b>814890</b>       | <b>814909</b>        | <b>814928</b>            | <b>814947</b> | 15/16                |
| 1-1/8-7 USS  | <b>814891</b>       | <b>814910</b>        | <b>814929</b>            | <b>814948</b> | 63/64                |
| 1-1/8-12 SAE | <b>814892</b>       | <b>814911</b>        | <b>814930</b>            | <b>814949</b> | 1-3/64               |
| 1-1/4-7 USS  | <b>814893</b>       | <b>814912</b>        | <b>814931</b>            | <b>814950</b> | 1-7/64               |
| 1-1/4-12 SAE | <b>814894</b>       | <b>814913</b>        | <b>814932</b>            | <b>814951</b> | 1-11/64              |
| 1-3/8-6 USS  | <b>814895</b>       | <b>814914</b>        | <b>814933</b>            | <b>814952</b> | 1-7/32               |
| 1-3/8-12 SAE | <b>814896</b>       | <b>814915</b>        | <b>814934</b>            | <b>814953</b> | 1-19/64              |
| 1-1/2-6 USS  | <b>814897</b>       | <b>814916</b>        | <b>814935</b>            | <b>814954</b> | 1-11/32              |
| 1-1/2-12 SAE | <b>814898</b>       | <b>814917</b>        | <b>814936</b>            | <b>814955</b> | 1-27/64              |



3 Flutes - sizes 4-40 thru 6-40

4 Flutes - sizes 8-32 thru 1/2-20, 9/16-12 thru 1-1/4-7, 1-3/8-6, and 1-1/2-6

6 Flutes - sizes 1-3/8-12 and 1-1/2-12

\*Sets consists of one (1) each: Plug, Taper and Bottoming Tap

†Order drills separately.

**HIGH SPEED STEEL - SPIRAL POINT TAPS**

- Made in the USA.
- Plug style.
- Triple heat treated M7 steel.
- Outlasts carbon steel 10 to 1.
- Gold surface treated for maximum lubricity.

- Spiral point drives chips ahead of the tap, which permits higher speeds and faster cutting with less torque.
- Precision ground threads for the ultimate in accuracy & performance.



| USS (COARSE) SIZES | SAE (FINE) SIZES | METRIC SIZES | USS (COARSE) SIZES | SAE (FINE) SIZES | METRIC SIZES  |
|--------------------|------------------|--------------|--------------------|------------------|---------------|
| SIZE               | PART NO.         | SIZE         | PART NO.           | SIZE             | PART NO.      |
| 4-40               | <b>814500</b>    | 4-48         | <b>814501</b>      | 2.5 x .45        | <b>814535</b> |
| --                 | ---              | 4-36         | <b>814502</b>      | 3 x .50          | <b>814536</b> |
| 5-40               | <b>814503</b>    | 5-44         | <b>814504</b>      | 3.5 x .60        | <b>814537</b> |
| 6-32               | <b>814505</b>    | 6-40         | <b>814506</b>      | 4 x .70          | <b>814538</b> |
| 8-32               | <b>814507</b>    | 8-36         | <b>814508</b>      | 5 x .80          | <b>814539</b> |
| 10-24              | <b>814509</b>    | 10-32        | <b>814510</b>      | 6 x 1.00         | <b>814540</b> |
| 12-24              | <b>814511</b>    | 12-28        | <b>814512</b>      | 8 x 1.25         | <b>814541</b> |
|                    |                  |              |                    |                  |               |
| 1/4-20             | <b>814513</b>    | 1/4-28       | <b>814514</b>      | 10 x 1.50        | <b>814542</b> |
| 5/16-18            | <b>814515</b>    | 5/16-24      | <b>814516</b>      | 12 x 1.75        | <b>814543</b> |
| 3/8-16             | <b>814517</b>    | 3/8-24       | <b>814518</b>      | --               | ---           |
| 7/16-14            | <b>814519</b>    | 7/16-20      | <b>814520</b>      | --               | ---           |
| 1/2-13             | <b>814521</b>    | 1/2-20       | <b>814522</b>      | --               | ---           |
| 5/8-11             | <b>814523</b>    | 5/8-18       | <b>814524</b>      | --               | ---           |
| 3/4-10             | <b>814525</b>    | 3/4-16       | <b>814526</b>      | --               | ---           |

**HIGH SPEED STEEL - HEX DIES**

- Triple heat treated M7 steel.
- Outlasts carbon steel 10 to 1.

- Precision ground threads for the ultimate in accuracy and performance.

- Gold surface treated for maximum lubricity.



| USS (COARSE) SIZES | SAE (FINE) SIZES | USS (COARSE) SIZES | SAE (FINE) SIZES |        |               |
|--------------------|------------------|--------------------|------------------|--------|---------------|
| SIZE               | O.D.             | PART NO.           | SIZE             | O.D.   | PART NO.      |
| 4-40               | 1                | <b>814550</b>      | 10-32            | 1      | <b>814554</b> |
| 6-32               | 1                | <b>814551</b>      | 1/4-28           | 1      | <b>814557</b> |
| 8-32               | 1                | <b>814552</b>      | 5/16-24          | 1      | <b>814559</b> |
| 10-24              | 1                | <b>814553</b>      | 3/8-24           | 1      | <b>814561</b> |
| 12-24              | 1                | <b>814555</b>      | 7/16-20          | 1      | <b>814563</b> |
| 1/4-20             | 1                | <b>814556</b>      | 1/2-20           | 1      | <b>814565</b> |
| 5/16-18            | 1                | <b>814558</b>      | 9/16-18          | 1-7/16 | <b>814567</b> |



## TOOLS & SHOP SUPPLIES

# ULTRA-CUT TAPS, SPECIAL TAPS, DIES, TOOLS and TAP & DIE SETS

### COMBINATION DRILL-TAP

High speed steel drills and taps in one operation.

- Eliminates loose, sloppy holes because wrong size drill was used.
- Reduced shank minimizes breakage due to overrun.
- Only 1 setup required.
- Provides precision tapped holes in one - 2 stage process.



| COMBINATION DRILL-TAP DRILLS #14435 |        |        |
|-------------------------------------|--------|--------|
| SIZE                                | SIZE   | SIZE   |
| 6-32                                | 814425 | 814428 |
| 8-32                                | 814426 | 814430 |
| 10-24                               | 814427 | 814431 |
| 10-32                               | 814428 | 814432 |
| 12-24                               | 814429 | 814433 |
| 1/4-20                              | 814430 | 814434 |
| 5/16-18                             | 814431 |        |
| 3/8-16                              | 814432 |        |
| 7/16-14                             | 814433 |        |
| 1/2-13                              | 814434 |        |

Numbers in assortment

| COMBINATION DRILL-TAP DRILLS #14436 |        |        |
|-------------------------------------|--------|--------|
| SIZE                                | SIZE   | SIZE   |
| 6-32                                | 814425 | 814428 |
| 8-32                                | 814426 | 814430 |
| 10-24                               | 814427 | 814431 |
| 10-32                               | 814428 | 814432 |
| 12-24                               | 814429 | 814433 |
| 1/4-20                              | 814430 | 814434 |
| 5/16-18                             | 814431 |        |
| 3/8-16                              | 814432 |        |
| 7/16-14                             | 814433 |        |
| 1/2-13                              | 814434 |        |

Numbers in assortment

| THREAD SIZE | PART NUMBER | DRILL SIZE MM | THREAD LENGTH MM | OVERALL LENGTH MM |
|-------------|-------------|---------------|------------------|-------------------|
| 6-32*       | 814425      | 2.7           | 12               | 51                |
| 8-32        | 814426      | 3.5           | 12               | 64                |
| 10-24       | 814427      | 3.9           | 15               | 72                |
| 10-32       | 814428      | 3.9           | 15               | 72                |
| 12-24       | 814429      | 4.5           | 16               | 77                |
| 1/4-20      | 814430      | 5.1           | 18               | 83                |
| 5/16-18     | 814431      | 6.5           | 21               | 94                |
| 3/8-16      | 814432      | 8.0           | 22               | 104               |
| 7/16-14     | 814433      | 9.2           | 25               | 107               |
| 1/2-13      | 814434      | 10.8          | 29               | 114               |

\* Not a reduced shank

### PIPE THREAD TAPS

Ground Threads • Carbon Tool Steel

- Cuts internal threads in pipes.
- Ideal where extremely tight fit is required.
- Drill size permanently marked on each tap.



| PART NUMBER | TAP SIZE NPT INCHES | USE DRILL SIZE | PART NUMBER | TAP SIZE NPT INCHES | USE DRILL SIZE |
|-------------|---------------------|----------------|-------------|---------------------|----------------|
| 813701      | 1/8-27              | 11/32          | 813704      | 1/2-14              | 23/32          |
| 813702      | 1/4-18              | 7/16           | 813705      | 3/4-14              | 59/64          |
| 813703      | 3/8-18              | 37/64          | 813706      | 1"- 11-1/2          | 1-5/32         |

### TAP AND REAMER WRENCHES



- Professional quality.
- Rugged, long lasting construction.
- Hardened and heat treated steel jaws.
- Adjusts easily by turning handles.

| PART NUMBER | FOR TAP SIZE INCHES |
|-------------|---------------------|
| 813135      | No. 4 m/s - 1/2     |
| 813136      | 1/4 - 3/4           |
| 813137      | 1/2 - 1-1/8         |

### DIE STOCK



- Professional quality.
- Chrome steel handles.
- 3-jaw self centering adjustable guides.
- Assures straight threads and easy handles.

| PART NUMBER | FOR DIES INCHES               |
|-------------|-------------------------------|
| 813134      | 1-1/2 Round & 1-7/16 Hex O.D. |

### TAP SOCKET SET



Part No. 213653

- Ideal for use in areas where a T-handle won't fit.
- Set of 8 sockets fits all number and fractional standard taps thru 1/2".
- Also fits 1/8" NPT taps and metric taps thru 12mm.

### 24 PIECE MECHANIC SETS

#### KIT CONTAINS:

Fractional Plug Tap and 1" Hexagon Dies in sizes:  
1/4" - 20 NC, 1/4" - 28 NF, 5/16" - 18 NC, 5/16" - 24 NF,  
3/8" - 16 NC, 3/8" - 24 NF, 7/16" - 14 NC, 7/16" - 20 NF,  
1/2" - 13 NC, 1/2" - 20 NF Pipe Thread Plug Tap and  
1" Hexagon Dies in sizes: 1/8" - 27 NPT  
Threading Tools: Plain Die Stock - 1" Dies,  
Offset Adj. Tap Wrench No. 0 to 1/2"



#### FRACTIONAL SET

Part No. 813030

11 taps • 11 one inch hex dies

#### METRIC SET

Part No. 813035

11 taps • 11 one inch hex dies

### 40 PIECE MECHANIC SETS

#### KIT CONTAINS:

1 Die Stock for 1" round or hex  
1 Tap Wrench for 4MS-1/2"  
1 T-Handle Tap Wrench for No. 0 - 1/4"  
1 T-Handle Tap Wrench for 1/4" - 1/2"  
1 Screw Pitch Gauge for 9 to 40 U.S. (fractional set)  
1 Metric Thread Gauge for 0.45 to 2.50mm (metric set)  
1 Screwdriver - No.5



#### FRACTIONAL SET

Part No. 813031

17 taps • 17 one inch hex dies

#### METRIC SET

Part No. 813036

17 taps • 17 one inch hex dies

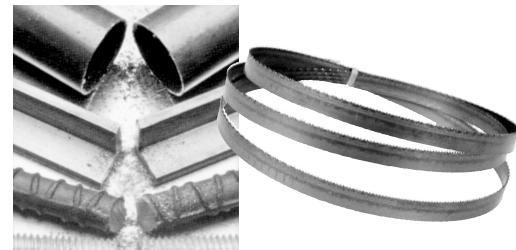
| THREAD | SIZE AND THREADS PER INCH |        |         |        |         |        |
|--------|---------------------------|--------|---------|--------|---------|--------|
| NC     | 4-40                      | 6-32   | 8-32    | 10-24  | 12-24   | 1/4-20 |
| NC     | 5/16-18                   | 3/8-16 | 7/16-14 | 1/2-13 |         |        |
| NF     | 10-32                     | 1/4-28 | 5/16-24 | 3/8-24 | 7/16-20 | 1/2-20 |
| NPT    | 1/8-27                    |        |         |        |         |        |

| SIZE AND PITCH |          |           |            |  |
|----------------|----------|-----------|------------|--|
| 3mm-.50        | 6mm-1.00 | 9mm-1.25  | 12mm-1.75  |  |
| 4mm-.70        | 7mm-1.00 | 10mm-1.50 | 1/8-28 BSP |  |
| 5mm-.80        | 8mm-1.25 | 12mm-1.50 |            |  |
|                |          |           |            |  |

**SAW BLADES****PORTABLE BANDSAW BLADES - MATRIX II High Speed Bi-Metal Blades**

**Fast Cutting – Long Lasting – Shock Resistant.**  
Out performs carbon blades Ten to One!

- Electron-Beam welded Matrix cutting edge to alloy shock resistant back, provides maximum durability.
- Made from cobalt alloy to tackle the most demanding cutting job.
- Matrix cutting edge resists heat in excess of 1000°F.
- Two sizes fit virtually all portable bandsaws made.

**PORTABLE BANDSAW MACHINE LISTING**

| BRAND NAME     | MODEL NUMBERS            | LENGTH   | BLADE SIZE WIDTH | THICKNESS |
|----------------|--------------------------|----------|------------------|-----------|
| Milwaukee      | 6230, 6225, 6226         | 3' 8-7/8 | 1/2              | .020      |
|                | 721, 724, 725, 726, 736, | 3' 8-7/8 | 1/2              | .020      |
| Porter Cable   | 728                      | 4' 5-3/4 | 1/2              | .020      |
|                | 530                      | 3' 8-7/8 | 1/2              | .020      |
| Greenlee       | 521, 531                 | 4' 5-3/4 | 1/2              | .020      |
|                | 941, 942, 943            | 3' 8-7/8 | 1/2              | .020      |
| Rigid          | 944                      | 4' 5-3/4 | 1/2              | .020      |
| Black & Decker | 3122, 3123               | 3' 8-7/8 | 1/2              | .020      |

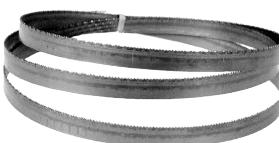
| PART NUMBER | LENGTH   | BLADE SIZE WIDTH | THICKNESS | TEETH PER INCH |
|-------------|----------|------------------|-----------|----------------|
| 113464      | 3' 8-7/8 | 1/2              | .020      | 10             |
| 113465      | 3' 8-7/8 | 1/2              | .020      | 14             |
| 113466      | 3' 8-7/8 | 1/2              | .020      | 18             |
| 113467      | 4' 5-3/4 | 1/2              | .020      | 10             |
| 113468      | 4' 5-3/4 | 1/2              | .020      | 14             |
| 113469      | 4' 5-3/4 | 1/2              | .020      | 18             |

STATIONARY BANDSAW BLADES AVAILABLE  
THROUGH THE SPECIAL ORDER DEPT.

**CARBON FLEXBACK BAND SAW BLADES**

Cutting wood, plastics, aluminum and mild steel.

- Made from carbon steel.
- Two thicknesses
- Withstands heat up to 800°F.
- General purpose blade.
- Ideal for plant maintenance.
- Standard raker style tooth.

**"POWER SCRAPER"**

Attaches easily to all brands of reciprocating saws.  
Intended for removing semi-tough materials and general scraping needs.



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Uses include: Linoleum, tough glue, drywall mud, paint, and rubber-back carpet. Made from carbon steel. Blade can be sharpened with any conventional sharpener. Not intended for concrete demolition.

| PART NUMBER | BLADE WIDTH INCHES |
|-------------|--------------------|
| 114568      | 2                  |
| 114569      | 4                  |
| 114570      | 6                  |

**"GROUT-OUT"  
POWER GROUT REMOVAL TOOL**

- Made from carbon steel with a carbide grit edge for maximum performance and control.
- Attaches easily to all brands of reciprocating saws.
- Remove any type of grout including urethane and epoxy.

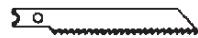


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**JIG SAW / SABER SAW BLADES**

Fits: Skil, Milwaukee, B & D, Stanley, Craftsman, and most U.S. and Foreign made jig saws.

- Bi-metal blades.
- Shatterproof.
- Tough...sharp.
- Made in the U.S.A.



| PART NUMBER | LENGTH X WIDTH X THICK. INCH | TEETH PER INCH | RECOMMENDED USE  |
|-------------|------------------------------|----------------|--|
| 113438      | 3-5/8 x 3/8 x .037           | 14             | Steel & non-ferrous 1/8" up, plastic, asbestos, hard rubber, fiber |
| 113439      | 3-5/8 x 3/8 x .037           | 18             | Metal, 18 gauge to 1/8"  |
| 113440      | 3-5/8 x 3/8 x .037           | 24             | Metal 18 gauge & under   |
| 113441      | 4 x 5/16 x .050              | 6              | Wood, plastic, composite material, fast cutting                    |
| 114496      | 4 x 5/16 x .050              | 10             | Wood, very smooth/clean cut  |
| 114499*     | 4 x 5/16 x .050              | 10             | Formica, laminate, plastic, chip free down cutting                 |
| 114497      | 4-1/2 x 3/8 x .050           | 6              | Wood, fast cut, rough cut  |
| 114498      | 4-1/2 x 3/8 x .050           | 10             | Wood, nail-embedded  |

**TOOL BOX ASSORTMENT**

Part No. 113442

7 piece set

Packed in a plastic pouch.

Numbers in assortment

**SHOP ASSORTMENT**

Part No. 501624

35 pieces • 7 items

12116 steel tray

113438 113441 114498

113439 114496

113440 114497

Numbers in assortment

All blades are packed 2. \*Not included in assortments.

# SAW BLADES

## RECIPROCATING SAW BLADES (SAWZALL)

Fits: Most U.S. and Foreign made saws.

| PART NUMBER | L x W x T INCH  | TEETH PER INCH | SHAPE | RECOMMENDED USE   |
|-------------|-----------------|----------------|-------|---|
| 114475†     | 6 x 3/4 x .050  | 6              |       | Plaster, plaster board  |
| 114476      | 6 x 3/4 x .050  | 6              |       | Rough work in wood*, fast cutting   |
| 114477      | 12 x 3/4 x .050 | 6              |       | used in remodeling and demolition work                                    |
| 114478      | 6 x 3/4 x .035  | 6              |       | Wood*, all composition material   |
| 114479      | 6 x 3/4 x .035  | 10             |       | Wood*, compositions, plastic, cast aluminum & non-ferrous metals          |
| 114480      | 12 x 3/4 x .050 | 10/14          |       | All woods*, plastic cast aluminum &                                       |
| 114481      | 4 x 3/4 x .035  | 14             |       | Heavy gauge metal 1/4-1/2, 6-13mm   |
| 113430      | 6 x 3/4 x .035  | 14             |       | Hard rubber, fiber & angle iron   |
| 114482      | 4 x 3/4 x .035  | 18             |       | Heavy gauge metal 1/8-1/4, 3.2-6mm  |
| 113431      | 6 x 3/4 x .035  | 18             |       | Conduit & tubing, opening wood crates*, removing wood siding or shingles. |
| 113432      | 6 x 3/4 x .035  | 24             |       | Metal & galvanized pipe 18 gauge & under                                  |

### FEATURES

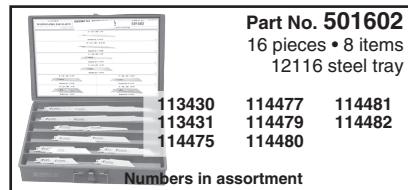
- Bi-metal construction.
- Matrix II type alloy high speed steel cutting edge (8% cobalt edge).
- Tooth hardness Rc 65-66.
- Precision teeth.

### BENEFITS

- Cuts tough materials including nail-embedded wood.
- Longer life.
- Retains tooth sharpness longer.
- Increases productivity.
- Faster cutting.

### ADVANTAGES

- Shatterproof.
- Shock resistant teeth.
- High wear resistance.
- High heat resistance.



†V-tooth 60° angle.

\*Including nail-embedded wood.  
All reciprocating saw blades are packed 5.

## MASTER-GRIT® RECIPROCATING BLADES

Specially designed for abrasives.

- Master-Grit® tungsten carbide grit edge looks different from regular blades because it is different. It is specially designed for cutting tough abrasives like fiberglass, granite, cement, plywood, cast iron, and the list goes on.
- Recommended use: cast iron, fiberglass, ceramic wall tile, clay pipe, stone, brick, plaster, marble.



| PART NUMBER | LENGTH x WIDTH x THICK. INCH | QTY |
|-------------|------------------------------|-----|
| 114530      | 6 x 3/4 x .032               | 2   |
| 114531      | 8 x 3/4 x .040               | 2   |
| 114532      | 10 x 3/4 x .050              | 2   |

## HEAVY DUTY RECIPROCATING SAW BLADES

44% thicker than standard blades.

- More rugged and durable in tough, metal cutting applications.
- Blades won't whip from side to side.
- Blades won't fail from tooth chipping.

| PART NUMBER | L x W x T INCH | TEETH PER INCH | SHAPE | RECOMMENDED USE   |
|-------------|----------------|----------------|-------|---|
| 114483      | 6 x 3/4 x .050 | 10/14          |       | Heavy gauge metal 3/16"-3/4" / 5-20mm, inc. rescue operations |
| 114487      | 8 x 3/4 x .050 | 10/14          |       | Heavy gauge metal 3/16"-3/4" / 5-20mm                         |

All heavy duty reciprocating saw blades are packed 2.

## CARBIDE TIPPED RECIPROCATING BLADES

For materials that eat up other carbide blades.

- These blades last 10 times longer than standard bi-metal blades in the applications listed.
- Triple-chip ground teeth provide 25% faster cutting than standard carbide blades.
- Use on fiberglass, cement board, particle board, plywood, pressure-treated wood, abrasive plastics, rubber, cast aluminum, composite, GasBrick, all hard woods.



| PART NUMBER | LENGTH x WIDTH x THICK. INCH | CUTS            | DESCRIPTION   | TEETH PER INCH | QTY |
|-------------|------------------------------|-----------------|---------------|----------------|-----|
| 114535      | 6 x 3/4 x .050               | Curves/Contours | Contour Back  | 6              | 1   |
| 114536      | 6 x 3/4 x .050               | Straight        | Straight Back | 6              | 1   |
| 114537      | 8 x 3/4 x .050               | Straight        | Straight Back | 3              | 1   |

## DEMOLITION RECIPROCATING SAW BLADES

77% thicker than standard blades.

- For fire / rescue, demo and rehab work.
- Edge material from M-2 high speed steel.
- No side to side whipping.
- Cuts through angle iron, nail-embedded wood, and metal pipe - all at the same time.
- Bi-metal blade cuts stronger, faster and longer than others.

| PART NUMBER | L x W x T INCH  | TEETH PER INCH | SHAPE |
|-------------|-----------------|----------------|-------|
| 114525      | 6 x 7/8 x .062  | 6              |       |
| 114526      | 9 x 7/8 x .062  | 6              |       |
| 114527      | 9 x 7/8 x .062  | 10/14          |       |
| 114528      | 12 x 7/8 x .062 | 6              |       |



All demolition saw blades are packed 2 per pack.

**SAW BLADES****FIRE & RESCUE RECIPROCATING SAW BLADES**

**When seconds count and lives are on the line, only the best will do!**  
**These are the blades preferred by professional firefighters.**

- Wavy set reduces pinching during cuts.
- .062" blades thickness for little or no bending.
- Available in 6", 9" and 12" lengths.
- Bi-metal construction with a long lasting cutting edge.
- Thicker than most, significantly outlast & outperforms standard blades.
- Cuts smoothly through a variety of materials, without binding.
- Won't vibrate or whip from side to side.
- Use for fire & rescue, demolition, & non-ferrous metals.

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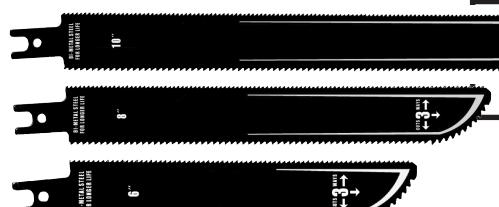
**TRIPLE EDGE RECIPROCATING SAW BLADES**

**The ONLY blade that cuts in either direction without turning over the saw!**

- Bi-metal steel for longer life.
- Teeth on opposing edges for two-way cutting.
- Rounded tip prevents kickback.
- Saves time in changing blades.

- Plunge cuts - no pre-drilling.
- Fits most reciprocating saws.
- Back & forth cutting - without turning the saw.

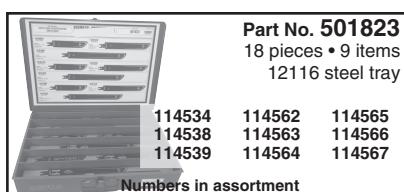
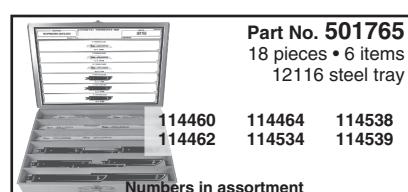
- Cuts wood, sheet metal, MDF, plastic and steel pipe.
- Two pronged tang for stability and control.



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| PART NUMBER | LENGTH | TEETH PER INCH | PKG QTY |
|-------------|--------|----------------|---------|
| 114562      | 6"     | 7 x 7          | 5       |
| 114563      | 8"     | 7 x 7          | 5       |
| 114564      | 10"    | 7 x 7          | 5       |
| 114565      | 6"     | 7 x 10         | 5       |
| 114566      | 8"     | 7 x 10         | 5       |
| 114567      | 10"    | 7 x 10         | 5       |
| 114534      | 6"     | 10 x 14        | 5       |
| 114538      | 8"     | 10 x 14        | 5       |
| 114539      | 10"    | 10 x 14        | 5       |

**TRIPLE EDGE RECIPROCATING SAW BLADE ASSORTMENT****FIRE & RESCUE and TRIPLE EDGE RECIPROCATING SAW BLADE ASSORTMENT****LAZER RECIPROCATING SAW BLADES**

For heavy metal cutting.



- Shatter resistant Bi-metal blades bend and resist breaking & extend blade life.
- Optimized performance. Thicker (.042) and wider (1") blades minimize whipping for straighter and smoother cuts.
- Cobalt cutting edge is electron beam welded to bi-metal backer for greater wear resistance and longer life.

- Lasts 45% longer than the leading competitor's blade.
- Greater strength and durability. Unique blade geometry reinforces traditional weak areas, creating stronger and more durable blades.



| PART NUMBER | L x W x THK   | TEETH PER INCH | RECOMMENDED USE                          |
|-------------|---------------|----------------|--|
| 114550      | 6 x 1 x .042  | 8              | Angle iron, steel pipe to 3/16           |
| 114551      | 6 x 1 x .042  | 10             | Rebar, steel rod, black pipe to 3/16-1/2 |
| 114552      | 6 x 1 x .042  | 14             | Steel rod, black pipe to 3/32-3/8        |
| 114553      | 6 x 1 x .042  | 18             | Copper pipe, black pipe to 1/16-1/4      |
| 114554      | 9 x 1 x .042  | 8              | Angle iron, steel pipe to 3/16           |
| 114555      | 9 x 1 x .042  | 10             | Rebar, steel rod, black pipe to 3/16-1/2 |
| 114556      | 9 x 1 x .042  | 14             | Steel rod, black pipe to 3/32-3/8        |
| 114557      | 9 x 1 x .042  | 18             | Copper pipe, black pipe to 1/16-1/4      |
| 114558      | 12 x 1 x .042 | 8              | Angle iron, steel pipe to 3/16           |
| 114559      | 12 x 1 x .042 | 10             | Rebar, steel rod, black pipe to 3/16-1/2 |
| 114560      | 12 x 1 x .042 | 14             | Steel rod, black pipe to 3/32-3/8        |
| 114561      | 12 x 1 x .042 | 18             | Copper pipe, black pipe to 1/16-1/4      |

All Lazer blades are packed 2 per pack.

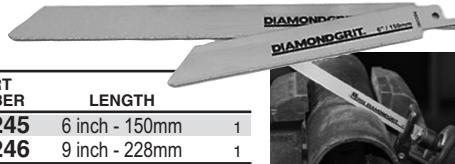
# SAW BLADES

## DIAMONDRIT™ RECIPROCATING BLADES

- Straight cutting 1" wide durable body for straight cuts.
- Long lasting industrial diamond grit brazed to alloy body.
- Fast cutting narrow kerf design with sharp angular diamond grit edges.
- Recommended use: granite, cement board, cast iron, fiberglass, ceramic tile, architectural stone, brick, laminate flooring.



| PART NUMBER | LENGTH         | QTY |
|-------------|----------------|-----|
| 114245      | 6 inch - 150mm | 1   |
| 114246      | 9 inch - 228mm | 1   |



## BOLT RECIPROCATING SAW BLADES

**Cuts lightning fast.** The patent pending design excels in applications of small solids and structural shapes.

- Bi-metal construction provides a long cutting life, along with being heat and wear resistant.
- .035" (0.90mm) thick blades for flexibility in tight spaces.

- Variable tooth pitches provide smooth cutting action.
- Reinforced, positive rake tooth design provides fast cutting with impact resistant teeth.

| PART NUMBER | LENGTH | WIDTH | TEETH PER INCH | THKS | PKG QTY |
|-------------|--------|-------|----------------|------|---------|
| 114226      | 6"     | 3/4"  | 11/15          | .035 | 5       |
| 114227      | 9"     | 3/4"  | 11/15          | .035 | 5       |
| 114228      | 12"    | 3/4"  | 11/15          | .035 | 5       |

PSS012016



## RENOVATOR RECIPROCATING SAW BLADES

**The ultimate heavy duty, demolition / remodeling blade in the market. This blade cuts through wood and metals without leaving frayed or jagged cut edges, no need for additional finishing.**

- Bi-metal construction provides a long cutting life, along with being heat and wear resistant.
- .062" (1.60mm) thick blades provides increased rigidity for more stable cutting in wider cuts.
- 1" (25mm) wide blades offers more beam strength.

- Tapered blade only, which is best for plunge cutting.
- Variable tooth pitch provides fast cutting with a smooth cut finish.
- Reinforced tooth design has a high impact resistant teeth.

| PART NUMBER | LENGTH | WIDTH | TEETH PER INCH | THKS | PKG QTY |
|-------------|--------|-------|----------------|------|---------|
| 114247      | 6"     | 1"    | 8/11           | .062 | 3       |
| 114248      | 9"     | 1"    | 8/11           | .062 | 3       |
| 114249      | 12"    | 1"    | 8/11           | .062 | 3       |

PSS012016



## SALVAGE RECIPROCATING SAW BLADES

**Targeted for any automotive reclamation / recycling, but can also be used for other automotive modifications requiring metal cutting.**

- Bi-metal construction provides a long cutting life, along with being heat and wear resistant.
- .035" (0.90mm) thick blades for flexibility in tight spaces, like cutting between body panels and getting under stripped/rusted fasteners.

- 3/4" (20mm) wide blades provide flexibility, which allows for cutting in hard-to-reach place that a cutting torch would otherwise create more damage.
- Straight & variable tooth pitch provides smooth cutting action.

| PART NUMBER | LENGTH | WIDTH | TEETH PER INCH | THKS | PKG QTY |
|-------------|--------|-------|----------------|------|---------|
| 114277      | 6"     | 3/4"  | 14             | .035 | 5       |
| 114278      | 8"     | 3/4"  | 14             | .035 | 5       |
| 114279      | 12"    | 3/4"  | 14             | .035 | 5       |

PSS012016



## PVC/ABS PLASTIC PIPE HAND SAWS & BLADES

**Breezes through any diameter of plastic pipe, wood, and even nail embedded wood.**

- 2" wide blade.
- Hardened teeth.
- Lightweight heavy-duty aluminum handle.
- Rigid carbon steel blade.
- Large comfortable handgrip for maximum finger clearance even with gloves.



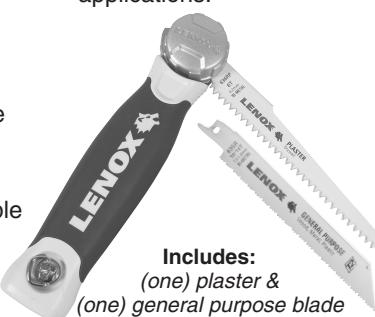
| PART NUMBER | DESCRIPTION           | TEETH PER INCH |
|-------------|-----------------------|----------------|
| 114541      | Handle & 18" Blade    | 10             |
| 114544      | 18" Replacement Blade | 10             |



## TRI-FOLD HAND SAW

**Designed to cut: drywall, plaster, wood & metal.**

- Holds blades securely.
- Convenient blade storage
- Safely fold blade into handle.
- Compact design
- Fits easily into pocket or tool box.
- Replaceable blades
- Uses any standard reciprocating saw blade 6" or smaller.
- Rugged design
- Heavy-duty aluminum handle has a comfortable hand grip.
- Multi-purpose
- Push button design locks blade into three different positions for multiple cutting applications.



Part No.  
114546

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**SAW BLADES****DIAMONDX® CUTTER**

New brazing compound along with exceptionally high grade diamonds greatly extend the life of the blade.

- For rigorous & continuous metal cutting.
- Size: 14" x .145 x 1-20mm
- 5400 Max RPM's.
- Long Lasting - 70 x's longer.
- Cuts carbon & mild steel, angle iron, cast iron, concrete, ductile iron, masonry, metal plate, non-ferrous metals, pipe, PVC, rebar, round & sectional tubing, metal studs, sheet metal and stainless steel.

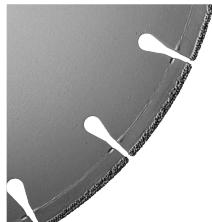
PSS112614

Part No. 815083

Use on high speed gas cut-off saws

**DIAMONDX® CHOP SAW BLADE**

High concentration of diamonds solidly bonded to a steel core.



PSS072314

- Size: 14" x .125 x 1
- 4365 Max RPM's.
- Long lasting - 60 x's longer.
- Cuts metal studs, rebar, angle, structural steel and non-ferrous materials.

- Cost savings - less down time & changeovers.
- Outperforms cut after cut, quickly & efficiently.

Part No. 815081

Use on low HP chop saws

**THE ANATOMY OF THE METAL DEVIL™ CIRCULAR SAW BLADES**

The secret to the Morse Metal Devil's ability to quickly and smoothly cut through tough metals lies in its unique combination on manufacturing quality, metallurgy and blade configuration. Teeth are arranged in varying numbers around a hardened steel inner plate. Each tooth is tipped with a unique combination of tungsten carbide and titanium carbide. These tips are brazed to the plate and arranged in a manner to assure longer life and smoother cutting action.

**The unique metallurgy of the CARBIDE TIPS and hardened steel inner plate combined with the configuration of the teeth.**

**A FASTER WAY TO CUT...** The Morse Metal Devil™ cuts through steel, iron and aluminum with hardly any frictional drag. Consequently, the time savings are dramatic and important to anyone trying to get more done in less time.

**CUT THROUGH SOLID STEEL PLATE IN LESS THAN 12 SECONDS...** In laboratory tests the Morse Metal Devil™ cut through 6" x 1/4" thick steel plate in less than 12 seconds. This Devil is a speed demon!

**A LONGER LASTING WAY TO CUT...** The unique metallurgy of the carbide tips and hardened steel inner plate combined with the configuration of the teeth and manufacturing quality create a circular saw blade that makes more cuts per blade than any other blade you can attach to a power tool.

**Metal Devil® Blades Are Carbide Tipped**



**The number of teeth on a blade depends on the diameter of the blade, the thickness and type of material being cut.**  
Generally speaking, blades for cutting thinner materials require more teeth with smaller gullets between teeth.

**Applications: Aluminum**

| PART NUMBER      | ARBOR DIA. | BLADE DIA. | NO. OF TEETH |
|------------------|------------|------------|--------------|
| <b>3,200 rpm</b> |            |            |              |
| <b>900980</b>    | 1 inch     | 9 inch     | 80           |
| <b>5,800 rpm</b> |            |            |              |
| <b>972560</b>    | 5/8 inch   | 7-1/4 inch | 60           |
| <b>900754</b>    | 20 mm      | 7 inch     | 54           |
| <b>900860</b>    | 20 mm      | 8 inch     | 60           |

**Applications: Steel**

| PART NUMBER      | ARBOR DIA. | BLADE DIA. | NO. OF TEETH |
|------------------|------------|------------|--------------|
| <b>1,800 rpm</b> |            |            |              |
| <b>901472</b>    | 1 inch     | 14 inch    | 66           |
| <b>3,200 rpm</b> |            |            |              |
| <b>900948</b>    | 1 inch     | 9 inch     | 48           |
| <b>5,800 rpm</b> |            |            |              |
| <b>972550</b>    | 5/8 inch   | 7-1/4 inch | 50           |
| <b>900736</b>    | 20 mm      | 7 inch     | 40           |
| <b>900850</b>    | 20 mm      | 8 inch     | 50           |



PSS110418



Max 8,300 rpm

**CONSTRUCTION SERIES CIRCULAR SAW BLADE**

Features precision ground teeth for smooth, accurate cuts.  
The corrosion resistant coating helps to prevent rusting.



- Induction-brazed industrial carbide tips for a more durable & longer life.
- Heat-treated plate that eliminates warping.
- Corrosion-resistant coating protects blades from natural acids in wood.



**WOOD APPLICATIONS**  
framing, ripping, deck & general purpose

| PART NUMBER   | DIA.  | TOOTH COUNT | ARBOR       | KERF | HOOK ANGLE | GRIND |
|---------------|-------|-------------|-------------|------|------------|-------|
| <b>900730</b> | 7-1/4 | 24          | 5/8 diamond | .087 | 19°        | ATB   |

# CARBIDE TIPPED HOLE CUTTERS

## CARBIDE TIPPED HOLE CUTTER SETS - MAGNUM SUPER PREMIUM

### TYPE CHC-AG CUTS UP TO 3/16" THIN MATERIAL

| PART NUMBER | KIT CONTAINS                     |
|-------------|----------------------------------|
| 113620      | 11/16, 13/16, 15/16, 1-1/16      |
| 113621      | 5/8, 3/4, 7/8, 1 inch            |
| 113622      | 7/8, 1-1/8, 1-3/8, 1-3/4, 2 inch |

- 3-flatted shank for keyless chucks.
- 135° split point.

All Sets  
Packaged  
in Sturdy  
Steel Case



### TYPE CHD-AG CUTS UP TO 1" THICK MATERIAL

| PART NUMBER | KIT CONTAINS                     |
|-------------|----------------------------------|
| 114004      | 11/16, 13/16, 15/16, 1-1/16      |
| 114005      | 5/8, 3/4, 7/8, 1 inch            |
| 114006      | 7/8, 1-1/8, 1-3/8, 1-3/4, 2 inch |

- Cuts 3 times faster than bi-metal hole saws.
- Produces overlapping and interrupted holes easily.

## CARBIDE TIPPED TYPE CHC-AG HOLE CUTTERS MAGNUM SUPER PREMIUM

| PART NUMBER | DIA.<br>INCHES | SHANK DIA.<br>INCHES |
|-------------|----------------|----------------------|
| 113617      | 9/16           | 3/8                  |
| 113618      | 5/8            | 3/8                  |
| 113619      | 11/16          | 3/8                  |
| 113624      | 3/4            | 3/8                  |
| 113625      | 13/16          | 3/8                  |
| 113627      | 7/8            | 3/8                  |
| 113628      | 15/16          | 3/8                  |
| 113629      | 1              | 3/8                  |
| 113632      | 1-1/16         | 3/8                  |
| 113633      | 1-1/8          | 3/8                  |
| 113636      | 1-3/16         | 3/8                  |
| 113637      | 1-1/4          | 3/8                  |
| 113638      | 1-5/16         | 3/8                  |
| 113639      | 1-3/8          | 3/8                  |
| 113640      | 1-7/16         | 3/8                  |
| 113641      | 1-1/2          | 3/8                  |
| 113642      | 1-9/16         | 3/8                  |

| PART NUMBER | DIA.<br>INCHES | SHANK DIA.<br>INCHES |
|-------------|----------------|----------------------|
| 113643      | 1-5/8          | 3/8                  |
| 113644      | 1-11/16        | 3/8                  |
| 113646      | 1-3/4          | 3/8                  |
| 113647      | 1-13/16        | 3/8                  |
| 113648      | 1-7/8          | 3/8                  |
| 113690      | 1-15/16        | 3/8                  |
| 113691      | 2              | 3/8                  |
| 113692      | 2-1/16         | 3/8                  |
| 113693      | 2-1/8          | 3/8                  |
| 113694      | 2-3/16         | 3/8                  |
| 113695      | 2-1/4          | 3/8                  |
| 113696      | 2-5/16         | 3/8                  |
| 113697      | 2-3/8          | 3/8                  |
| 113698      | 2-7/16         | 3/8                  |
| 113699      | 2-1/2          | 3/8                  |
| 113729      | 2-9/16         | 3/8                  |
| 113731      | 2-5/8          | 3/8                  |

| PART NUMBER | DIA.<br>INCHES       | SHANK DIA.<br>INCHES |
|-------------|----------------------|----------------------|
| 113732      | 2-11/16              | 1/2                  |
| 113733      | 2-3/4                | 1/2                  |
| 113734      | 2-13/16              | 1/2                  |
| 113735      | 2-7/8                | 1/2                  |
| 113739      | 2-15/16              | 1/2                  |
| 113745      | 3                    | 1/2                  |
| 113802      | 3-1/4                | 1/2                  |
| 113803      | 3-1/2                | 1/2                  |
| 113824      | 3-3/4                | 1/2                  |
| 113839      | 4                    | 1/2                  |
| 113861      | 4-1/4                | 1/2                  |
| 113863      | 4-1/2                | 1/2                  |
| 113876      | 4-3/4                | 1/2                  |
| 113877      | 5                    | 1/2                  |
| 113878      | Pilot Drill          |                      |
| 113879      | Screw                |                      |
| 113880      | Quick Release Spring |                      |

- Cuts up to 3/16"
- THIN MATERIAL.



## DEEPHOLE CARBIDE TIPPED TYPE CHD-AG HOLE CUTTERS MAGNUM SUPER PREMIUM

| PART NUMBER | DIA.<br>INCHES | SHANK DIA.<br>INCHES |
|-------------|----------------|----------------------|
| 113881      | 9/16           | 3/8                  |
| 113882      | 5/8            | 3/8                  |
| 113883      | 11/16          | 3/8                  |
| 113884      | 3/4            | 3/8                  |
| 113885      | 13/16          | 3/8                  |
| 113892      | 7/8            | 3/8                  |
| 113893      | 15/16          | 3/8                  |
| 113894      | 1              | 3/8                  |
| 113898      | 1-1/16         | 3/8                  |
| 113899      | 1-1/8          | 3/8                  |
| 113999      | 1-3/16         | 3/8                  |
| 114009      | 1-1/4          | 3/8                  |
| 114010      | 1-5/16         | 3/8                  |
| 114011      | 1-3/8          | 3/8                  |
| 114012      | 1-7/16         | 3/8                  |
| 114013      | 1-1/2          | 3/8                  |
| 114014      | 1-9/16         | 3/8                  |

| PART NUMBER | DIA.<br>INCHES | SHANK DIA.<br>INCHES |
|-------------|----------------|----------------------|
| 114015      | 1-5/8          | 3/8                  |
| 114016      | 1-11/16        | 3/8                  |
| 114017      | 1-3/4          | 3/8                  |
| 114018      | 1-13/16        | 3/8                  |
| 114019      | 1-7/8          | 3/8                  |
| 114130      | 1-15/16        | 3/8                  |
| 114131      | 2              | 3/8                  |
| 114132      | 2-1/16         | 3/8                  |
| 114148      | 2-1/8          | 3/8                  |
| 114149      | 2-3/16         | 3/8                  |
| 114181      | 2-1/4          | 3/8                  |
| 114182      | 2-5/16         | 3/8                  |
| 114183      | 2-3/8          | 3/8                  |
| 114184      | 2-7/16         | 3/8                  |
| 114185      | 2-1/2          | 3/8                  |
| 114186      | 2-9/16         | 3/8                  |
| 114187      | 2-5/8          | 3/8                  |

| PART NUMBER | DIA.<br>INCHES       | SHANK DIA.<br>INCHES |
|-------------|----------------------|----------------------|
| 114188      | 2-11/16              | 1/2                  |
| 114189      | 2-3/4                | 1/2                  |
| 114190      | 2-13/16              | 1/2                  |
| 114191      | 2-7/8                | 1/2                  |
| 114192      | 2-15/16              | 1/2                  |
| 114193      | 3                    | 1/2                  |
| 114194      | 3-1/4                | 1/2                  |
| 114195      | 3-1/2                | 1/2                  |
| 114196      | 3-3/4                | 1/2                  |
| 114197      | 4                    | 1/2                  |
| 114198      | 4-1/4                | 1/2                  |
| 114199      | 4-1/2                | 1/2                  |
| 114211      | 4-3/4                | 1/2                  |
| 114212      | Pilot Drill          |                      |
| 113879      | Screw                |                      |
| 114213      | Quick Release Spring |                      |

- Cuts up to 1"
- THICK MATERIAL.



## CARBIDE TIPPED HOLE CUTTER - EXTENSIONS

| PART NUMBER | BORE/<br>SHANK<br>DIA. | OVERALL<br>LENGTH | EXT.<br>LENGTH |
|-------------|------------------------|-------------------|----------------|
| 114007      | 3/8                    | 7/8               | 6-1/4          |
| 114008      | 1/2                    | 7/8               | 6-1/4          |



- Includes allen wrench for CHC-AG & CHD-AG hole cutters only.

# ROTABROACH® CUTTERS

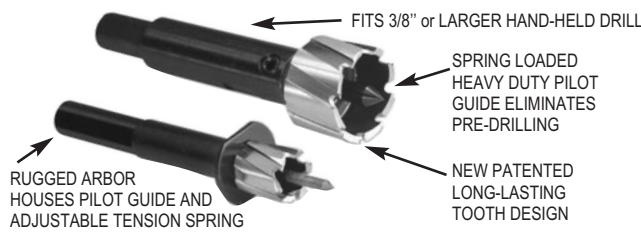
## ROTABROACH® CUTTERS

Body shops, frame straighteners, rustproofers and undercoaters find using **ROTABROACH® CUTTERS** is the best, fastest way to cut holes in steel, sheet metal, wood and plastic.

A spring-loaded pilot guide in arbors eliminates predrilling. The cutters are designed to prevent chip clogging.

- Heavy duty hole cutter.
- Revolutionary patented step-tooth design for longer cutter life.
- Super-fast, rugged.
- 3x's faster and last 10x's longer than twist drills or holesaws.
- No deforming of stock.
- No jagged edges.
- No out of round holes.

### HEAVY DUTY USE: For sheet metal & materials up to 1/2" - thick.



### INDIVIDUAL CUTTERS



Use Arbor,  
Part No.'s 113026 or 113027

| PART NUMBER | DIA. INCHES | DECIMAL EQUIVALENT |
|-------------|-------------|--------------------|
| 113491      | 3/8         | .3750              |
| 113492      | 7/16        | .4375              |
| 113493      | 1/2         | .5000              |
| 113494      | 9/16        | .5625              |
| 113495      | 5/8         | .6250              |
| 113496      | 3/4         | .7500              |

### ARBORS



ARBOR with Pilot Pin  
For 1/4" to 3/4" (6mm-20mm) Cutters

Use Part No. 113026



ARBOR with Skip-Proof Pilot  
For 3/8" to 3/4" (10mm-20mm) Cutters

Use Part No. 113027

### PILOTS

Comes three per pack.

| PART NUMBER | DESCRIPTION            |
|-------------|------------------------|
| 113028      | Pilot for 113027 Arbor |
| 113025      | Pilot for 113026 Arbor |

PSS110716.113489-496

### GENERAL PURPOSE KIT - 113485

Contains:

- 1 ea. arbor to fit 1/4", 3/8", & 1/2" chucks
- 1 ea. spring loaded pilot guide & center punch
- 1 ea. allen wrench to adjust spring tension
- 1 ea. extra pilot, stop and washer
- 1 ea. 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", & 3/4" cutters
- 1 ea. sturdy plastic case



### QUICK RELEASE CARBIDE TIPPED HOLE CUTTERS

Cuts steel plate, iron, aluminum, copper, cast iron, stainless steel, fiberglass & plastics.

- Provides longer life & faster cutting.
- Portable tool for professional electricians, mechanics, plumbers & contractors.
- Cost effective alternative to bi-metal.
- Excellent wear & heat resistance.
- Tip pocket for quicker chip extraction.
- Ejects slugs faster, saving time.
- Safety collar stop prevents over penetration.



Quick Release Spring  
Part No. 113608

Pilot Drill  
Part No. 113606



Quick Release 1/4" Diameter Hex Shank  
Part No. 113607



Part No. 501843  
Includes all hole cutters listed,  
pilot drill, screw & quick release spring  
8 pieces • 8 items • 12116 steel tray

113601 113603 113605 113607  
113602 113604 113606 113608  
Numbers in assortment

PSS112816.REV040617

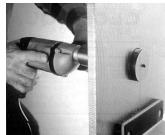
USE FOR:  
Auto & truck body repair, junction & switch boxes,  
metal studs, appliances and more.

| PART NUMBER | DIA. INCHES | PART NUMBER | DIA. INCHES          |
|-------------|-------------|-------------|----------------------|
| 113609      | 5/8         | 113614      | 1-1/8                |
| 113610      | 11/16       | 113615      | 1-3/16               |
| 113601      | 3/4         | 113604      | 1-1/4                |
| 113611      | 13/16       | 113616      | 1-5/16               |
| 113602      | 7/8         | 113605      | 1-3/8                |
| 113612      | 15/16       | 113606      | Pilot Drill          |
| 113603      | 1           | 113607      | Screw                |
| 113613      | 1-1/16      | 113608      | Quick Release Spring |

# HOLE SAWS and ACCESSORIES

## BI-METAL HOLE SAWS

Twice The Life As Prior Models, Enhanced Teeth, Thin Kerf Design & Advanced Coating



GENERAL and  
INDUSTRIAL  
MAINTENANCE



PLUMBING



LOCKSMITHS

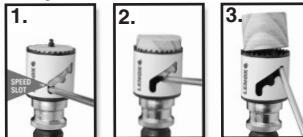
Also used by Electrician's  
and Automotive Shops.

PSSB070912

New speed slot hole saws feature a staircase design for easy removal.  
Easily ejects plugs with a standard screwdriver.

- Teeth stay sharper longer for smoother cuts.
- Faster cutting.

Easy as:



| PART NO. | STANDARD CUT<br>HOLE SAW | DIA.<br>INCHES | DIA.<br>MM         | PART NO.<br>ARBOR |
|----------|--------------------------|----------------|--------------------|-------------------|
| 114505   | 5/8                      | 16             | 113451, 480 or 481 |                   |
| 113452   | 3/4                      | 19             | 113451, 480 or 481 |                   |
| 113453   | 7/8                      | 22             | 113451, 480 or 481 |                   |
| 113454   | 1                        | 25             | 113451, 480 or 481 |                   |
| 113455   | 1-1/8                    | 29             | 113451, 480 or 481 |                   |
| 113456   | 1-1/4                    | 32             | 113482 or 498      |                   |
| 113457   | 1-3/8                    | 35             | 113482 or 498      |                   |
| 113458   | 1-1/2                    | 38             | 113482 or 498      |                   |
| 113459   | 1-3/4                    | 44             | 113482 or 498      |                   |
| 113460   | 2                        | 51             | 113482 or 498      |                   |
| 113463   | 2-1/8                    | 54             | 113482 or 498      |                   |
| 113461   | 2-1/4                    | 57             | 113482 or 498      |                   |

| PART NO. | STANDARD CUT<br>HOLE SAW | DIA.<br>INCHES | DIA.<br>MM    | PART NO.<br>ARBOR |
|----------|--------------------------|----------------|---------------|-------------------|
| 113462   | 2-1/2                    | 63             | 113482 or 498 |                   |
| 114506   | 3                        | 76             | 113482 or 498 |                   |
| 114507   | 3-1/8                    | 79             | 113482 or 498 |                   |
| 114508   | 3-1/4                    | 83             | 113482 or 498 |                   |
| 114509   | 3-1/2                    | 89             | 113482 or 498 |                   |
| 114510   | 3-5/8                    | 92             | 113482 or 498 |                   |
| 114511   | 3-3/4                    | 94             | 113482 or 498 |                   |
| 114512   | 4                        | 102            | 113482 or 498 |                   |
| 114513   | 4-1/8                    | 105            | 113482 or 498 |                   |
| 114515   | 4-1/2                    | 114            | 113482 or 498 |                   |
| 114516   | 4-3/4                    | 121            | 113482 or 498 |                   |

## HOLE SAW ARBORS – ALL ARBORS ARE SUPPLIED WITH PILOT DRILL

1/4" Rd. Shank  
Fits: 9/16" - 1-3/16"



Part No.  
113480

3/8" Hex Shank  
Fits: 9/16" - 1-3/16"



Part No.  
113451

1/2" Hex Shank  
Fits: 9/16" - 1-3/16"



Part No.  
113481

3/8" Hex Shank  
Fits: 1-1/4" - 6"



Part No.  
113482

1/2" Hex Shank  
Fits: 1-1/4" - 6"



Part No.  
113498

Snap-Back  
Fits: 1-1/4" - 6"



Part No.  
114517

Snap-Back  
Fits: 5/8" - 1-1/8"



Part No.  
114518

## 1/4" PILOT DRILLS

Fits: 113480, 113481  
and 113498



Part No.  
113483

Fits: 113451 & 113482



Part No.  
113484

## ASSORTMENTS

Portable, easy to carry. Perfect size for those small jobs around the shop or out in the field.



### 7 PC. STARTER ASSORTMENT

Part No. 113450

1 ea. - 3/4", 7/8", 1", 1-1/8", 1-1/4",  
Arbor 113451 and adapter  
in plastic case.

Numbers in assortment

Complete coverage for bringing pipe and conduit through floors, ceilings, walls and into junction boxes.



### ELECTRICIAN ASSORTMENT

Part No. 501637

15 pieces • 13 items

12090 steel tray

Includes 113481, 113498 Arbors and

3 spare pilot drills.

113453 113459 113481 114506 114516

113455 113460 113483 114510

113457 113462 113498 114513

Numbers in assortment



### SHOP ASSORTMENT

Part No. 501636

17 pieces • 15 items

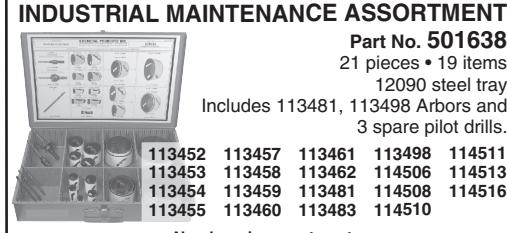
12051 steel tray

Includes 113481, 113498 Arbors and

3 spare pilot drills.

113452 113455 113458 113462 113498  
113453 113456 113459 113481 114505  
113454 113457 113460 113483 114506

Numbers in assortment



### INDUSTRIAL MAINTENANCE ASSORTMENT

Part No. 501638

21 pieces • 19 items

12090 steel tray

Includes 113481, 113498 Arbors and

3 spare pilot drills.

113452 113457 113461 113498 114511

113453 113458 113462 114506 114513

113454 113459 113481 114508 114516

113455 113460 113483 114510

Numbers in assortment

# HOLE SAWS, FILES and ACCESSORIES

## ASSORTMENTS

Compact sized kits (10.25" L x 11.88" W x 3.50" D) - easy to store, transport and use.  
Fits into any tool bag, bucket or box.

### 7 PC. PLUMBER ASSORTMENT

Part No. 501770

1 ea. - 1-1/4", 1-3/8", 1-1/2", 2", 2-1/2",  
Arbor's 114517 & 114518 in plastic case.

### 8 PC. ELECTRICIAN ASSORTMENT

Part No. 501771

1 ea. - 7/8", 1-1/8", 1-3/8", 1-3/4", 2", 2-1/2",  
Arbor's 114517 & 114518 in plastic case.

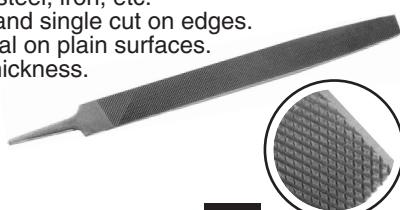


501771  
shown

## FLAT BASTARD

- Used for working on steel, iron, etc.
- Double cut on sides and single cut on edges.
- Enables quick removal on plain surfaces.
- Tapered in width & thickness.

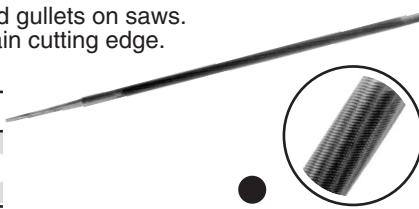
| PART NUMBER | LENGTH INCHES |
|-------------|---------------|
| 313324      | 6             |
| 313325      | 8             |
| 313326      | 10            |



## ROUND CHAIN SAW

- Used for filing round gullets on saws.
- Leaves smooth chain cutting edge.
- Parallel in shape.

| PART NUMBER | LENGTH INCHES |
|-------------|---------------|
| 313309      | 6 x 5/32      |
| 313343      | 8 x 3/16      |
| 313344      | 8 x 7/32      |



## MILL

- Used for sharpening mill saws, circular saws, axes, hoes, spades, knives & for finishing metals.
- Single cut on sides and edges.

| Smooth      |               |
|-------------|---------------|
| PART NUMBER | LENGTH INCHES |
| 313311      | 8             |
| 313312      | 10            |

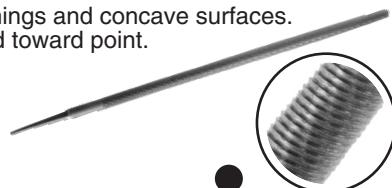
| Bastard     |               |
|-------------|---------------|
| PART NUMBER | LENGTH INCHES |
| 313337      | 8             |
| 313339      | 12            |



## ROUND BASTARD

- Used for circular openings and concave surfaces.
- Shape slightly tapered toward point.

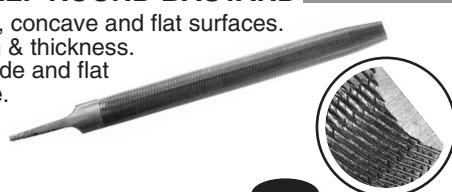
| PART NUMBER | LENGTH INCHES |
|-------------|---------------|
| 313332      | 4             |
| 313334      | 8             |
| 313335      | 10            |



## HALF ROUND BASTARD

- Used for convex, concave and flat surfaces.
- Tapered in width & thickness.
- Round on one side and flat on the other side.

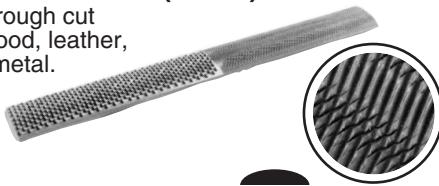
| PART NUMBER | LENGTH INCHES |
|-------------|---------------|
| 313328      | 8             |



## SHOE RASP (4 IN 1)

- Produces a fast, rough cut appropriate for wood, leather, hooves and soft metal.
- Avoids clogging.

| PART NUMBER | LENGTH INCHES |
|-------------|---------------|
| 313308      | 8             |



## THREE SQUARE

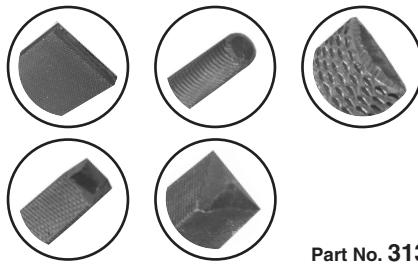
- Used for internal angles more acute than right angles and filing of taps and cutters.
- Triangular cross-section, double cut with sharp edges.

| PART NUMBER | LENGTH INCHES |
|-------------|---------------|
| 313301      | 6             |



## FILE & RASP SET

- Contains (5) 8" files (overall length 12-5/16" with handle).
- Includes: flat, round, halfround, square and threesome.
- Individually hardened to 64 HRC for longer tool life.
- All files are made from high quality chromium alloy steel.
- Use on metal, plastic, wood, leather, glass, etc.
- Use to sharpen axes, knives, scissors, mower blades, etc.



Part No. 313350

## DIAMOND FILE SET

- Contains (4) 8" files (overall length 10").
- Many times harder than conventional files.
- Includes: half round, square, flat & round.
- Cuts faster & smoother for a better finish.
- Cuts into welds & hardened surfaces where other files can't.
- Cuts 10X faster and in all directions.
- Custom folding pouch.



Part No. 313351

# CUTTERS, SNIPS and SCRAPING

## POWER CUTTER UTILITY SNIPS



Part No. 213224



The powerful, all purpose cutting tool.

A true mechanic's aid for the automotive and auto body shop.

- Stainless steel blades are offset to keep hands above material for safe, easy, accurate cutting action.
- Cuts thin gauge sheet metal, wire, leather, rubber, vinyl, sandwich gaskets, fibre glass cloth, metal screen, hoses, floor mats and carpeting.

## AVIATION SNIPS

Part No. 113320

YELLOW HANDLES



Part No. 113321

GREEN HANDLES



Part No. 113322

RED HANDLES



- Cuts all sheet metals up to 18 gauge, with half the effort of conventional snips.
- Compound action "Aviation Snips" conform to all government specifications for cutting and strength.
- Blades are forged from special analysis tool steel.

- Cutting edges serrated to prevent slipping.
- Self opening action for fast easy feed.
- Each snip is dipped in rust preventive oil.
- Handles are contoured and plastic dipped to provide a firm, comfortable grip.
- Color coded handles for easy identification.

| PART NUMBER | COLOR OF HANDLES | CUT PATTERN |
|-------------|------------------|-------------|
| 113320      | Yellow           | Straight    |
| 113321      | Green            | Right       |
| 113322      | Red              | Left        |

## PUTTY KNIVES and SCRAPERS

Used for spackling, scraping, removing grease, paint, varnish, and gaskets.



- Handles do not absorb grease or oils.
- Keeps hands cleaner.
- Blades are riveted to handle for durability.
- Holes in handles for hanging.
- Blades are constructed of high carbon cutlery steel.

| BLADE WIDTH (INCHES) | DESCRIPTION | PART NUMBER     |
|----------------------|-------------|-----------------|
| 1-1/4                | Putty Knife | Stiff 213060    |
| 1-1/4                | Putty Knife | Flexible 213061 |
| 3                    | Scraper     | Stiff 213062    |
| 3                    | Scraper     | Flexible 213063 |
| 6                    | Taping      | Flexible 213064 |

NOTE: Designs may vary. Subject to availability. We reserve the right to substitute when necessary.

## INSPECTION STICKER SCRAPER

- Remove stickers, paint, varnish, and tar from glass.
- E-Z grip vinyl handle.
- Replaceable single edge razor blade.
  - 7-3/4" long, complete with one blade.
  - Folds in half to lock blade safely inside handle.



Part No. 113113

Replacement blade:  
Part No.'s. 11301 or 11304

## WINDOW SCRAPER



Part No. 113229

Replacement blade:  
Part No.'s. 11301 or 11304

- This small, easy to handle scraper gets into all those tight places other scrapers cannot.
- It removes inspection stickers, excess paint, and more, from any window.
- This versatile tool also snaps open & closed for safety.
- Comes complete with Part No. 11301 razor blade.

## RAZOR BLADE SCRAPER



Part No. 213652

Replacement blade:  
Part No.'s. 11301, 11302 & 11304

- Designed to reach in tight places.
- Comes with five stainless steel blades for removing stickers from windshields, bumpers, etc.
- Also comes with a plastic blade for use on plastic laminated windshields to prevent scratching.
- Spring-release allows easy interchange of blades.
- Hollow handle stores all blades when not in use.
- Reverse in holder for storage.



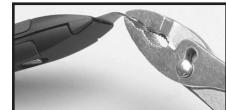
Part No. 213279

| PART NUMBER | BLADE WIDTH (INCHES) | QTY |
|-------------|----------------------|-----|
| 213280      | 1                    | 6   |
| 213281      | 1-1/2                | 6   |
| 213282      | 2                    | 6   |

- Sharp hardened steel blades remove carbon, old gasket material adhesives, sludge, and other hard-to-clean substances.
- Loosen handle to interchange blades.
- 1", 1-1/2" & 2" blades included.

**CUTTING TOOLS****PREMIUM UTILITY BLADES****The Only Bi-Metal Utility Blade**

- Up to 3x the life of carbon blades.
- Bi-metal patent-pending design.
- Safe, shatter-resistant blade.
- Double-notched - fits standard utility knives.
- Great for drywall, metal scoring, and all regular uses.
- M-2 hardened tool steel for edge durability.
- Honed edge angle for maximum sharpness.
- Electron beam weld protects against tip strippling.
- Spring steel backing material for shatter resistance.
- .025 thickness.

Part No. 113543  
5 per pack**HEAVY DUTY UTILITY BLADE**

- Heat treated carbon steel.



Part No. 113538 50

**PLASTIC RAZOR BLADE**

- Eliminate scratching of plastic coated windshield.
- Removes stickers & labels without scratching.
- Lightweight, long lasting.



Part No. 11302 24

Use on all plastic coated windshields (used on many G.M. late model cars)

**HEAVY DUTY INDUSTRIAL RAZOR BLADES**

- Industrial quality.
- Heavy gauge.
- Specially ground sharp, long lasting edge.
- Fits most knives & inspection sticker scrapers available today.
- Packed in dispenser tray.

.009 Gauge Steel  
Part No. 11301 100

Extra Heavy Duty For  
Maximum Strength  
.012 Gauge Steel  
Part No. 11304 100

**LENOX® GOLD™ QUICK CHANGE RETRACTABLE UTILITY KNIFE**

- Durable construction and comfortable grip for extended use.
- Extremely durable stainless steel nose.
- One piece titanium coated nose eliminates spreading.
- No tools needed to open.
- 3 Lenox shatter-resistant blades included.
- Holds up to 5 blades, inside storage area.



Part No. 113542

Replacement bi-metal utility blades:  
Part No. 113543 5

**RETRACTABLE UTILITY KNIFE**

- Heavy duty construction.
- 2 steel blades included.
- Contour grip.

Replacement blades: Part No.'s 113538 &amp; 113543

Part No. 113535

**BREAKAWAY BLADE CUTTER**

- Retractable cutter with snap off blades.
- Always have a sharp edge when needed.
- 14 + 1 high quality blades.
- Ergonomic cushioned grip handles.
- Cuts paper, cardboard, foam, leather, rubber, vinyl & more.

PSS102617

Part No. 11308

**COMPOUND RATCHET ACTION CUTTER**

- Handle molded from G.E. Valox #508 - glass filled for strength.
- Stainless steel replaceable blade.
- All internal parts and pivots are made of stainless steel for long life.
- Completely rust-proof.
- Compounded ratchet action multiplies normal hand pressure and reduces user fatigue.
- Cuts all rubber, plastic hose and PVC pipe up to 1-1/8" (2.8 cm.)
- Provides a straight, even, clean cut.
- Made in the U.S.A.

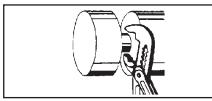
Part No. 213648



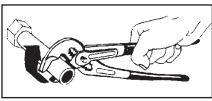
# PLIERS

## COBRA PLIERS

- Self-gripping jaws produce a powerful and safe grip, eliminating the danger of slip-off during use.
- Effortless push button release by thumb pressing instead of cumbersome handle locking.
- Special safety stop prevents hands from pinching.
- Eliminates nut burring and knuckle busting. An active contribution for your safety.
- Drop forged and oil-hardened from selected Chrome Vanadium steel.
- From top to toe the COBRA™ is wear resistant, secure against fracture, extremely tough, and withstands the strongest of loads.
- These fine crafted tools feature 18 - 30 position adjustments & memory retention of the jaw opening.
- PVC coated handles for operator comfort.



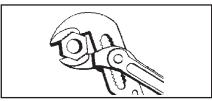
Extra thin jaws for easy access to tight work areas.



Operates with one handed, downward pressure without squeezing.



Unique design features let this tool replace the need for numerous traditional tools.



Patented jaw design insures grip on round, square and hexagonal pieces.

| PART NUMBER | LENGTH (INCHES) |
|-------------|-----------------|
| 113116      | 4               |
| 113518      | 7               |
| 113519      | 10              |
| 113522      | 12              |
| 113520      | 16              |
| 113515      | 22              |



The Most Versatile  
Pliers Available  
w/Unlimited Apps.

|  |
|--|
| Part No. 113500                                  |
| 4PC. COBRA PLIER SET<br>7", 10", 12" & 16" sizes |

PSS012714 &  
PSSB020316  
PSSBKNIPEX090220

## INT. / EXT. RETAINING RING PLIERS

- Carbon steel with black oxide finish.



- Converts by reversing handles.

| PART NUMBER | STYLE        |
|-------------|--------------|
| 52802       | Straight Tip |
| 52803       | 90° Tip      |

## CHANNELLOCK® PLIERS

For gripping and turning objects of various shapes, including pipes, rods, hose and cable connections and many other mechanical devices.

- Pliers have plastic grip handles for extra hand comfort and improved appearance.
- Professional quality.
- Precision made for greater accuracy.
- Hardened steel for extra strength and long life.

## SOLID JOINT PLIERS



| LENGTH | PART NUMBER | TYPE                        | FIGURE |
|--------|-------------|-----------------------------|--------|
| 6      | 813208      | Long Nose w/cutter          | A      |
| 7-1/2  | 813213      | Long Nose w/cutter          | B      |
| 7      | 813209      | Diagonal Cutter             | C      |
| 8      | 813215      | Diagonal Cutter w/Lap Joint | D      |

## SLIP JOINT PLIERS with Side Cutter



| LENGTH | PART NUMBER | MAXIMUM JAW OPENING |
|--------|-------------|---------------------|
| 7      | 813214      | 1-1/4               |

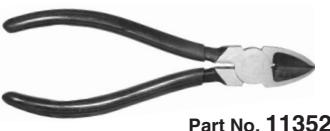
## TONGUE and GROOVE PLIERS

- Special jaw design accommodates many shapes.
- Offset head for greater leverage.



| LENGTH | PART NUMBER | MAXIMUM JAW OPENING | NUMBER of JAW POSITIONS | FIGURE |
|--------|-------------|---------------------|-------------------------|--------|
| 6-1/2  | 813225      | 1-1/16              | 5                       | B      |
| 9-1/2  | 813226      | 1-1/4               | 5                       | B      |
| 9-1/2  | 813206      | 1-1/2               | 5                       | A      |
| 10     | 813207      | 2                   | 7                       | A      |
| 12     | 813227      | 2-1/4               | 6                       | B      |
| 12     | 813212      | 2-1/4               | 7                       | A      |
| 16     | 813211      | 4-1/4               | 8                       | A      |

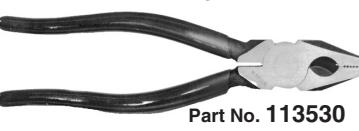
## DIAGONAL CUTTING PLIERS



- 6-1/2" long.
- Standard bevel cutting edges.
- Tapered nose.
- Cushion grips.

## LINESMAN PLIERS

- Insulated cushion grips.



Part No. 113530

- High leverage design for E-Z cutting.
- Large knurled jaws for better gripping.
- Drop forged alloy steel.

## LONG NOSE PLIERS



Part No. 113528

- 6-1/2" long.
- Chrome alloy steel.
- Drop forged.
- Insulated cushion grips.

## SLIP JOINT PLIERS

- 6" and 8" long.
- Cushioned handles.



| PART NUMBER | LENGTH (INCHES) |
|-------------|-----------------|
| 113532      | 8               |

## SPRING HOSE CLAMP PLIERS

Works on flat band, spring band and space saver clamps.



Part No. 113659 (7-1/4" overall length)

1/8"-2" capacity / 15 adjustment positions

Part No. 113510 (10" overall length)

1-7/8"-2-3/4" capacity / 25 adjustment positions

## REPLACES 3 SIZES OF OTHER HOSE CLAMP PLIERS

Application Areas: Air Intake, Cooling, Charged Air, Water Return Flow, Thermostat, Fuel & Heating

- Rotatable grip inserts for securely gripping clamp in all positions.
- Chrome vanadium steel, forged & oil hardened.
- Slim head design, narrow head width, works great in confined areas.

**HOG RING PLIERS**

Part No. 113503 (7-3/4" overall length)



**Use for repairs to car seats, new seat covers, replace sensors or heating mats.**

- For professional repair on profiled seats to the seat frame with all popular upholstery clips.
- Easy operation, user friendly.
- Special tool steel, forged, oil-hardened.
- Multi-component grips.
- Durable and strong.

**SPECIAL GROOVES SECURES & POSITIONS CLIPS CORRECTLY**

PSSB122016

**EAR CLAMP PLIERS (For 1 & 2 Ear Clamps)**

PSSB122016

Part No.'s 113511 & 113512\*  
(8-3/4" overall length)

**For simple and reliable mounting of 1-ear & 2-ear clamps (Oetiker System or similar).**

- No damage to press points on ear clamps.
- Slim head design permits good accessibility in confined areas.
- Versatile use for clamps on CV boots, cooler & fuel lines, air pressure systems & compressors.
- Durable & strong high grade special tool steel, forged & oil hardened.
- \* Especially suitable for universal use due to additional side jaw (Part No. 113512).

**NEEDLE NOSE COMBO PLIERS**

PSSB122016

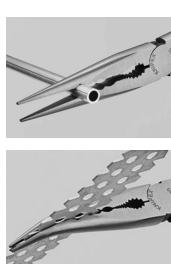
Part No.'s 113513 & 113514  
(6" overall length)

**For working in confined areas with the slim head design & pointed jaws (anti-twist).**

- Securely grips flat parts.
- Milled groove in gripping area.
- Permits nails, pins, bolts & small parts to be held & pulled.
- Easy cutting due to high leverage joint.
- Cutting edges for soft, medium-hard and hard wire.
- Long service life and stable tips.
- Forged from high grade tool steel, manifold oil-hardened.

**EXTRA LONG NEEDLE NOSE PLIERS**

PSSB122016

Part No. 113516 (11-1/4" overall length) **STRAIGHT**  
Part No. 113596 (11" overall length) **CURVED STYLE**

**Slim, long design for gripping, adjustment & assembly work in hard-to-reach areas.**

- Deep parts can be easily reached using the slim, half round tips.
- Grip, hold & guide small copper pipes, screws, cables as well as other round parts.
- Serrated pipe grip for round parts.
- Used especially in the automotive trade & mechanical engineering industries.
- Slim yet robust tool.
- Special tool steel, oil-hardened and tempered.

**COBALT® XL COMPACT BOLT CUTTERS**

PSSB122016

Part No. 113597 **STRAIGHT STYLE**Part No. 113598 **RECESS STYLE**  
(10" overall length)

**Blades with recess for easier cutting of larger cross sections due to better leverage**

**For powerful cutting of larger cross-sections as well as very hard materials.**

- 60% less effort compared to high leverage diagonal cutters of the same size.
- 40-fold increase of manual force due to special joint design.
- Two-hand operation for maximum cutting force.
- Gripping surface below the joint for gripping & pulling wires with a diameter as from 1.0mm.
- Induction-hardened precision blades: cutting edge hardness approx. 64HRC.
- Chrome vanadium heavy duty steel, forged, manifold oil-hardened.

# PLIERS

## SIPHON & CONNECTOR PLIERS

**Plastic jaws protect sensitive areas from damage.**

- Box joint design for greater stability & durability.
- Working capacity: 10mm to 75mm.
- Ideal for tightening & loosening siphon screw connections, plastic pipe fittings & round union nuts.
- Detaches hoses & gently loosens stuck hoses & fittings.
- Fine serrated edge grips screw connections gently but powerfully.

PSSB020316



**VIDEO  
AVAILABLE**



Part No. 113504 (10" overall length)

**25 ADJUSTMENT POSITIONS  
WITH THE PUSH OF A BUTTON**



**CLOSE UP VIEW**

## HOSE CLAMP PLIERS (FOR CLICK CLAMPS)

**Used to open and close click clamps.**

- Slim head design with narrow width and rotating grip inserts.
- Good leverage allows clamps to be opened or closed again with minimum effort.
- For easy working on fuel hoses, vacuum pipes and suction nozzles.
- Additional function; detaches hoses gently using serrated jaw.

PSSB020316



**VIDEO  
AVAILABLE**

Part No. 113658 (7-1/4" overall length)  
1/8"-1-3/4" openingPart No. 113505 (9-7/8" overall length)  
1/2"-2-5/16" opening

**CLOSE UP VIEW**

## COMBINATION PLIERS

**Black atramentized pliers with plastic coated handles.**

- Use on medium hard wire, hard wire, copper cable and multi stranded wire.
- Gripping zones for flat and round material.
- Cutting edges for soft or hard wire.
- Long cutting edges for thicker cable.
- Cutting edge hardness approx. ca. 60 HRC.
- Special tool steel, forged and oil-hardened.

PSSB020316



Part No. 113506 (7-5/16" overall length)



**CLOSE UP VIEW**

## COMBINATION PLIERS (With Comfort Grip)

**With comfort grip plastic coated handles.**

- Gripping zones for flat and round material, suitable for versatile use.
- Cutting edges for soft or hard wire.
- Long cutting edges for thicker cable.
- Cutting edge additionally induction hardened approx. 60 HRC.
- Special tool steel, forged and oil-hardened.

PSSB020316



Part No. 113507 (7-5/16" overall length)



**CLOSE UP VIEW**

## MULTI-PLIERS

**"6" tools-in-one - cuts, strips, crimps, grips, bends & de-burs.**

- Use as a cable shear.
- Will not crush or fray wire or conductor cables.
- Easily strips cable sheathing.
- Features a universal crimper.
- Use for gripping & moving of parts.
- Use to pierce & de-bur.
- Bend & manipulate using the tip of the gripping jaws.
- Use the outside head for scraping & cleaning.

PSSB020316



Part No. 113508 (8" overall length)



**CLOSE UP VIEW**

## HALOGEN BULB EXCHANGE PLIERS

**For the installation of wedge bulb lamps.**

- Plastic coated gripping surfaces.
- Plastic coated handles.
- Polished head.
- Black atramentized pliers.
- Chrome vanadium electric steel, forged and oil-hardened.



Part No. 113509 (6-1/4" overall length)



**CLOSE UP VIEW**

**UNIVERSAL LOCKING PLIERS**

Part No. 213355

**70° angled design allows 50% more force.**

- Made of superior quality carbon steel.
- Fits in the palm of hand.
- One-hand operation, keeps wrist straight to reduce strain.
- Pistol grip with ergonomic grip.
- Long needle nose with serrated teeth.
- Tight grip, 50% more torque than other pliers.
- Adjustable jaw opening for tight clamp force.
- Excellent push, pull, torque action.

**FIVE IN ONE - PISTOL GRIP PLIERS**

- 1) 3.5" long gripping nose pliers
- 2) Bolt/screw extractor
- 3) 7 sizes of wire strippers: 10-12-14-16-18-20-22 (AWG)
- 4) Wire cutter
- 5) Crimps fasteners 10-22 (AWG)

**10" long nose pliers with crimping, cutting, wire stripping, and fastener extraction functions.**

- Offset jaws offer a clear line of sight to the work being performed.
- Ergonomic design of pistol grip is easier to use in difficult to reach areas.
- Offers better orientation of the hand and forearm during grip exertion, reducing muscle fatigue.
- All pliers exceed ANSI and ASME standards.

Part No. 113031 (10" overall length)

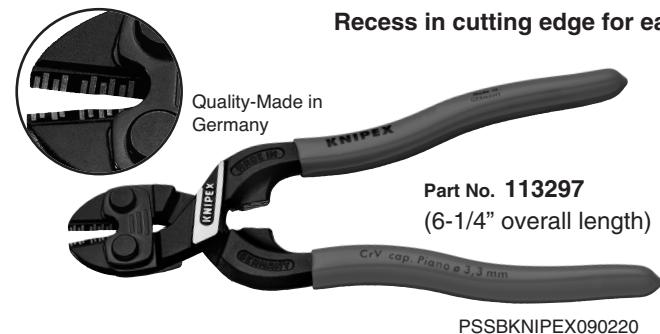
**2 PIECE "KIWI" PLIERS SET**

Part No. 113032

**HIGH LEVERAGE FLUSH CUTTER****Easy flush cutting of plastic components and soft metals.**

Part No. 113586 (8" overall length)

- Uses 60% less effort compared to other cutters.
- Easy cutting of thicker work pieces.
- Precision cutting edges, induction hardened approx. 59 HRC for soft materials.
- 20° angled head for flush cutting.
- Cuts copper busbar clean and flush.
- Easily handles plastic sprues with large diameters up to 1/4".
- German chrome vanadium electric steel, forged, multi stage oil-hardened.

**COMPACT BOLT CUTTERS****Recess in cutting edge for easier cutting of thick material.**

Part No. 113297

(6-1/4" overall length)

PSSBKNIPEX090220

- Compact and powerful, cuts bolts, nails, rivets, etc. up to 13/64".
- Extremely high cutting performance in a convenient 6-1/4" pocket size length.
- Heavy duty induction hardened edges for cutting thin, hard wire, screws and springs (approx. 64HRC).
- No slipping of material due to laser cutting edge.
- Gripping surface below the joint for gripping and pulling wires from 3/64".
- Chrome vanadium heavy duty steel, forged, multi-stage oil hardened.

# PLIERS and CLAMPS

## VISE-GRIP® STRAIGHT JAWS

Without  
Wire Cutters



| PART NUMBER | LENGTH | JAW THICKNESS | JAW ADJUSTMENT | REPLACEMENT SPRINGS |
|-------------|--------|---------------|----------------|---------------------|
| 113380      | 10"    | 5/8"          | 1-1/2"         | ---                 |
| 113381      | 7"     | 7/16"         | 1-1/8"         | 113397              |

## VISE-GRIP® LONG NOSE - LOCKING

With  
Wire Cutters



| PART NUMBER | LENGTH | JAW THICK AT TIPS | JAW THICK AT BASE | JAW ADJUST AT TIPS | JAW ADJUST AT BASE | JAW LENGTH | REPLACEMENT SPRINGS |
|-------------|--------|-------------------|-------------------|--------------------|--------------------|------------|---------------------|
| 113385      | 9"     | 3/16"             | 13/32"            | 3"                 | 1-3/4"             | 2-1/2"     | 113397              |
| 113386      | 6"     | 1/8"              | 5/16"             | 2-1/4"             | 1"                 | 1-3/4"     | 113398              |

## VISE-GRIP® CURVED JAWS - LOCKING

With  
Wire Cutters



| PART NUMBER | LGH | JAW THICK | JAW ADJST | REPLMNT SPRINGS | PART NUMBER | LGH | JAW THICK | JAW ADJST | REPLMNT SPRINGS |
|-------------|-----|-----------|-----------|-----------------|-------------|-----|-----------|-----------|-----------------|
| 113382      | 10" | 3/8"      | 1-7/8"    | ---             | 113384      | 5"  | 1/4"      | 1-1/4"    | 113398          |
| 113383      | 7"  | 5/16"     | 1-5/8"    | 113397          |             |     |           |           |                 |

## VISE-GRIP® LOCKING "C" CLAMP

Long Reach "C" Clamp

Length: 18"

Jaw adjustment: 7"



Part No. 113389

## VISE-GRIP® LOCKING "C" CLAMP

Regular "C" Clamp

Length: 11"

Jaw adjustment: 3-3/4"



Part No. 113390

## VISE-GRIP® LOCKING "C" CLAMP

Mini "C" Clamp

Length: 6"

Jaw adjustment: 2"



Part No. 113391

## VISE-GRIP® PINCH-OFFS - LOCKING

- Special designed for refrigeration industry.
- Pinch-off & lock copper tubing instantly.
- Ideal for emergencies - no shut off valves needed.

Length: 7"

Throat Depth: 1"

Jaw Thickness: 1/4"



Replacement Springs  
Available Part No. 113397

Part No. 113393

## VISE-GRIP® CHAIN CLAMP

Tool Length: 9"

Chain Length: 19"



Part No. 113392

## MEYERPLIER

The ANYWHERE Combo Vice/Clamp.

- Goes anywhere, clamps to almost anything.
- Securely clamps objects while leaving both hands free to work.
- Use for sawing, drilling, filing, soldering, welding, painting, gluing, sanding, bending and much more.
- A compact, high quality tool, the MEYERPLIER is also a locking plier, a c-clamp and a wire cutter.



Part No. 213617  
10" length

## SURE GRIP LOCKING TOOL

The world's smallest locking tool.

Handy, Practical &  
Universally Usable



SMP121009

Part No. 213352

## E-Z SET & FORGET PLIERS

Self Adjusting Pliers - lock on any size without adjusting.

- Simple one-handed use.
- Meets or exceeds ANSI & ASME, standard for material, hardness, strength & performance.



Grab Thick



Grab Thin  
Without  
Adjusting!!

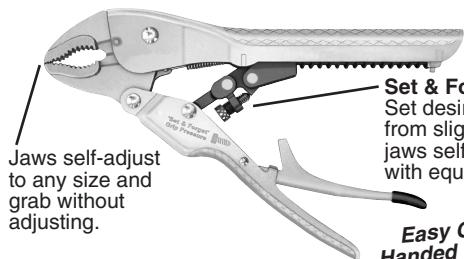
Self-Adjusting  
Locking Pliers  
Automatically  
Locks On Any Size



| PART   | SIZE (INCHES) | DESCRIPTION              |
|--------|---------------|--------------------------|
| 113581 | 6             | Curved Jaw               |
| 113577 | 7             | Needle Nose              |
| 113580 | 10            | Curved Jaw               |
| 113585 | Set           | Includes all three sizes |



SMP122208



Set & Forget:  
Set desired clamp pressure,  
from slight to extreme,  
and jaws self-adjust to any size  
with equal grip pressure.

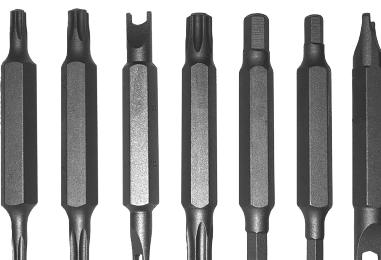
Easy ONE  
Handed Usage

**SCREWDRIVERS****TAMPERPROOF 15-IN-1 SCREWDRIVER**

Used by: electricians, locksmiths, telephone technicians, maintenance &amp; prison facilities.



Part No. 213153



PSS050719

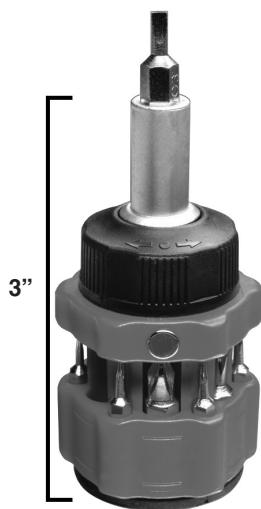
**INCLUDES 7 DOUBLE END BITS 1/4" HEX x 2" OAL:**

|  |                                |  |                                |
|--|--------------------------------|--|--------------------------------|
|  | 1/8" Hex Pin<br>9/64" Hex Pin  |  | #10 Torx® Pin<br>#15 Torx® Pin |
|  | 5/32" Hex Pin<br>3/16" Hex Pin |  | #20 Torx® Pin<br>#25 Torx® Pin |
|  | #6 Spanner<br>#8 Spanner       |  | #27 Torx® Pin<br>#30 Torx® Pin |
|  | #10 Spanner<br>#12 Spanner     |  | 1/4" hex drive                 |

**12-IN-1 RATCHETING MULTI-TIP SCREWDRIVER**

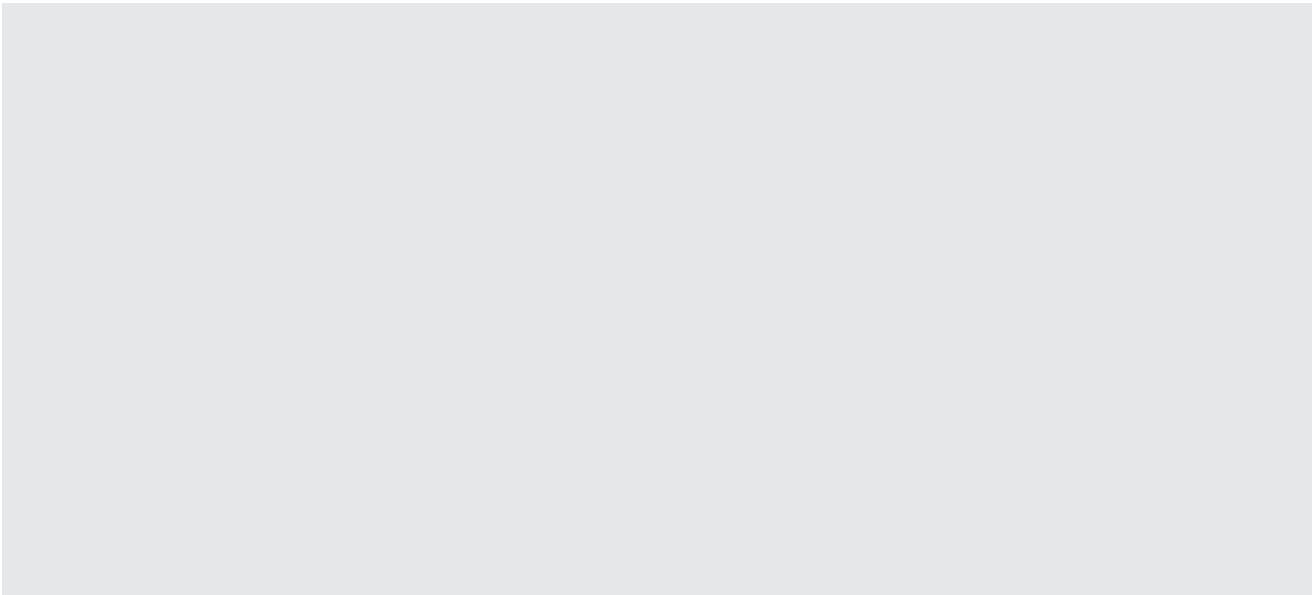
All bits and tips are conveniently stored in slots in the handle.

PSS010721.213156



Part No. 213156

- Pocket size 3" tool to take anywhere.
- Perfect for service technicians, mechanics, craftsman or maintenance personnel.
- Choose screwdriver or ratchet mode.
- 11 tips & bits, plus magnetic bit holder stored in the handle.
- Includes: (Torx) T3, T4, (Phillips) PH00, PH000, PH0, PH1, PH2, (Slotted) SL1.2, SL3.0, SL5.0, (Star) 0.8 and micro bit holder.



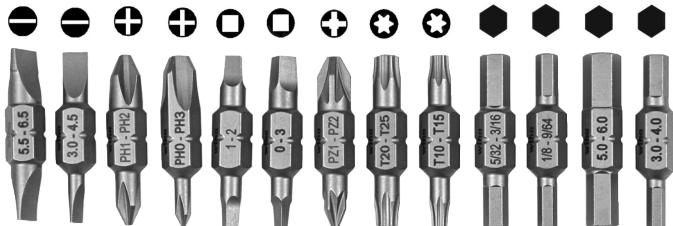
**SCREWDRIVERS****ULTRA DRIVER - PROFESSIONAL MULTI-TOOL**

Ultra lite, ultra compact, ultra fast access and ultra quality

- Quick release locking bit holder.
- High torque cushion grip ergonomic handle.
- Spring loaded cartridge for fast access.
- "Grab & Go" with 26 assorted tips.
- Double ended bits.
- Pro quality driver - made in Germany.
- Hardened tempered CVM tool steel bits.
- Precision machined for an exact fit.

**ULTRA DRIVER - TRADESMAN**

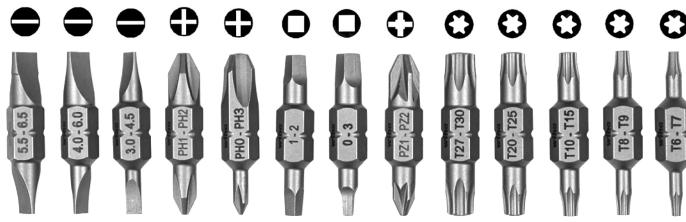
**wiha** Tools that work for you



Part No. 213150

**Torx:** T10 & T15, T20 & T25**Phillips:** #0 & #1, #2 & #3**Pozidriv:** #1 & #2**Square:** #0 & #1, #2 & #3**Slotted:** 3.0, 4.5, 5.5, 6.5mm**Metric Hex:** 3.0 & 4.0, 5.0 & 6.0mm**Inch Hex:** 1/8" & 9/64", 5/32" & 3/16"**ULTRA DRIVER - TECHNICIAN**

**wiha** Tools that work for you



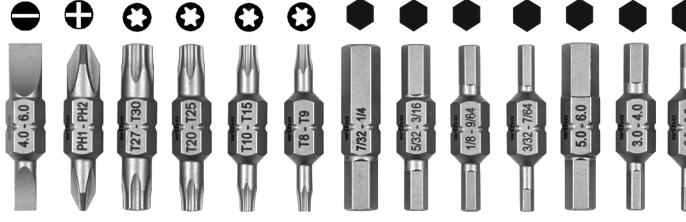
Part No. 213151

**Torx:** T6 & T7, T8 & T9, T10 & T15,

T20 &amp; T25, T27 &amp; T30

**Phillips:** #0 & #1, #2 & #3**Pozidriv:** #1 & #2**Square:** #0 & #1, #2 & #3**Slotted:** 3.0 & 4.0, 4.5 & 5.5, 6.0 & 6.5mm**ULTRA DRIVER - INDUSTRIAL**

**wiha** Tools that work for you



Part No. 213152

**Torx:** T8 & T9, T10 & T15, T20 & T25,

T27 &amp; T30

**Phillips:** #1 & #2**Slotted:** 4.0 & 6.0mm**Metric Hex:** 2.0 & 2.5, 3.0 & 4.0,

5.0 &amp; 6.0mm

**Inch Hex:** 3/32" & 7/64", 1/8" & 9/64",

5/32" &amp; 3/16", 7/32" &amp; 1/4"



# SCREWDRIVERS

## SCREWGRAB™

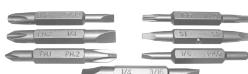
Helps remove or tighten screws, nuts and cap screws.

- Increases grip between screwdriver and screw by 400%.
- No special tools needed.
- Especially designed for partially stripped heads.
- Perfect solution to a hair-tearing, knuckle-busting problem.
- Positive grip between metal surfaces with just one drop. Allows screw to turn freely.
- Odorless, non-toxic, and non-corrosive.
- Works instantly, will not damage surfaces, wipes clean.
- Eliminates tool wear.



Part No. 211105 (12).  
.5 fl. oz.

## 15-in-ONE RATCHET SCREWDRIVER



Includes Sizes:

1/8", 1/4", 3/16", 5/32", PH0, PH1, PH2, PH3, S1, S2, T-15, T-20, plus spare 1/4" & PH2

Part No. 213340

## STANLEY SCREWDRIVER SET

- 100% acetate handles for heavy duty industrial use.
- Durable alloy steel blades.
- Precision-ground tip ensures a secure fit.
- Chrome-plated to resist corrosion.
- 8 popular sizes includes pouch.

Contains:

|                       |                      |
|-----------------------|----------------------|
| 1/4" x 1-1/2" slotted | #2 x 1-1/2" phillips |
| 1/4" x 4" slotted     | #1 x 3" phillips     |
| 5/16" x 6" slotted    | #2 x 4" phillips     |
| 3/8" x 8" slotted     | #3 x 6" phillips     |



Part No. 213004

## INSULATED SCREWDRIVER

Responds to OSHA's "Safety Related Work Practices" For employee's who work near exposed energized conductors or circuit parts.

- Blade is CVM tool steel, salt bath hardened to an average 58RC.
- Provides protection against electrical shock.
- Ergonomic power handle grip, impact resistant, made of cellulose-acetate.
- Insulation molded directly onto blade for permanent bonding.
- Certified for up to 1000 volts AC & up to 1,500 volts DC.



4 PIECE SET • Part No. 214200

Contains: 9/64 x 4, 3/16 x 5, #1 and #2 Slotted & Phillips

**SPECIFICATIONS:** Meets: DIN 7437, Draft 11/90, VDE New 0680/part 201, IEC 900, 100 volt spec. "GS" mark for individual test.

## 10 PIECE DURA DRIVER SET

Contains:

|                              |                                 |
|------------------------------|---------------------------------|
| #1 x 4" phillips             | 3/16 x 6" electricians round    |
| #2 x 4" phillips             | 1/4 x 1-1/4" mechanics stubby   |
| 1/4 x 4" mechanics round     | #2 x 1-1/4" phillips stubby     |
| 1/4 x 6" mechanics round     | #0 x 2" phillips pocket clip    |
| 3/16 x 3" electricians round | 1/8 x 2" instrument pocket clip |



Part No. 213129

- Ergonomic, high efficiency, high torque handle.
- Cushioned rubber for comfort & slippage control.
- Tool steel shafts for strength & durability.
- Brightly zinc plated blade to prevent corrosion.
- General purpose set - carded.

## INSULATED MULTI-BIT SCREWDRIVER



Part No. 214211

- Contains 6 bits: 3 phillips plus 3 slotted.
- 1/4" magnetic bit holder - holds bits and screws.
- Bits conveniently store in handle with snap and lock cap.
- Provides protection against electrical shock, as long as bit remains in screwdriver.
- Insulation molded directly onto blade for permanent bonding.
- Ergonomic power handle grip, impact resistant, made of cellulose-acetate.
- Not rated by VDE, DIN, IEC, or GS.
- Clear selector prevents bit losses.

**SCREWDRIVER BITS****PHILLIPS INSERT BITS**

| PART NUMBER | POINT SIZE | OVERALL LENGTH (IN.) |
|-------------|------------|----------------------|
| 114306      | 0          | 1                    |
| 114307      | 1          | 1                    |
| 114308      | 2          | 1                    |
| 114309      | 3          | 1                    |

| PART NUMBER | POINT SIZE | OVERALL LENGTH (IN.) |
|-------------|------------|----------------------|
| 114311      | 1          | 1-1/4                |
| 114312      | 2          | 1-1/4                |
| 114313      | 3          | 1-1/4                |
| 114314      | 4          | 1-1/4                |

Part No. 114305 - 1/4"  
Hex Shank Bit set:  
1 ea. of No. 0, 1, 2 & 3 bits

Part No. 114310 - 5/16"  
Hex Shank Bit set:  
1 ea. No. 1, 2, 3 & 4 bits

**PHILLIPS POWER BITS**

| PART NUMBER | POINT SIZE | OVERALL LENGTH (IN.) | BODY DIAMETER (IN.) |
|-------------|------------|----------------------|---------------------|
| 114316      | 1          | 1-15/16              | 3/16                |
| 114317      | 2          | 1-15/16              | 1/4                 |
| 114318      | 3          | 1-15/16              | 9/32                |

Part No. 114315 - 1/4"  
Hex Shank Bit set:  
1 ea. of No. 1, 2 & 3 bits

**SLOTTED INSERT BITS**

| PART NUMBER | SCREW SIZE | BLADE WIDTH (IN.) | OVERALL LENGTH (IN.) |
|-------------|------------|-------------------|----------------------|
| 114320      | 4          | 3/16              | 1                    |
| 114321      | 5          | 7/32              | 1                    |
| 114322      | 6          | 1/4               | 1                    |
| 114323      | 8          | 9/32              | 1                    |

Part No. 114319 - 1/4"  
Hex Shank Bit set:  
1 ea. of No. 4, 5, 6  
& 8 bits

| PART NUMBER | SCREW SIZE | BLADE WIDTH (IN.) | OVERALL LENGTH (IN.) |
|-------------|------------|-------------------|----------------------|
| 114325      | 8-10       | 1/4               | 1-1/4                |
| 114326      | 10-12      | 9/32              | 1-1/4                |
| 114327      | 14-16      | 5/16              | 1-1/4                |
| 114328      | 16-18      | 1/2               | 1-1/4                |

Part No. 114324 - 5/16"  
Hex Shank Bit set:  
1 ea. No. 8-10, 12-14,  
14-16 & 16-18 bits

**TORX BITS**

| PART NUMBER | TORX SIZE | OVERALL LENGTH (IN.) |
|-------------|-----------|----------------------|
| 114340      | T-10      | 1                    |
| 114341      | T-15      | 1                    |
| 114342      | T-20      | 1                    |
| 114343      | T-25      | 1                    |
| 113189      | T-27      | 1                    |
| 113190      | T-30      | 1                    |
| 113191      | T-40      | 1                    |

Part No. 114339 - 1/4"  
Hex Shank Bit set: 1 ea. of  
No. T-10, T-15, T-20, T-25,  
T-30 & T40

| PART NUMBER | TORX SIZE | OVERALL LENGTH (IN.) |
|-------------|-----------|----------------------|
| 114397      | T-20      | 1-1/4                |
| 114398      | T-25      | 1-1/4                |
| 114399      | T-27      | 1-1/4                |
| 114347      | T-30      | 1-1/4                |
| 114348      | T-40      | 1-1/4                |
| 114349      | T-45      | 1-1/4                |
| 114350      | T-50      | 1-1/4                |

Part No. 114346 - 5/16"  
Hex Shank Bit set: 1 ea. of No.  
T-30, T-40, T-45 & T-50

**PHILLIPS POWER BITS - 6 INCH LENGTH**

- Made from S2 modified shock resistant steel for professional performance and durability.
- Proprietary precision CNC machined tips for excellent fit in fastener recess.
- Extra hard bits undergo an extended heat treatment process giving them superior strength vs regular bits.



PSS110419

| PART NUMBER | POINT SIZE | OVERALL LENGTH (IN.) |
|-------------|------------|----------------------|
| 114292      | 1          | 6                    |
| 114293      | 2          | 6                    |
| 114294      | 3          | 6                    |

# POWER IMPACT BITS, HOLDERS and SETS



- Designed for professional users of power impact tools.
- Outperforms all leading brands.
- Tips are machined by a proprietary computerized process.
- Made from S2 modified impact resistant steel.

PSS040815



## PHILLIPS INSERT BITS

| 1/4"        |            |                      |
|-------------|------------|----------------------|
| PART NUMBER | POINT SIZE | OVERALL LENGTH (IN.) |
| 114253      | #1         | 1                    |
| 114254      | #2         | 1                    |
| 114255      | #3         | 1                    |

## TORX INSERT BITS

| 1/4"        |            |                      |
|-------------|------------|----------------------|
| PART NUMBER | POINT SIZE | OVERALL LENGTH (IN.) |
| 114263      | 15         | 1                    |
| 114264      | 20         | 1                    |
| 114265      | 27         | 1                    |
| 114266      | 30         | 1                    |
| 114267      | 40         | 1                    |

## SQUARE INSERT BITS

| 1/4"        |            |                      |
|-------------|------------|----------------------|
| PART NUMBER | POINT SIZE | OVERALL LENGTH (IN.) |
| 114259      | #1         | 1                    |

## SLOTTED INSERT BITS

| 1/4"        |            |                      |
|-------------|------------|----------------------|
| PART NUMBER | POINT SIZE | OVERALL LENGTH (IN.) |
| 114261      | 6-8        | 1                    |
| 114262      | 8-10       | 1                    |

## POWER BIT HOLDERS

### QUICK RELEASE - MAGNETIC

| PART NUMBER | HEX OPENING | OVERALL LENGTH (IN.) |
|-------------|-------------|----------------------|
| 114270      | 1/4         | 3                    |

### MAGNETIC

| PART NUMBER | HEX OPENING | OVERALL LENGTH (IN.) |
|-------------|-------------|----------------------|
| 114271      | 1/4         | 3                    |
| 114272      | 1/4         | 6                    |

## POWER BIT SETS



Part No. 114274 • 34 Pieces

1 ea. of #1,2,3 x 1" Phillips, #1,2,3 x 1" Square, 5/32", 3/16", 7/32", 1/4" x 1" Hex, 4-5, 6-8, 8-10 x 1" Slotted, #20,25,27,30 x 1" Torx, #1,2 x 2" Phillips, #1,2 x 2" Square, #2 x 6" Phillips, #2 x 6" Square, Mag. Bit Holder, 1/4", 5/16", 3/8", 7/16" Mag. Nutsetters



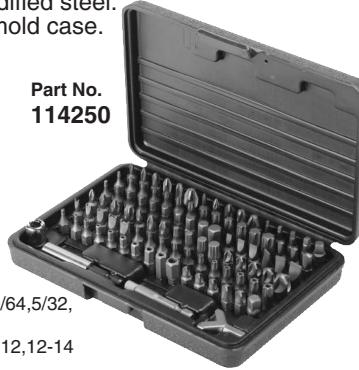
Part No. 114273 • 21 Pieces

1 ea. of #1,2,3 x 1" Phillips, #1,2,3 x 1" Square, #20,25,27,30 x 1" Torx, #1,2 x 2" Phillips, #1,2 x 2" Square, #2 x 6" Phillips, #2 x 6" Square, Mag. Bit Holder, 1/4", 5/16", 3/8", 7/16" Mag. Nutsetters

## 100PC MASTER DRIVER BIT SET

- Contains common and hard to find bits.
- Bits are made from S2 modified steel.
- Convenient to carry blow mold case. (6" x 4 3/4" x 1 3/4")

Part No. 114250



- PHILLIPS 0,1,2,R,2,3,4
- POZIDRIV® 0,1,2,3,4
- SQUARE 0,1,2,3,4
- CLUTCH 5/32,3/16,1/4
- SPLINE 4,5,6,8
- TORQ-SET® 8,10,1/4,5/16,3/8
- SPANNER 4,6,8,10,12
- TRI-WING® 1,2,3,4,5
- TORX® 6,7,8,9,10,15,20,25,27,30,40
- HEX 5/64,3/32,7/64,1/8,9/64,5/32,3/16,7/32,1/4,5/16
- SLOTTED 3-4,5-6,8-8-10,12,12-14
- POZIDRIV® ACR®II 1,2,3
- PHILLIPS ACR®II 1,2R,2,3
- HEX TAMPER 5/64,3/32,7/64,1/8,9/64,5/32,3/16,7/32,1/4,5/16
- TORX TAMPER 6,7,8,9,10,15,20,25,27,30,40

ADAPTER FOR 1/4" SOCKET 1/4" x 1"  
ADAPTER FOR 1/4" SOCKET 1/4" x 2"  
BIT HOLDER FOR 1/4" HEX BIT 1/4" x 2.236"  
SOCKET FOR 1/4" HEX BITS

## 31PC DRIVER BIT SETS with RATCHET and SOCKETS



Part No. 114251

- PHILLIPS 1,2,3
- SQUARE 1,2,3
- HEX 9/64,5/32,3/16,7/32,1/4,5/16
- TORX® 8,10,15,20,25,27,30,40
- SLOTTED 4-5,6-8,8-10
- ADAPTER 1/4" x 1/4" x 1"

Part No. 114252



Part No. 114252

- PHILLIPS TAMPER 1,2,3
- TORX TAMPER 8,10,15,20,25,27,30,40
- HEX TAMPER 9/64,5/32,3/16,7/32,1/4,5/16
- SPANNER 6,8,10
- TRIPLE SQUARE 4,5,6

QUICK RELEASE BIT HOLDER  
SOCKETS 1/4,5/16,3/8,7/16,1/2  
1/4" FEMALE HEX BIT RATCHET

## NUT SETTERS (MAGNETIC)



| PART NUMBER | POINT SIZE | OVERALL LENGTH (IN.) |
|-------------|------------|----------------------|
| 114284      | 1/4        | 2-9/16               |
| 114285      | 5/16       | 2-9/16               |
| 114286      | 3/8        | 2-9/16               |
| 114287      | 7/16       | 2-9/16               |
| 114291      | 1/2        | 2-9/16               |

# INDUSTRIAL POWER IMPACT BITS, HOLDERS and SETS



- Designed for professional users of power impact tools.
- Outperforms all leading brands.
- Tips are machined by a proprietary computerized process.
- Made from S2 modified impact resistant steel.



## INDUSTRIAL PHILLIPS POWER BITS - 6 INCH LENGTH



- Made from S2 modified shock resistant steel for professional performance and durability.
- Patented spiral torsion zone absorbs impact and extends bit life.
- Proprietary precision CNC machined tips for excellent fit in fastener recess.
- Tested to outperform all leading brands in lifecycle and tip failure testing.



PSS110519

| PART NUMBER | POINT SIZE | OVERALL LENGTH (IN.) |
|-------------|------------|----------------------|
| 114295      | 1          | 6                    |
| 114296      | 2          | 6                    |
| 114297      | 3          | 6                    |

## INDUSTRIAL 34 PC. BIT & HAND DRIVER SET

- A multi-function set that provides options for hand or power tool use.
- Includes a screwdriver handle, unique mini-driver / ratchet driver handle and long reach bits.
- Industrial grade molded storage case with mechanical hinge and latch.

PSS110619

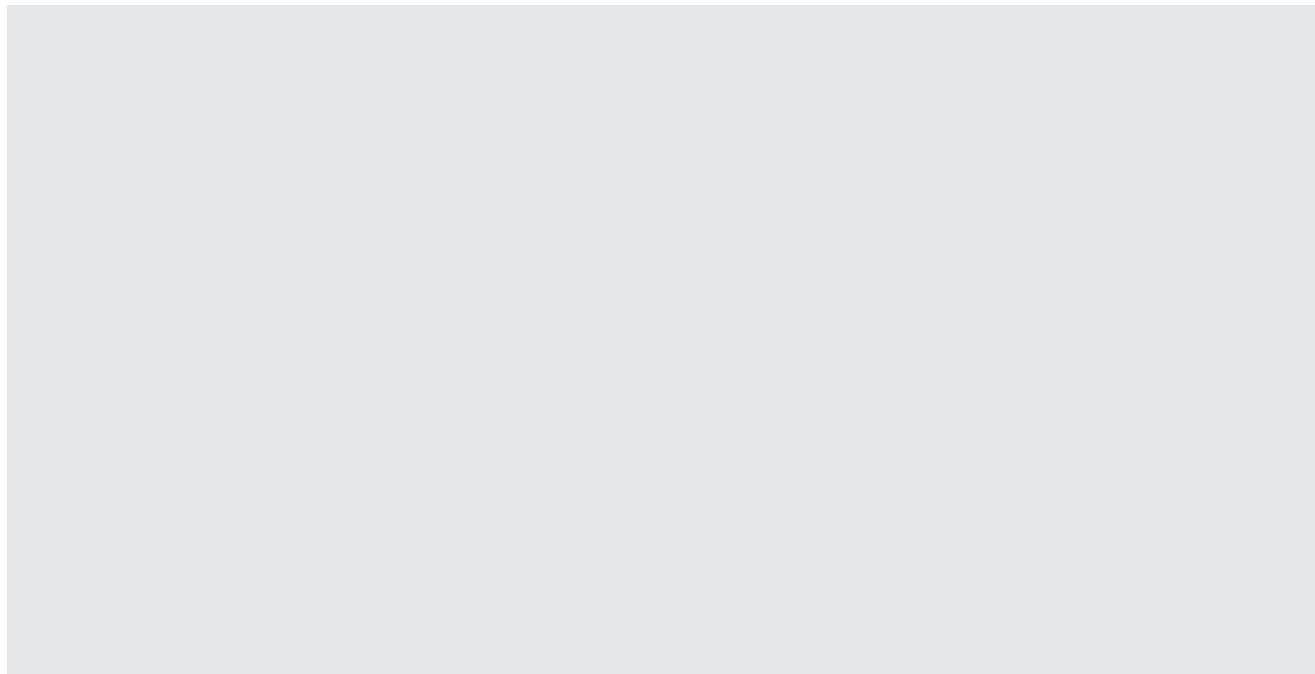
PIECE COUNT: 34

|          |   |   |
|----------|---|---|
| PHILLIPS | + | 1" - 0, 1, 2, 3<br>6" - 2, 3                            |
| SLOTTED  | — | 1" - 4-5, 6-8, 8-10, 10-12                              |
| SQUARE   | □ | 1" - 1, 2, 3<br>6" - 2, 3                               |
| HEX      | ○ | 1" - 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"             |
| TORX®    | ★ | 1" - T10, T15, T20, T25, T27, T30, T40<br>6" - T20, T25 |
|          |   | 1" - 1/4" x 1/4" Drive Socket Adapter                   |
|          |   | 1/4" Ratcheting Bit Wrench                              |
|          |   | Industrial Grade Screwdriver                            |
|          | ⌚ | Magnetic Bit Holder 1/4" x 4"                           |

### USE AS A:

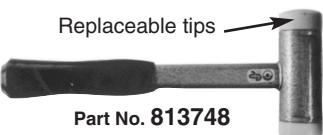
Stubby Ratcheting Bit Driver  
Stubby Stationary Bit Driver  
Multi-Bit Screwdriver  
6" Multi-Bit Screwdriver  
4" Ratcheting Bit Driver  
4" Stationary Bit Driver  
Long Reach Ratcheting Bit Driver  
Long Reach Stationary Bit Driver  
Impact Drive Accessory  
Long Reach Impact Driver Accessory  
1/4" Drive Ratchet Socket Driver  
1/4" Drive Socket Driver

Part No.  
**114275**



# HAMMERS, CHISELS, PUNCHES and PRYING TOOLS

## DEAD BLOW HAMMER



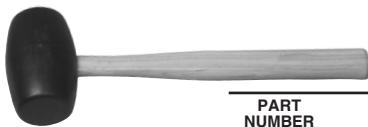
Part No. 813748

- Reduces hand fatigue.
- Steel tube shaft with rubber hand grip for added comfort.
- Hammer weight: 26 oz.
- Handle: 12" long
- Head approx. 1-5/8" x 4-7/8".

Sheet metal shops, repair shops, machine tools and gear box construction, tire shops

- Recoilless - will not bounce.
- Lead shot filled head - increases striking power by 30%.
- Polyurethane yellow tips - preserves sensitive surfaces & edges, shatterproof.

## RUBBER MALLET



| PART NUMBER | HANDLE TYPE | MALLET COLOR | LBS. RATED |
|-------------|-------------|--------------|------------|
| 113525      | Wooden      | Black        | 2          |

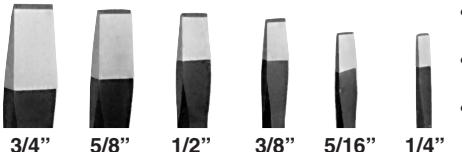
## HOLD-DOWN CLIP



- For securing to floor or wall.

Part No. 213729 (10)

## COLD CHISELS



- Forged alloy steel.
- Black lacquer finish.
- Heads & bits fully polished.

| PART NUMBER | DIAMETER STEEL | LENGTH |
|-------------|----------------|--------|
| 113360      | 1/4            | 5      |
| 113361      | 5/16           | 5      |
| 113362      | 3/8            | 5-1/2  |

| PART NUMBER | DIAMETER STEEL | LENGTH |
|-------------|----------------|--------|
| 113363      | 1/2            | 6      |
| 113364      | 5/8            | 6-1/2  |
| 113365      | 3/4            | 7      |

## PILOT PUNCHES (For removal of roll or spring pins)



Part No. 113582  
Contains one each:

1/8" - 5/32",  
3/16" - 7/32",  
1/4" - 5/16"



- Speed up pin removal, safely.
- Center perfectly over pin.

- Eliminate damage to pin or wall of hole.
- Drive pin completely through hole without sticking.

Each punch has a pilot point that fits into the hollow center of the pin, holding the driving shoulder of the punch in the perfect contact position during the entire removal operation.

## MULTI WEDGE™ NON-MARRING PRY TOOLS

Great on plastic, wood, upholstery, glass, fiberglass, painted surfaces! Easily pry bezels, dashes, badges, trim, moldings, door panels, body work, seals and upholstery.

- Made of 2 different materials covering a complete range of applications.
- No other tool has a super thin tip (.005) allowing them to get into super tight gaps.



Includes 3 of each Orange &amp; Black Tools

### The 4 in 1

Replaces screwdrivers, pry bars and all other metal tools that can cause damage and marring of delicate surfaces.

1) Pry Tool 2) Level Align Tool 3) Scraper 4) Shim

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Part No. 113273

Black Wedges are made of a very High Impact Ductile Polycarbonate Material. Designed for tough prying applications.

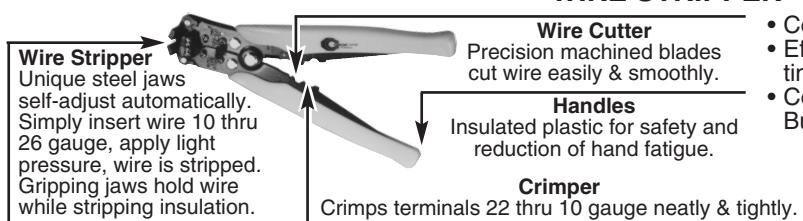


PSS072414



Orange Wedges are made of a softer Polyethylene Material 5230, very slick and smooth surface for a gentle prying applications.

# WIRE CRIMPERS, STRIPPERS, CABLE CRIMPERS and CUTTERS



- Completely automatic.
- Effortlessly strips all 10 thru 26 gauge wire with no time consuming adjustments.
- Combination wire stripper, crimper and wire cutter. Buy one tool instead of three !!

*There is no tool  
that strips wire  
faster!!*

**WIRE STRIPPER**  
Part No. 213375

## HEAVY DUTY CRIMPING TOOL

- Crimps 22 thru 6 gauge terminals.
- Strips 22 thru 10 gauge wire.
- Screw cutters for sizes 4 - 40 thru 10 - 32.
- Crimps non-insulated flag terminals.
- Cushioned grips.
- 3M Brand, TH-450.



Part No. 11384

## PROFESSIONAL CRIMPING TOOL

- Requires less effort. Crimping nests located behind pivot point for better leverage.
- Crimps 7 and 8mm ignition terminals.
- Wire cutter and stripper located on front for better access in tight working areas.
- Cuts and strips wire from 22 to 10 AWG.
- Cuts 6 sizes of bolts from 4 - 40 to 10 - 32.
- Jumbo cushioned grip handles for comfort.



Part No. 11363

## HEAVY DUTY CABLE CUTTERS

- Cuts cable up to 4/0.
- Not for use on steel.
- Machined blade surface eliminates binding.
- Molybdenum steel cutting blades prevent blade breakage and stay sharp.
- Fiberglass handles make tool lightweight yet sturdy.



Part No. 322182

## HEAVY DUTY CRIMPING TOOL

- Crimp terminals from 4 ga. (6ga. flared) through 4/0 ga.
- Over 1,000 lbs. of crimping pressure.
- Die codes appear on the tool. Matches crimping system die codes, size and polarity.
- Rotating dies to match application. No separate dies to change.
- 25" overall length.



UNIVERSAL  
Part No. 322180

## CABLE TIE REMOVER/WIRE STRIPPER

- Safely remove cable tie & straps.
- Retrofit & repair wire harnesses & hose assemblies.
- Safety guards slide behind cable tie straps to prevent harming bundled items.
- Scissor action cutter.
- Strips wires 12-22 gauge.

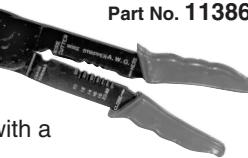


Part No. 11372

## WIRE STRIPPER (FOR RECESSED AREAS)

- Narrow profile can easily access limited and hard to reach areas.
- Strips 22-12 gauge single or multiple stranded conductor wire.
- Automatically adjusts to wire size.
- Adjustable strip length gauge.
- Lightweight and easy to use.

- Hardened steel stripping blades.
- Lock keeps wire stripper in closed, compact position for storage.
- Also works as a wire cutter.



Part No. 11386

## ECONOMY CRIMPING TOOL

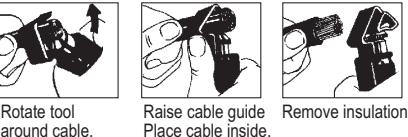
- 3-in-1 tool - cuts, strips, crimps wires from 22 - 10 AWG.
- Crimps insulated and non-insulated solderless terminals and ignition terminals.
- Made from quality hardened steel with a black phosphate finish.
- High voltage insulated handle won't crack, slip off or break.



Part No. 213249

## ROTARY CABLE STRIPPER

- Adjustable for cable sizes 8 ga. up to 4/0 ga.
- Heavy duty design - long lasting and safer to use.



## COMPACT CABLE CUTTERS

- Cuts battery or welding cable up to 4/0.
- Made of high quality 1/4" case hardened steel.
- Sharp, heat treated, high carbon cutting edges.
- Not for use on steel.



Part No. 322183

## HAMMER CRIMPER

- Crimps lugs, splices and battery terminals sizes 8 gauge thru 4/0.
- V-shape nest design prevents over-crimping.
- Crimping scale included on side of tool assures proper crimp.
- Hammer ram down for perfect crimp.



Part No. 322181

## PROFESSIONAL RATCHETING CRIMPER

- Ratcheting action ensures a perfect crimp every time.
- Superior design & construction outperforms other crimpers.
- Replaceable crimping jaws.
- Eliminates damaged or distorted terminals.
- Crimps 10-22 ga. insulated terminals.



Part No. 18900



Part No. 213552

# CRIMPERS and ELECTRICAL SERVICE TOOLS

## ELECTRICIAN SHEARS

- Clean, non-slip cuts.
- Unlimited applications.
- Highest quality stainless steel, 56HRC.
- Professional quality.
- Cutting edge, with integrated cable cutter.
- Includes plastic belt case.



Part No. 113502

PSS091517



6-1/8" Overall Length

## QUICK CHANGE RATCHETING TERMINAL CRIMPING KIT

**7 Die Sets for the most popular auto. terminal crimping applications:**

- Insulated terminals 22-10 AWG.
- Non insulated open barrel connectors 22-10 AWG inc. Weatherpack terminals.
- Fully insulated quick disconnect terminals with thinner wire barrels 22-10 AWG.
- Non insulated terminals 22-8 AWG.
- Miniature rings, spade & butt splices 26-16 AWG.
- RG-6 and RG-59 coaxial cable.
- 8mm and 8.5mm spiral core spark plug wire. Strips the insulation, crimps the spiral core to the spark plug terminal and crimps the terminal to the spark plug wire insulation.



Part No. 213386 PSS1026103

Easily change with the press of a lever.

## VOLTAGE-SENSING PROFESSIONAL GRADE WIRE STRIPPER

Built-in voltage detector senses AC voltage from 50-600 V AC

2 popular tools in one!



Part No. 213555

**The first and only wire stripper with a built-in non-contact voltage sensor - providing additional safety with both audible and visual indicators you can clearly hear and see when AC voltage is present.**

- Audible and visual alerts indicate the presence of voltage.
- Cuts and strips solid and stranded wire.
- Stainless steel body for maximum corrosion resistance.
- Ergonomic, cushioned handles for ultimate comfort and control.
- Double bevel cutting blades for superior nick resistance.
- Dual gripping positions for traditional or forward hand positions.
- Easy-to-read stamped and ink-filled markings.
- Cuts and rethreads bolt sizes 6-32, 8-32 and 10-32.
- Wire looping holes form wire to fit on screw terminals.
- Plier nose for gripping and pulling.
- cULUs listed.
- Durable, drop resistant construction.
- Batteries included.

## PROFESSIONAL RATCHET CRIMPING TOOL

For Heat Shrink Terminals

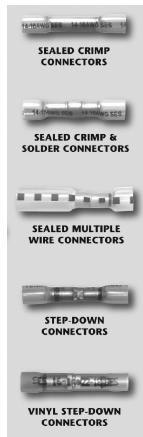
- Mating mechanism prevents slipping or mis-alignment.
- Long handles make it easier to crimp, requiring less force.
- Easy to use & understand release mechanism.
- Ergonomic design to initiate the crimp process.



Part No. 213550

## 4 CRIMP NESTS

- 8 AWG, Red
- 12-10 AWG, Yellow
- 16-14 AWG, Blue
- 22-18 AWG, Red



## AC SENSOR - SAFE - U.L. LISTED

Senses AC voltage w/o touching bare contacts or wires.

**CAUTION:** In order to ensure proper operation prior to each use, the "AC Sensor" should be checked on a known voltage carrying source, like any other type of sensor or meter.



Part No. 213499

- **SAFE** - All surfaces non-conductive.
- **FAST** - Locates voltage through insulated wire.
- **EASY** - Probe tip glows bright red in presence of AC voltage 110-600 volts.
- **ACCURATE** - Differentiates between live and neutral wires.

## Used in the following applications:

- Distinguishes between "live" and "neutral" wires.
- Detects "hot" wires in both single and three phase power.
- Identifies faulty in-line devices, blown fuses, breaks in insulated wire & cable, and defective circuit breakers.

## CIRCUIT MASTER®

- Universal tester for primary & computer controlled systems.
- Includes probe adapter for sensitive computer connections.
- Safe to use on microprocessor control modules.

Part No. 213715



Operating range from 3 to 15 volts DC.

## DC VOLTAGE DETECTOR

Buzzer & light to indicate voltage.

- Detects 6 - 50 volts DC.
- Sharp tip - penetrates fine & heavy wire.
- Can be used for marine, industrial or automotive.
- Test lead wire - 20 gauge, heavy duty, and heat resistant.
- LED light inside - never burns out.

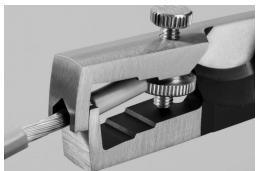


Part No. 114374



**ELECTRICAL SERVICE TOOLS and HEAT GUNS****STRIX WIRE STRIPPER  
with CABLE SHEAR**

- Knurled screw for repetitive stripping prevents slippage.
- Cable cutting cuts without crushing.
- Induction hardened blade for cutting cable to 9/16".
- Slim design for easy access in confined areas.
- Made of German high grade tool steel.



PSSB090418



Part No. 113588

**ERGO STRIP FOR METRIC WIRE**

- Easy cutting, stripping, dismantling and longitudinal cutting of sheath.
- Use on 0.2, 0.3, 0.8, 1.5, 2.5 & 4mm.
- Ideal for NYM, coax & data cable.
- Ergonomic pistol grip with slim design for better access in confined areas.
- Use on: NYM cable 3 x 1.5mm<sup>2</sup> up to 5 x 2.5mm<sup>2</sup>, twisted pair data cable and coax cable.



PSSB090418



Part No. 113589

**TWISTOR 16****A crimper for end ferrules.**

- 360° rotatable crimping head.
- For end ferrules from 26 -6 AWG.
- Features an integral lock with self releasing mechanism which prevents over or under crimping.
- 8 locking positions.
- Adjusts automatically to different diameters.



PSS050519



Part No. 113683

8" overall length

**ANVIL SHEARS****For cutting hose, rubber & soft material.**

- Cuts easily & cleanly.
- Capacity for round material up to 1".
- Cuts flat material up to 1-1/2".
- Tool body constructed of rolled & oil hardened tool steel.
- Lock features keeps in closed position.



PSS050619



Part No. 113682

8" overall length

**PreciStrip16 STRIPPING PLIERS****Simple, precise stripping of fine wires and solid round cables.**

- Simple precise stripping of fine wire and solid round cables with a range of .08 to 16mm.
- Good grip provided by semi-circular grooved metal holding clamps.
- Parabolic blade separates insulation and automatically pulls it back.
- Built in cable cutter cuts cable to 6 AWG.
- Automatically adjust to cable between 28 to 6 AWG.
- Fine adjustment dial enables setting of the blade depending on the thickness of insulation.



Quality-Made in Germany

Part No. 213553  
(7-5/8" overall length)

PSSBKNIPEX090220

**MINI HOT AIR GUN**

- Single heat setting -650°F.
- 3 Amps, 120 Volts.
- Ideal for use in tight areas.
- Excellent for shrink tubing, Shrink 'N Seal terminals, and Solder 'N Seal terminals.
- UL & CSA approved.



Part No. 814131

**HEAVY DUTY - DUAL HEAT GUN**

- Two heat settings -750° & 1000°F.
- 10 Amps, 120 Volts.
- Dual air speeds.
- No cool down necessary.
- UL & CSA approved.



Part No. 814127

**HALOGEN, SPECIAL PURPOSE LAMPS & EXTENSION CORDS****HEAVY DUTY TRIPLE CONNECTOR CORDS**

- Indoor - outdoor 3 wire.
- Grounded orange vinyl extension cord.
- 14/3 SJT W.A.
- .390 O.D.



| PART NUMBER | LENGTH (FEET) | AMPS |
|-------------|---------------|------|
| 11113       | 25            | 15   |
| 11114       | 50            | 15   |

**GROUNDED EXTENSION CORDS**

- 3 wire grounded extension.
- 16/3 gauge wire.
- Molded vinyl cap.



| PART NUMBER | LENGTH (FEET) | AMPS |
|-------------|---------------|------|
| 11115       | 25            | 13   |
| 11116*      | 50            | 13   |

\*Flat cable

**CORD CONNECT™**

Eliminates disruptive disconnects while professionals work with power tools or extension cords.

- OSHA orange color.
- Twist to open & close.
- Works indoors & outdoors.
- Locks cords together.
- Water-tight gasket included.
- All weather plastic.
- Prevents water from reaching electric connection.



Part No. 312186

— Easy as 1 - 2 - 3 —

**T-3 HALOGEN BULBS**

| PART NUMBER | WATT | DESCRIPTION |
|-------------|------|-------------|
| 311231      | 150  | T-3         |
| 311230      | 300  | T-3         |
| 311227      | 500  | T-3         |

**13 WATT REPLACEMENT FLUORESCENT BULB**

Bayco exclusive original spec. lamp.



Part No. 311224

**PROPER INSTALLATION FOR LAMPS:**

Do not touch the lamp with your fingers. Use a clean rag or cloth to install lamp.  
Clean lamp with alcohol, when bulb is cool & turned off.

**CLAMPLIGHT**

- The ultimate in versatility.
- Brilliant white LED's illuminate the work area.
- Head swivels in multiple directions.
- Clamps onto objects as wide as 2" x 4".
- Makes job hands free.
- Stands alone if there is nothing to clamp to.
- 100 Lumen CREE LED bulb.



PSS041514

Part No. 812955

Size: 2-1/2" W x 7-9/16" L

**CLAMPLIGHT MINI**

- Brilliant white LED's that never need replacing.
- Makes job hands free.
- Stainless steel springs and pins for added durability.
- 15-18 Lumen CREE LED bulbs.
- Rotating head pivots in any direction.



PSS041514

Part No. 812956

Size: 1-1/8" W x 1-1/8" L

# TROUBLE LIGHTS and ACCESSORIES

## MINI FLUORESCENT TROUBLE LIGHT



- Half the size & 5 times brighter than a standard fluorescent utility light.
  - 13 watt twin tube, replaceable bulb.
  - Non glare reflector.
  - Shatter resistant housing with 360° swivel hook/starter switch in handle.
  - 18/2 SJT cord, plug-in ballast, 25 ft. cord.
- For Replacement Bulb**  
Order Part No. 311207

## LAMP HANDLE



- IMPACT RESISTANT.
- UL approved.
- Phenolic handle includes 3 wire socket and switch.

## STANDARD TROUBLE LIGHT



Part No. 11101      Part No. 11102  
25' cord                50' cord

- Oil, acid, grease and moisture resistant handle.
- 18/3 SJT wire, rated 10 amp - 125 volt.
- Metal guard.
- Side outlet and switch.
- Meets OSHA requirements for general use.

## METAL GUARD



- UNIVERSAL.
- Heavy galvanized steel.
- Fits all handles.

## BATTERY OPERATED ROTATING MAGNETIC BASE LED WORK LIGHTS



- High intensity LED lights.
- Sturdy aluminum housing.
- Strong magnetic base attaches to any ferrous metal.
- Rotates 360° degrees.
- Head pivots to direct light where it is needed.
- Batteries included.



## RECHARGEABLE ROTATING MAGNETIC BASE LED WORK LIGHTS

- Sturdy aluminum housing.

PSS042312

Part No. 311257  
300 Lumens  
3 SMD LED'S  
\*Includes a USB/wall charger

- Head rotates to adjust the beam where it is needed.

PSS042312

Part No. 311258  
500 Lumens-High  
200 Lumens-Low  
6 SMD LED'S  
\*Includes a USB/wall charger

- Strong magnetic base attaches to metal surfaces.



10 Watt LED  
for Maximum  
Brightness



Part No. 311259  
750 Lumens-High  
300 Lumens-Low  
\*Includes a USB/wall charger

## RECTANGULAR INSPECTION MIRROR with three rotating LED lights



- 2-1/4 in. x 3-1/2 in. lighted mirror head.
- Adjust the three rotating LED lights to needed angle for inspection in tight dark areas.
- All-angle ball joint holds lighted mirror head tightly at any angle.

- Telescopes from 6-3/4" to 30".
- Stainless steel handle is long, strong, and lightweight.
- Heavy-duty grip will not slip in wet or oily hands.
- Comes with two 2032 batteries.

## LED PENLIGHT MAGNETIC PICKUP TOOL



- Turn aluminum head clockwise to turn on bright LED light and illuminate dark areas.
- Handle telescopes from 7-3/16" to 27-3/16" and is stored in a sturdy aluminum body.
- Lifts 5 lbs.
- Comes with four LR43 batteries.

## LED LIGHTED FLEXIBLE SPRING CLAW



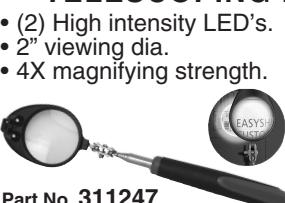
- 25-1/4" long.
- Convenient side switch turns on / off bright LED light as needed.
- Press plunger and jaws open wide / release plunger and jaws clamp shut.
- Tightly wound spring snakes into tight areas to retrieve dropped objects.
- Comes with two 2032 batteries.

## LED LIGHTED 4 PIECE INDIVIDUAL HOOK and PICK SET



- Set Includes: 90°, Complex, Hook, & Straight Picks.
- Measures 9-3/4" long.
- Durable carbon polished heat treated steel.
- Ergonomic composite handle with on/off button.
- High intensity LED light illuminates working end.

## LED TELESCOPING MAGNIFYING GLASS



- All-angle ball joint holds the lighted magnifying head firmly for perfect viewing.
- Stainless steel handle telescopes from 10-3/4" to 37-1/4" for fast accurate inspection.
- Cushion handle will not slip in wet or oily hands.

**BAYCO LIGHTING PRODUCTS****POWER OUTLET RETRACTABLE WHEELS**

- 30 ft., 16/3 wire cord with Tr-Tap outlet.
- Receptacle rated 10 amp.
- LED power status light built into outlet.

Part No. 311215

**ROUGH DUTY FLUORESCENT WORK LIGHT on 40 FT. METAL REEL**

- 16/3 SJT wire cord.
- Polarized plug outlet in handle.

For rpl. bulb  
use Part No.  
311224

Part No. 311216

**STUBBY FLUORESCENT WORK LIGHTS on RETRACTABLE REEL**

- Standard Series.
- 20 ft., 18/2 wire cord.

For rpl. bulb  
use Part No.  
311224

Part No. 311228

- Pro Series Heavy Duty Reel
- 50 ft., 18/2 wire cord.

Part No. 311217

**UTILITY LIGHT on 40 FT. METAL REEL**

- Metal lamp shield w/hook.
- 16/3 wire - 10 amp grounded receptacle.
- Use with 74 watt incandescent bulb.

Part No. 311218

**INCANDESCENT WORK LIGHT w/RETRACTABLE REEL**

- Metal shield.
- 50 ft., 18/3 SVAN wire cord.
- With Tap retractable.
- Uses 75 watt bulb.

Part No. 311219

**REPLACEMENT WORK LIGHT HANDLE w/METAL CAGE**

- Yellow poly. handle with 10 amp grounded receptacle and on/off switch.
- Yellow flame retardant polypropylene handle.

Part No. 311209

**RECHARGEABLE DUAL-POSITION MAGNETIC LED WORK LIGHT**

- 66's LED's for brilliant illumination.
- LED's are cool to the touch, 35,00 hour life.
- Magnet in top & body for hands-free lighting.
- Repositional hook for horizontal or vertical hanging.
- Chemical, moisture, impact resistant housing.
- Internal Nich battery pack, no memory effect.
- Chargers included.



Part No. 311238

**13 WATT FLUORESCENT REPLACEMENT HEAD**

- 13 watt ultra bright.
- 18/2 wire cord.
- 10,000 hour bulb.
- Nylon tipped hanger hooks.
- Impact tough housing.
- Rocker on/off switch.



Part No. 311225

**PRO SERIES REPLACEMENT HEAD**

- Fluorescent bulb included.
- Fits heavy duty 16/3 wire.
- 12 amp receptacle.



Part No. 311226

**PRO SERIES ANGLE LIGHTS 13 WATT STUBBY FLUORESCENT**

- Yellow poly. handle with ballast transformer and grounded receptacle.
- High impact protector with aluminized light reflector.
- Includes tool tap, 16/3 SJTW 25 ft. cord and is UL/CUL listed.



Part No. 311220

**FLUORESCENT STUB WORK LIGHT STANDARD SERIES**

- 20 ft., 18/2 wire cord.

Part No. 311213



- 50 ft., 18/2 wire cord.

Part No. 311214  
(NO RECEPTACLE)

**INCANDESCENT WORK LIGHTS w/METAL CAGE**

- With switch and convenience receptacle.
- Metal grounded guard with hook.
- 25 ft., 16/3 yellow, SJT jacket wire.

Part No. 311211



- 50 ft., 16/3 yellow, SJT jacket wire.

Part No. 311212

**26 WATT ELECTRONIC COMPACT FLUORESCENT ANGLE LIGHT**

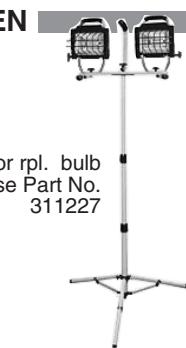
- Slim design includes two 13 watt tubes.
- Dual switch, magnetic base and power outlet on handle.
- 25 ft., 16/3 SJT wire cord.

For rpl. bulb  
use Part No.  
311224

**1,000 WATT HALOGEN WORK LIGHT**

- Work light and stand.
- Pole adjusts from 3 to 6 ft.
- Includes two spare bulbs.
- Top fixtures detach to make a floor unit.
- 6 ft. wire cord.

For rpl. bulb  
use Part No.  
311227



Part No. 311208

# FLASHLIGHTS, WORKLIGHTS and BULBS

## STEEL PENLITE



Part No. 812912

- Triple chrome plated button.
- Uses 2 "AA" cells batteries (not included).

## POCKET COB LIGHT



Clip on back

Magnetic base

Extremely bright!

- Light output 150 lumens.
- 7 hr. run time.
- Impact & weather resistant.
- Extra strong magnetic base.
- Pocket clip - makes it hands free.
- Operates on 3 AAA batteries (included).

Part No. 113930 PSS082114.1

## RECHARGEABLE SLIM LIGHT



Part No. 113035

6-1/2" Length

1" Wide Face

Super bright!

- Light output 100 lumens
- 175 lumen flood light
- 3 hr. COB / 4 hr. LED run time
- Water & impact resistant
- Micro USB rechargeable
- High power LED/COB
- Dual light: flood & beam
- Magnetic pocket clip
- Protected (3 hrs.) charge port
- Charge indicator
- Operates on 3.7V li-ion battery

PSS081117.113035

## INDUSTRIAL FLASHLIGHT w/RING HANGER



Part No. 812916

Energy saving PR-6 bulb conserves 35% battery energy, or can also use PR-2 bulb. Safety switch guard to reduce accidental lighting. Sure grip ribbing for non-slip handling. Unique spare bulb compartment. Uses 2 "D" cells batteries (not included).

## EVEREADY® LED FLOATING UTILITY LANTERN



Part No. 812919

- The Eveready® LED floating lantern features shatter-proof lens, rugged injection-molded and bright beam.
- Anti-roll foot for stability.
- Lifetime guarantee.
- Soft push-button switch.
- Uses 6V battery (not included).

## MULTI-POSITION LED NECK LIGHT



Part No. 311255

- Hands-free usage.
- Rests comfortably on neck.
- Direct the light where you need it.
- Brightness from 50-200 lumens.
- Light rotates up and down 70°.
- Rugged, made to last.
- 2 AA batteries included.

PSS100419.311255

## EVEREADY® INDUSTRIAL FLASHLIGHT



Part No. 812920

- Heavy duty industrial light built to withstand a five-foot drop to concrete.
- Polypropylene housing resists grease, oil and gasoline.
- Shatter-proof lens.
- Wide switches for gloved hand.
- Uses PR2 Bulb and 2 "D" cells batteries (not included).

## STANDARD FLASHLIGHT BULBS



Part No. 615155 - 10 pack

- Energy saving 1.19 watt bulb.
- Fits standard 2-D cell battery flashlights.
- 2.38 volt.
- PR-2.

## PORTABLE JOB LIGHT RECHARGEABLE COB LED WORKLIGHT



Weight is approx. 1 lb.

Part No. 311256

PSS090118

- 3 modes: high, low, strobe.
- 4 hr. run time.
- 750 lumens max. output.
- Built-in rechargeable lithium battery.
- Standard USB port.
- Stand/handle rotates 180°.
- Magnetic handle/stand.
- Protective corner bumpers offer drop protection.
- 4.75" H x 6.25" W.

## X-TREME RECHARGEABLE WORKLIGHT

PSS090118.311254(REV090319)



Weight is 1.23 lbs.

### \*COLORS AVAILABLE:

- Part No. 311254G (GREEN)
- Part No. 311254R (RED)
- Part No. 311254O (ORANGE)
- Part No. 311254B (BLUE)

- 500 lumens COB technology.
- 150 lumens LED top spotlight.
- Run time 3 hrs. high, 6 hrs. low.
- Beam distance 25m.
- Water resistant.
- Rechargeable lithium ion battery included.
- Micro USB cord 36" heavy duty nylon braid.
- Nylon recessed hook.
- Magnetic back and bottom.
- Self dimmer switch.
- 13" L x 3-3/4" W x 2-1/2" H.

\*We reserve the right to substitute the color when necessary.

**WORK LIGHTS****DUAL WORKLIGHT**

6-1/2" L (closed)  
8-7/8" L (extended)



- 250 lumens LED flashlight.
- COB worklight 190 lumens.
- Extend body to access COB worklight.
- 60 meters viewing distance with 200 lumen setting.
- Powerful magnetic base.
- Anodized aircraft-grade aluminum; water & impact-resistant.
- Includes belt holster and (4) AAA batteries.

PSS051816

Part No. 311232

**X-TREME MAGNETIC RECHARGEABLE COB LED WORKLIGHT**

- Stepless dimming feature.
- 500 lumens on high.
- 250 lumens on low.
- 3 hour run time on high.
- 6 hour run time on low.
- Rechargeable.
- Battery level indicator lights.
- Rugged construction.
- Protective corner bumpers offer drop protection.



Part No. 311249

PSS041818

**HEMIPLUS  
8-HOUR WORKLIGHT**

- Patented Uni-Beam™ technology: 70° perfect beam.
- 8800 mAh lithium-ion battery recharges in 4 hrs - charge anytime.
- Aluminum chassis, no-slip grip.
- Illuminates entire engine compartment.
- Projects a broad & solid light pattern / no shadows or hotspots.
- Withstands heavy shop use.

*Works  
hands free*

PSS100214

Part No.  
812917

Magnetic  
Base

9" L x 1-3/4" W x 1" D

**820**  
LUMENS

8 Hours

Li-ion

**33 LED PIVOT**

- 28 LED face worklight.
- 5 LED top flashlight.
- 360° swivel hook.
- (3) "AA" batteries (included).
- Stands on its own or may be hung by a hook.
- The light stand allows it to be pivoted in the direction needed.

*Works  
hands free*

Part No.  
812958

PSS100214

8-1/2" L x 1-1/4" W

**160**  
LUMENS

**CLIPSTRIP™ AQUA**

- Waterproof & floating.
- Strip array LED technology.
- Belt clip.
- Rechargeable 2200 mAh.
- Works hand free.

*Waterproof*

Part No.  
812924

PSS100214

Detachable  
Magnet

7-1/4" L x 1-1/2" W



**IP66**

**LED WORK LIGHTS**

*Latest  
technology*

**44 WATT AC LED WORK LIGHT**

- High powered COB LED - A/C powered.
- 4200 Lumen output.
- Remains cool to the touch - will not get hot.
- 3 ft. 18/3 SJTW cable.
- H-base design.
- Foam insulated handle.
- Ratcheting head feature.
- 50,000 hours life span.



PSS121014

**4200**  
LUMENS

Part No. 311252

**12 WATT LED RECHARGEABLE LIGHT**

- High powered COB LED.
- 1500 Lumen output.
- Remains cool to the touch - will not get hot.
- 2 hours run time (Lithium rechargeable batteries).
- H-base design.
- Foam insulated handle.
- Ratcheting head feature.
- 50,000 hours life span.



PSS121014

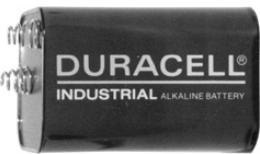
**1500**  
LUMENS

Part No. 311253

# BATTERIES

## ALKALINE LEAK PROOF INDUSTRIAL BATTERIES

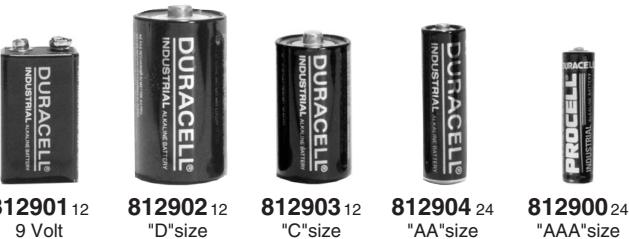
### DURACELL® LANTERN BATTERIES



**812907<sup>6</sup>**  
6 Volt, 20AH\*

\*AMP/Hours

### DURACELL® INDUSTRIAL CELLS



Duracell industrial batteries are constructed with an inner plastic lining to prevent leakage. This eliminates the possibility of damage to costly components. Duracell Alkaline industrial batteries cannot be purchased in retail stores and should not be confused with other Duracell batteries.

**NOTE: NO "MP"'S ALLOWED ON BATTERIES.**

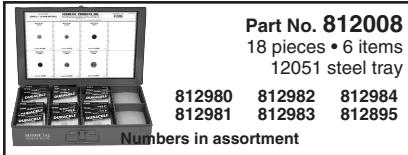
## LITHIUM BATTERIES

### DURACELL®

Keyless entry systems,  
calculators, watches, organizers,  
security devices, camera's,  
computer memory,  
camcorder and glucometers.



ACTUAL SIZE



**Part No. 812008**

18 pieces • 6 items  
12051 steel tray

812980 812982 812984  
812981 812983 812895  
Numbers in assortment

| PART NUMBER   | QTY | INDUSTRY NUMBER | VOLTAGE |
|---------------|-----|-----------------|---------|
| <b>812980</b> | 3   | CR1616          | 3.0     |
| <b>812981</b> | 3   | CR1620          | 3.0     |
| <b>812982</b> | 3   | CR2016          | 3.0     |
| <b>812983</b> | 3   | CR2025          | 3.0     |
| <b>812984</b> | 3   | CR2032          | 3.0     |
| <b>812985</b> | 3   | CR2450          | 3.0     |

## "A23" ALKALINE BATTERY



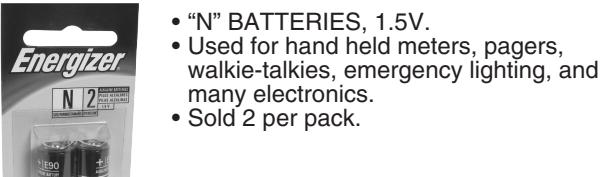
- "A23" BATTERIES, 12V.
- Used for keyless entry systems, alarm systems, calculators, digital cameras and more.
- Sold 2 per pack.

**Part No. 812979<sup>2</sup>**  
"A23" 12V alkaline

Actual Size  
7/16"

- Ideal for use in:
- Keyless entry.
  - Digital thermometers.
  - Car alarms and more...
  - Replaces: Ind LR44, AG13, Panasonic SP357, Duracell D357/303, Maxell SR4W.

**Part No. 812976<sup>3</sup>**  
1.5V lithium



## "N" ALKALINE BATTERY

- "N" BATTERIES, 1.5V.
- Used for hand held meters, pagers, walkie-talkies, emergency lighting, and many electronics.
- Sold 2 per pack.

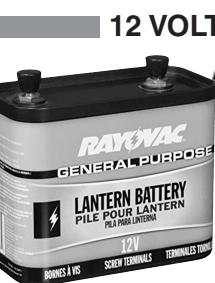
**Part No. 812978<sup>2</sup>**  
"N" 1.5V alkaline

## "3V" LITHIUM SIZE 123

- Delivers maximum power and longevity.
- Advanced technology for todays electronic & digital devices.

(Sold Individually)

**Part No. 812977**  
"3V" lithium size 123



## ENERGIZER 357 BUTTON CELL BATTERY

Rest assured your device will remain powered for along time using trusted reliable Energizer button and coin cell batteries.



Actual Size  
7/16"

**Part No. 812976<sup>3</sup>**  
1.5V lithium

- Ideal for use in:
- Keyless entry.
  - Digital thermometers.
  - Car alarms and more...
  - Replaces: Ind LR44, AG13, Panasonic SP357, Duracell D357/303, Maxell SR4W.

## ENERGIZER 1632 BUTTON CELL BATTERY

- Delivers long lasting, dependable performance.
  - Withstands temperatures -22°F to +140°F
- Use in: Remotes, Keyless Entry Systems, Key Fobs, Specialized Devices and more.



**Part No. 812992<sup>5</sup>**  
(CR1632) 3V lithium

## 12 VOLT LANTERN BATTERY



- Built to exceed performance demands of industrial applications.
- Environmentally safe – Meets EPA requirements for landfill disposal.
- 7900m AH, 12V Carbon-Zinc.

**Part No. 812910**

# PATRIOT WELDING & BRAZING RODS

## PATRIOT WELDING & BRAZING RODS

Specially formulated for top performance on every job - whether you weld over 8 hours a day or just 2-3 times a week - guaranteed to give you the best results you have ever had.



BRAZING



**TOP RATED RODS,  
MADE IN THE USA**



WELDING

### WELDING RODS

| NAME       | DESCRIPTION  | APPLICATION                      | 1/16 | DIAMETERS                    |                              |                              |
|------------|--|----------------------------------|------|------------------------------|------------------------------|------------------------------|
|            |  |                                  |      | 3/32                         | 1/8                          | 5/32                         |
| Cobra      | The ultimate electrode for welding all types of steels, without any danger of cracking or breakage. Ideal for "Stud Pull" applications.  | Steel                            | ---  | 818103<br>sold in 5lb. pack  | 818104<br>sold in 10lb. pack | 818105                       |
| Sidewinder | Universal all position mild steel electrode. Offers the convenience of flat, vertical up and down, and overhead welding without changing amperage setting. Electrode can be bent without flux breakage.  | Steel                            | ---  | 818113                       | 818114                       | 818115<br>sold in 10lb. pack |
| Combat     | Excels on rusty, greasy, poor fitting joints in all positions. Ideally suited for difficult maintenance repairs.   | Steel                            | ---  | 818123<br>sold in 10lb. pack | 818124                       | 818125                       |
| Torpedo    | Can gouge, bevel or cut all metals including stainless steels, aluminums and copper. No oxygen is required. Extra low smoke.   | All Metal<br>Cut, Groove & Gouge | ---  | ---                          | 818134                       | 818135<br>sold in 8lb. pack  |
| Tomahawk   | Unique self lifting slag. Long shelf life. Excellent for joining dissimilar grades of aluminum.  | Aluminum                         | ---  | 818143<br>sold in 5lb. pack  | 818144                       | 818145                       |
| Snakeye    | Electrode for joining dirty - contaminated cast irons and cast irons to steel. No Hazardous fumes. Crack resistant machinable welds.   | Cast Iron                        | ---  | 818163<br>sold in 10lb. pack | 818164                       | ---                          |
| Rescue     | Excellent all position capabilities. Extra low carbon content to resist pitting.   | Stainless Steel                  | ---  | 818173<br>sold in 5lb. pack  | 818174<br>sold in 10lb. pack | 818175                       |
| Phoenix    | For protecting most iron base surfaces against sever abrasive wear and moderate impact. Ripple free surface doubles "grip resistance". Special formula totally eliminates porosity.                      | Tool Steel<br>Hard Facing        | ---  | ---                          | 818184                       | 818185<br>sold in 10lb. pack |
| Harpoon    | Low hydrogen electrode produces an exceptionally smooth, spatter free arc transfer on mild and low alloy steels. Exhibits unusually good AC welding characteristics, slag release and instant re-strike. | Steel                            | ---  | ---                          | 818194                       | 818195<br>sold in 10lb. pack |
| Stinger    | For higher strength steel structures that require toughness and crack resistance. Low temperature/low hydrogen/extralow moisture content is below .14%.  | Steel                            | ---  | 818203<br>sold in 10lb. pack | 818204                       | ---                          |
| Matador    | Use for severe abrasion and mild impact resistance on iron based parts. Tubular large diameter chromium carbide electrodes requiring very low amperage.  | Tool Steel<br>Hard Facing        | ---  | 818404<br>sold in 10lb. pack | 818406                       | 818408<br>sold in 10lb. pack |

### BRAZING RODS

| NAME    | DESCRIPTION  | APPLICATION  | 1/16                          | DIAMETERS                    |        |      |
|---------|--|--------------|-------------------------------|------------------------------|--------|------|
|         |  |              |                               | 3/32                         | 1/8    | 5/32 |
| Falcon  | Cadmium free silver brazing alloy. Low temperature joining of dissimilar metals. Excellent where tolerances and fit are not perfect. The only flux coated silver flux strong enough to clean oxidized stainless steel. | Brazing Rods | 818301<br>sold in 1/4lb. pack | 818303                       | ---    | ---  |
| Defense | Bronze brazing alloy. Torch brazing most steels and cast irons. Especially suited for joining thin sections. Flux cleansing action is exceptional on dirty steels and cast irons.                                      | Brazing Rods | ---                           | 818313<br>sold in 10lb. pack | 818314 | ---  |
| Armor   | Ultra high purity nickel silver alloy. High strength joining of steels using both the thin flow and bead form techniques. Exceptional on dirty steels and cast irons.  | Brazing Rods | ---                           | 818323<br>sold in 10lb. pack | ---    | ---  |

All rods sold in moisture proof packs.

# WELDING

## PATRIOT STUD PULL ASSORTMENT



Part No. 501745

1 lb - 3/32"  
2 lbs. - 1/8"  
1 lb. - 5/32"  
12116 steel tray

PSS021814

- Removes broken bolts, drill bits, taps, easy outs, studs & rusted screws.

- Will not fail on any ferrite based metal or application.
- No special equipment needed. Quick & easy.
- Non-conductive coating will not SIDE ARC!
- Slag flows to the side during build-up protecting threaded stud hole walls with a ceramic type coating.
- You get a machinable deposit.
- High strength and elongation withstand the torque forces of extraction.

### INCLUDES

**COBRA** All types of steels. Ideal for "Stud Pull" applications.

## PATRIOT WELDING RODS STARTER ASSORTMENT



1/8" DIA.

Part No. 501747  
72 pieces • 7 items  
12116 steel tray

### INCLUDES

### Features five of our top selling rods.

**COBRA** All types of steels. Ideal for "Stud Pull" applications.

**SIDEWINDER** Universal all position mild steel electrode.

**COMBAT** For difficult maintenance repairs incl. rusty, greasy, poor fitting joints.

**TORPEDO** All metals including stainless steels, aluminums & copper.

No oxygen is required. Extra low smoke.

**PHOENIX** Tool steel & hard facing applications. Totally eliminates porosity.

### ACCESSORIES

#### SOAPSTONE/HOLDER

For marking cutting line /weld areas.

#### WIRE SCRATCH BRUSH

10" x 1-1/8" block. Shoe handle design.

## SCAVENGER WELDING WIRE

Mild steel wire produces high quality welds due to higher levels of manganese & silicon.



Superior Tensile strength: 95,000 P.S.I.

| PART NUMBER | DIAMETER | PER SPOOL |
|-------------|----------|-----------|
| 818200      | .035     | 33 lbs.   |
| 818201      | .045     | 33 lbs.   |

**Applications:** General purpose, steel castings, forging salvage, tanks, sheet metal and construction.

- Outperforms others on dirty, oily or rusty steel.
- High silicon content increases fluidity of weld pool.
- Creates a smoother bead appearance & results in minimal post weld grinding.
- Provides porosity-free, x-ray quality welds.
- Requires a shielding gas: CO<sub>2</sub> and / or CO<sub>2</sub> mix.

## SUPER HIGH STRENGTH MIG WELDING WIRE

Ideally suited for automotive frame work and body "sectioning".



Tensile strength: 80,000 P.S.I.

| PART NUMBER | DIAMETER | PER SPOOL |
|-------------|----------|-----------|
| 812826      | .030     | 11 lbs.   |
| 812827      | .035     | 11 lbs.   |

• 35% STRONGER than ordinary high strength steel wire (standard H.S. wire yields 58,000 to 60,000 PSI tensile strength.)

- Excellent results on rusted, thinly scaled steels.
- Ideal for deep penetration.
- High tensile strength makes this wire more compatible with today's high strength steels than ordinary MIG welding wires.

- Use 75% ARGON - 25% CO<sub>2</sub>.

## GENERAL PURPOSE MIG WELDING WIRE



Tensile strength: 70,000 P.S.I.

| PART NUMBER | DIAMETER | PER SPOOL |
|-------------|----------|-----------|
| 812833      | .023     | 11 lbs.   |
| 812834      | .030     | 11 lbs.   |

• Mild steel wire for use on low and medium carbon steel.

- Contains silicone and manganese.
- Excellent for welding over rust and scale.
- Fluid weld puddle and flat beads.
- Minimum build up, less grinding required.
- Use with C0<sub>2</sub>, 75% Argon - 25% C0<sub>2</sub>, or Argon - Oxygen Yields higher strength when Argon is the main shielding gas because less manganese and silicone is burned out.

- AWS Class - ER7OS-6.

## ALUMINUM MIG WELDING WIRE



Tensile strength: 35,000 P.S.I.

| PART NUMBER | DIAMETER | PER SPOOL |
|-------------|----------|-----------|
| 812831      | .030     | 1 lbs.    |

• Excellent for anodized aluminum and general aluminum repair

- Wire has clean, bright, smooth finish that assures trouble free feeding.
- Produces porosity free welds.
- Uniform bead shape with excellent penetration.
- Superior cracking resistance and maximum strength.
- Use with 100% Argon gas.
- A unique blend of AWS 4043 and AWS 5356.

# WELDING ACCESSORIES and SUPPLIES

## SPARK LIGHTER



- Large 1 square inch file area.
- Large diameter spark flint.
- Cartridge holding flint locks exactly into position.

| PART NUMBER | DESCRIPTION        | QTY |
|-------------|--------------------|-----|
| 412211      | Spark lighter      |     |
| 412212      | Replacement flints | 6   |

## ANTI-SPATTER



**Use on MIG nozzles, contact tips, electrode holders, fixtures, welding tips and wheels.**

- Prevents weld spatter adhesion on any surface.
- No ozone depleting chemicals.
- No silicones, fluorocarbons, or methylene chloride.
- Flash point above 250° F.
- 11 oz. net wt. (311g) Contents 20 fluid oz.
- "WET" Spray formula.
- Paintable.
- Non-Flammable.
- 3X's more active ingredients than other brands.

Part No. 812610      PSS020320.812610 (REV120120)

## WELDING BLANKETS



| PART NUMBER | DESCRIPTION |
|-------------|-------------|
| 412240      | 6 ft x 6 ft |

**Use for general purpose welding, sparks and spatter.**

- 35 oz. (industry standard) white fiberglass-no coating.
- 1000°F melting temperature.
- .08" thick, grommets on 18" centers.
- Locked stitched with heat resistant fiberglass thread.

**WARNING:** Temperature and applications intended as a guideline only and implies no guarantee of performance. All blankets are subject to burn through. The product only provides temporary protection within their individual specifications. It is the users' responsibility to monitor the activity and use of the product at all times.

## SOAPSTONE AND HOLDER



- For marking cutting lines and weld areas.

| PART NUMBER | DESCRIPTION  | QTY |
|-------------|--|-----|
| 412213      | Round aluminum soapstone holder with pocket clip & one soapstone |     |
| 412214      | Soapstone refills  | 6   |

## ANTI-SPATTER DIP GEL



- Leading water based gel.
- Reduces build up on nozzles and tips.
- Excellent cooling properties for longer tip and nozzle life.
- Can dip hot or cold.
- Gel will not migrate into liner.
- Non-flashing, biodegradable, paintable and non-toxic.
- 16 oz. jar

PSS020220

Part No. 812609

## HEAVY DUTY WELDING GLOVES



- Heat resistant.
- 4-1/2" heavy safety cuff.
- Heavy top quality leather - palm, back, fingers, cuff.
- Fully lined.
- Wing thumb.
- Gunn pattern.
- Seamless back.
- 12-1/2" overall length.

Part No. 312113

## PATRIOT WELDING ROD CANISTERS



MADE IN  
THE USA

Part No. 818014 for 14"

Part No. 818018 for 18"

- Each canister provides air tight storage for welding rods. It protects them from moisture, contaminants, and damage.
- Constructed of high impact polyethylene - they can be reused for many years.
- Threaded cap includes a long lasting neoprene seal.
- Great for on-the-go repairs.



Holds up to 10 pounds of welding rods

# WELDING ACCESSORIES and SUPPLIES

## BIONIC™ SHIELD



The Bionic™ Shield...is a revolutionary face shield. Designed for rugged jobs, it's tough where it has to be, yet extremely lightweight and balanced for all-day comfort.

- Extended top-of-head coverage.
- Superior optics and full face visor designed to maximize visibility and protection.
- Quick, easy and economical visor replacement.
- Built-in chin protection deflects flying particles and debris.
- Flips down for hands free availability.
- Lightweight, ergonomically designed for long term wear.
- Can be comfortably worn with most goggles and respirators.

Meets ANSI Z87.1-2003 (High Impact) and CAS Z94.3 standards.

Part No. 812661  
Replacement Shade Clear  
(sold separately)

Part No. 812669  
Replacement Welding Shade - Shade 5.0 (sold separately)  
Infra-dura® Welding shade for cutting operations

Part No. 812668  
Clear Lens (included)  
Ideal for most indoor work applications



Highly adjustable headgear tilts visor nearer or farther from face depending on preference and application.



Easy-to-set, ratcheting headgear locking mechanism assures comfortable, secure fit.



Shell offers built-in chin protection and extended top-of-head coverage.



Comfortable cell foam on back of headgear.

## FACE SHIELDS

Greatest protection available.

- Meets ANSI Z87.1-1979 specifications.
- Positive lock head gear.
- 2 dimension snap-in locking head gear.
- 8" x 12" x .040 window (not included).

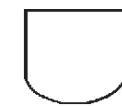
Part No. 812556

(Order window separately from chart to the right)



## WINDOWS FOR SHIELDS

| PART NUMBER | SIZE INCHES   | COLOR         | USED WITH SHIELD NO. |
|-------------|---------------|---------------|----------------------|
| 812558      | 8 x 12 x .040 | Clear         | 812556               |
| 812559      | 8 x 12 x .040 | Green-shade B | 812556               |



## AUTO DARKENING WELDING HELMET

- Viewing size: 4" x 2-3/8".
- Viewing area switches from dark to light within seconds.
- Mask made of high impact resistant special nylon.
- Light state shade: 4 / dark state shade: 9-13.
- Power supply solar cell & lithium batteries.
- UV/IR protection: DIN 15.
- CE EN 379, ANSI Z87.1, CSA Z94.3.

Part No.  
812673

PSS122012



## FLASH GLASSES

- Provides flash protection against infrared radiation.
- Worn under welding helmets.
- Adjustable temples.
- Green perforated side shields.
- Universal bridge.
- Durable ebony frame.
- Heat treated dark green glass lenses.
- Large 40mm eye size.



Part No. 812544

## LENSES AND PLATES

- Ultimate shield against infra-red and ultra-violet radiation.
- Superior visibility compared to standard green lenses.
- Reduces eye strain and fatigue.
- Highly improved view of weld puddle.



| PART NUMBER | SIZE INCHES   | COLOR       | MATERIAL      | USE WITH PART NUMBER | QTY |
|-------------|---------------|-------------|---------------|----------------------|-----|
| 812539      | 2 x 4-1/4     | Clear-Cover | CR-39 cover   | In front of filter   | 6   |
|             |               |             | plastic plate | Lens all 2 x 4-1/4   |     |
| 412223      | 4-1/2 x 5-1/4 | Clear       | Cover plate   |                      | 3   |
| 412222*     | 4-1/2 x 5-1/4 | No. 10 Gold | Polycarbonate |                      |     |

**WARNING:** Always replace pitted or scratched protective lenses and plates. Always use a clear cover plate over lenses.

## COLOR SELECTION GUIDE

| SHADE NO. | STD. VISIBLE TRANS. | ULTRA-VIOLET TRANS. | INFRA-RED TRANS. | RECOMMENDED USES  |
|-----------|---------------------|---------------------|------------------|---|
| 5         | 1.93%               | none                | less than .01%   | Light acetylene welding, cutting up to 1 inch; torch brazing; light electric spot welding.      |
| 10        | 0.0139%             | none                | less than .01%   | Shielded metal-arc welding 1/16, 3/32, 1/8, 5/32 inch electrodes. Arc welding - 75-200 amperes. |

Helmet and goggles meet ANSI Z87; 1-1979 specifications.

**BRAZING / SOLDERING / SUPPLIES****DYNALLOY FLUXALL SOLDERING FLUX**

- Versatile, general purpose liquid soldering flux.
- Highly active - sweeps away oxides.
- Improves wetting and overall performance of all soft solders.
- Removes easily with hot water.



Part No. 812691  
4 fl. oz.

**C-FLUX PASTE**

Pre-cleans, pre-tins

For solder joining copper tubing. Spread on components, assemble, apply heat. When C-FLUX turns silvery, touch solder to the joint and the job is done.

**LEAD FREE**



Part No. 812690  
3 oz. net wt. jar

**PROFESSIONAL MODEL TS7000, SELF-IGNITING TORCH**

For soldering, brazing, heating, and paint removal.



- Piezzo electronic ignition - instant on, instant off, no flints, batteries, strikers or matches required.
- Built in regulator and adjustable flame control knob.
- Burns propane or MAPP gas - up to 13000 BTU with capability to reach over 3000° F. More heat than any other portable torch.
- Soft solder up to 4" diameter copper pipe with propane gas. Braze and silver solder up to 1-1/4" diameter copper pipe using MAPP gas.

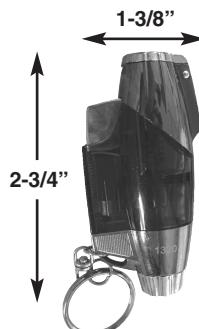
Part No. 213350  
Torch Head (gas not included)

**PENCIL FLAME TORCH**

Part No. 213351

**MICRO TORCH**

- Hand held compact size.
- Easily fits in a pocket or on a keychain.
- Non stop burn time - 30 minutes.
- Flame temp.: 1300° - 2400°C.
- Requires butane fuel sold separately, Part No. 412230.



Part No. 412229

**BUTANE FUEL**

- Compact size.
- Small can fits anywhere.
- Non clogging dispensing.
- No CFC's to deplete the ozone, no UPS Hazmat charge.
- Always use safety glasses.



Part No. 412230  
15/16 fl. oz. (26.5 g)

**SUPER BLASTER TORCH**

Ideal for soldering, de-soldering, heat shrinking & terminating, heating, lighting, melting wax and other micro torch applications.

- Wide stable base for hands-free usage.
- Produces a broad yellow or blue pinpoint adjustable wind resistant flame.
- Built in self igniting switch makes it easy to ignite.
- Flame temperature up to 2500° F.
- Refillable butane gas tank runs on a full charge.
- 15/16 oz. butane fuel included.



Part No. 412227

**MINI TORCH**

Use for: General heating and drying, activating adhesive, bending & forming plastics, preheating flux, heat shrink applications, stretching vinyl and repairing, thawing frozen locks.

- Includes heat reflector especially designed for heat shrink terminals.
- Flameless heat.
- Temperatures up to 650°C (1300°F)



Part No. 412228

### 3M TEMPERATURE COMPENSATED VINYL ELECTRICAL TAPE

- For year-round use even down to 10°F.
- 9,000 volts per layer, dielectric strength.
- Superior adhesive compound allows smoother unroll and tighter, surer bond.
- Withstands exposure to weather, cold, corrosive fumes, oil, grease and acid.
- Unusual pliability, flexibility and conformability.
- Made in the U.S.A.



Part No. 812202 10  
3/4" x 60'

### FRICITION TAPE

- Widely used in electrical and maintenance applications.



Part No. 812206  
3/4" x 60'

### E-Z SEAL DIELECTRIC COMPOUND TAPE

Seals, insulates, weatherproofs & protects any surface.

- Dielectric strength exceeds 16KV (ASTM D-10000).
- Self adhesive, sticks to any surface.
- Unaffected by UV rays, sunlight, water, salt, oil, grease or battery acid. (ASTM D-543)
- Tough vinyl backing stops sagging on vertical applications.
- Seals tightly from -30° below zero to +150°F.
- Paintable.



Part No. 812218  
(1 roll) 2-1/2" x 10ft.

*Will not shrink,  
crack & stays  
flexible*

### 3M #27 HIGH TEMPERATURE GLASS CLOTH ELECTRICAL TAPE

- Heat resistant fiberglass tape with special pressure sensitive, thermosetting adhesive. (Class B)
- Provides heat stable insulation for hot applications such as furnace and oven controls, motor leads and switches.
- CSA listed: Bulletin 827B.
- UL Recognized Component listing for 150°C. (Guide OANZ2, File E17385)



Part No. 812212  
1/2" x 66'

### STRETCH & SEAL

Self-fusing silicone wrap.

- Waterproof seal resists corrosion, shock and vibration.
- Conforms to any shape.
- No adhesives; self-vulcanizing; fuses to itself.
- No heat needed, complete bond after 24 hrs. at room temp.



Part No. 812204  
1" x .020" x 36' Roll  
COLOR: Red

*Seals  
electrical  
connections*

**Operating Temp.:**  
-50°F to 400°F Continuous  
-80°F to 500°F Intermittent  
Dielectric Strength:  
400 volts.

| COLOR       | 1" x .020" x 10' ROLL |
|-------------|-----------------------|
| Red         | <b>813241</b>         |
| Black       | <b>813242</b>         |
| Blue        | <b>813243</b>         |
| White       | <b>813244</b>         |
| Yellow      | <b>813245</b>         |
| Green       | <b>813246</b>         |
| 6 pc. Asst. | <b>813240</b>         |

includes 1 roll of each color. (above #'s only)

### 3M SUPER 33+

3M's best vinyl electrical tape.

- Wraps & holds in all weather and continues to perform in sub-zero temperatures or in temperatures up to 105°C (220°F).
- Excellent resistance to flame, abrasion, moisture, alkalies, solvents, oil and many acids.



Part No. 812201 10  
3/4" x 66'

### LINERLESS SPLICING TAPE

#### SELF-BONDING

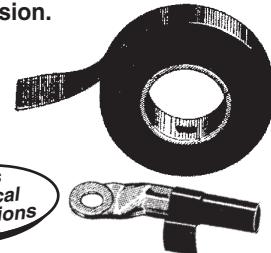
Fuses into a solid insulation within 24 hrs. of application.

Protects against moisture & corrosion.

- Easy to apply, no paper liner.
- No heat needed - bonds to itself.
- Conforms to any shape.
- Provides tight seal in temps. from -50° to 300° F.

| PART NUMBER | DESCRIPTION<br>INCHES X FEET |
|-------------|------------------------------|
| 812210      | 3/4" x 15                    |
| 812211      | 1-1/2" x 15                  |

*Seals  
electrical  
connections*



### LIQUID ELECTRICAL TAPE

- Outperforms regular tape by virtually sealing out all moisture, dirt & corrosion.
- Great for tight places that can't be reached with ordinary tape.
- Sticks to metal, rubber, vinyl & plastic.
- Forms a tough, flexible, black coating that dries at room temperature in just 5 minutes.
- Will not become brittle & crack like similar PVC based competitive brands.



Part No. 211211

4 fl. oz.

Brush-on applicator lid

Tested and approved for initial assembly by one of the leading manufacturers of electric fork lifts. Determined to be the best battery terminal protector & sealer ever used.

### 3M #35 ELECTRICAL COLOR CODING TAPE

Color coding of motor leads, circuits, piping systems, splices, terminations and phase identification.

- 7-mil. flame retardant, weather resistant, vinyl.
- Excellent electrical insulating properties.
- Resists weather, abrasion, corrosion, alkalies and acids.
- Pressure-sensitive, rubber based adhesive.



| COLOR   | 1/2" x 20' ROLL | 3/4" x 66' ROLL |
|---|-----------------|-----------------|
| Red   | <b>812741R</b>  | <b>812742R</b>  |
| Yellow  | <b>812741Y</b>  | <b>812742Y</b>  |
| Blue  | <b>812741BL</b> | <b>812742BL</b> |
| White   | <b>812741W</b>  | <b>812742W</b>  |
| Green   | <b>812741G</b>  | <b>812742G</b>  |
| Orange  | <b>812741OR</b> | <b>812742OR</b> |
| 6 pc. Asst.                                     | <b>812003</b>   | <b>812004</b>   |
| includes 1 roll of each color. (above #'s only) |                 |                 |
| Brown   |                 | <b>812742BR</b> |

# TAPES

## RUBBER AMALGAMATING WRAP

Solves problems maintenance professionals experience when using traditional wraps!!



1" x 120"

- Thickness is 30 mils
- Tensile Strength is 300 psi
- Meets ASTM D4388
- Made in USA

### Saves Time & Labor Cost

- Easy to unroll and use.
- Requires no heat or open flame.
- Conforms easily to irregular or unusual shapes.

### Reliable & Durable

- No gaps or open spaces.
- Excellent tensile strength.
- Resistant to water, weather, U-V rays, ozone & chemicals.

### Versatile

- Ideal for electrical & plumbing repairs.
- Excellent for high-voltage applications.
- Use indoors or outdoors – above or below ground.

PSS081515



**ASTM TESTED**  
from -40°F to +267°F

## PREMIUM HEAVY DUTY, PRESSURE SENSITIVE PLASTIC COATED CLOTH TAPE

High quality tape used for repairing, sealing, waterproofing & reinforcing seams.



### For Use On The Following:

- School buses.
  - Truck seats.
- | PART NUMBER | SIZE (in x yds) | COLOR |
|-------------|-----------------|-------|
| 812972      | 2 x 60          | Gray  |
| 812973      | 2 x 60          | Black |
| 812804      | 3 x 60          | Gray  |
| 812391      | 4 x 60          | Green |
| 812392      | 4 x 60          | Brown |
| 812393      | 4 x 60          | Gray  |
| 812394      | 4 x 60          | Black |

## DUCT AND SEAT REPAIR TAPE

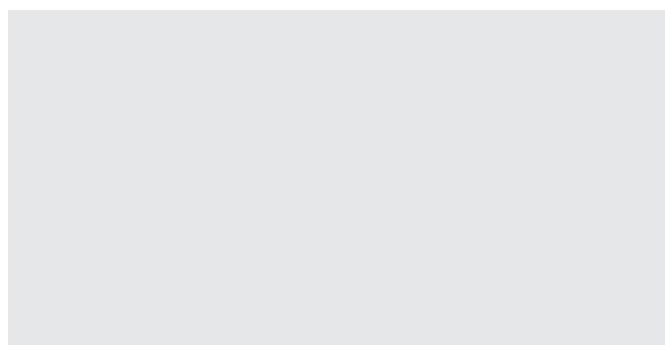
A rugged, laminated economical brand cloth tape.



- Assures airtight, waterproof joints.
- 2" x 60 yds.

| PART NUMBER | COLOR  |
|-------------|--------|
| 812207      | Silver |
| 813250      | Black  |
| 813251      | Red    |
| 813252      | Orange |

Other colors are available on a Special Order Basis. Must order in case lots of 24 each. Colors available are: Beige, Blue, Burgundy, Brown, Green, Olive, Purple, White or Yellow.



## NINJA WRAP - HOSE PROTECTION WRAP

Extends the life of expensive hoses!



AS EASY AS  
1-2-3!  
Clean • Wrap  
Secure

PSS050514

Eliminate costly  
downtime!

| PART NUMBER | LENGTH  |
|-------------|---------|
| 418325      | 6 feet  |
| 418326      | 10 feet |
| 418327      | 25 feet |

- Flexible, tough self-adhesive neoprene wrap.
- Protects against wear, cuts and abrasions.
- Repairs pinhole leaks in hydraulic hoses.
- Resists oil, gasoline, alkalis, acids & sunlight.
- Weathers well, good resistance to flames and abrasions.

- Prevents hose to hose abrasions.
- Simple, economical solution.
- Easy installation in minutes.
- No special tools needed.
- One size wrap - fits all!
- Use on any diameter hose.
- No need to remove hoses.

(Secure with RUBBER AMALGAMATING WRAP, Part No. 812241)

## GORILLA TAPE

Gorilla Tough on a Roll! Taking Tape to a Tougher Extreme.



PSS081210



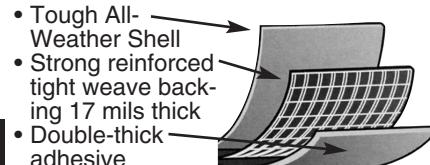
PSS072715

Part No. 813263  
2.88 in. x 30 yds.  
COLOR: BLACK

| PART NUMBER | SIZE INCHES/YARDS | COLOR  |
|-------------|-------------------|--------|
| 813260      | 1.88 x 35         | BLACK  |
| 813257      | 1.88 x 35         | SILVER |
| 813258      | 1.88 x 30         | WHITE  |

- Bonds • Protects • Holds • Repairs • Patches • Seals •
- Works especially well on rough, porous or imperfect surfaces. Tight barrier against moisture, high UV qualities and withstands high temperatures.
- Twice the grip of duct tape.
- Now even tougher, reinforced backing with a cleaner tear.

Sticks to  
brick, stucco  
& plaster



See page 82 for  
"GORILLA GLUE"

## GORILLA CLEAR REPAIR TAPE

Clearly the toughest – fix, patch, seal, hold & protect.

- Extra Heavy Duty – mil thick tape
- Gorilla Tape Strength – Extra thick adhesive
- Crystal Clear – Won't yellow outdoors
- Easy To Tear By Hand – Notched edge design
- Weatherproof – Water, UV & temp. resistant



PSS010614  
PROUDLY  
MADE IN THE USA  
Part No. 813259  
1.88 in. x 27 ft.

**Virtually Endless Uses:**  
Leather/Seat Cushions, Auto. Repair, Tarps/Awning Covers, Cracked Tail Lights, Cracked Smartphones and much more!

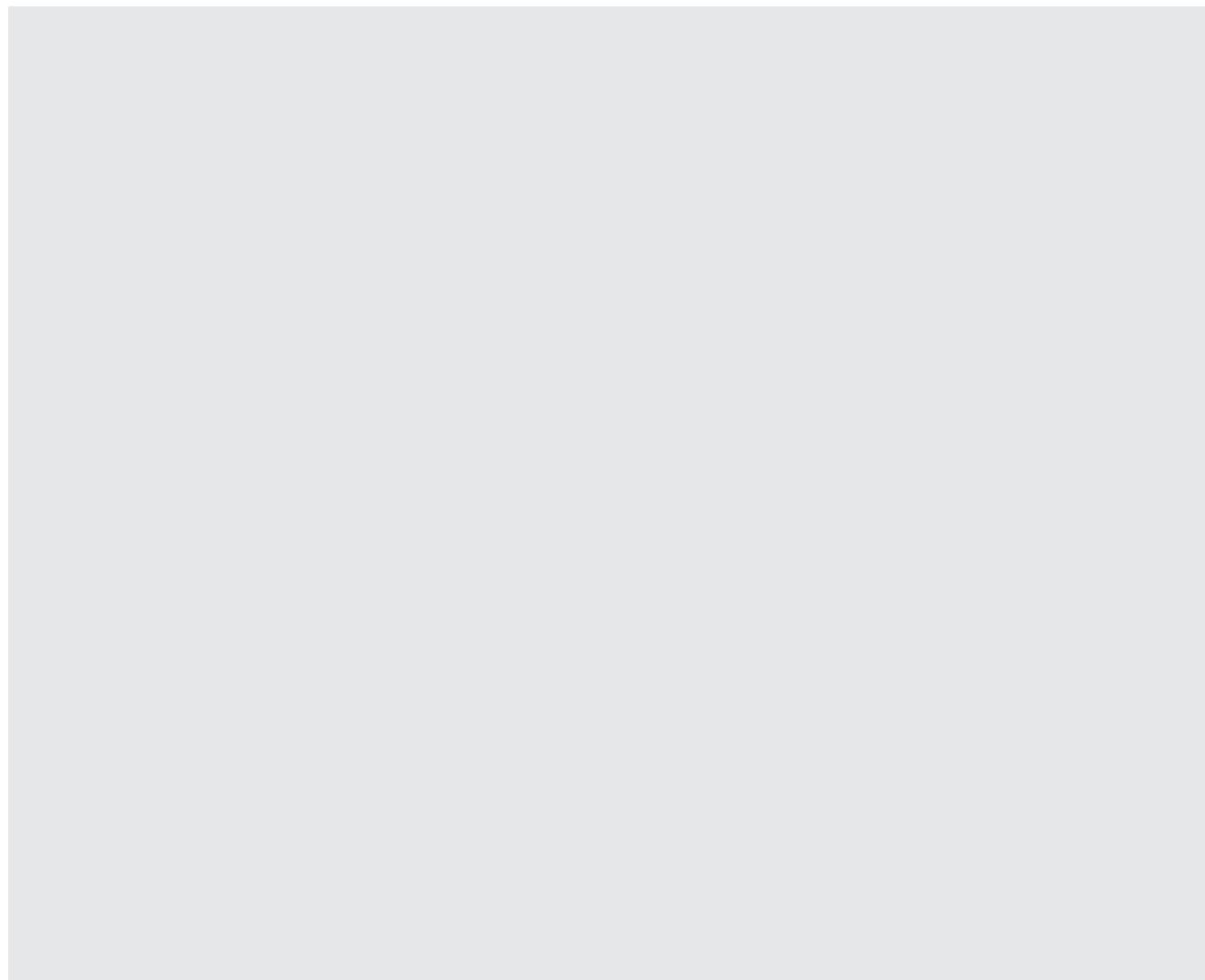
**3M VHB TAPE R45  
GRAY DOUBLE SIDED FOAM TAPE**

- Fast and easy-to-use permanent bonding method provides high strength and long-term durability.
- Virtually invisible fastening keeps surfaces smooth.
- Can replace mechanical fasteners (rivets, welding, screws) or liquid adhesives.
- Gray, 0.045", multi-purpose adhesive and conformable acrylic foam core.
- Bonds to aluminum, stainless steel, galvanized steel, composites, plastics, acrylic, polycarbonate, ABS, and painted or sealed wood and concrete.
- Eliminate drilling, grinding, refinishing, screwing, welding and clean-up.
- Creates a permanent seal against water, moisture and more.



| PART NUMBER   | SIZE (in x yds) |
|---------------|-----------------|
| <b>906641</b> | 1/2 x 5         |
| <b>906642</b> | 3/4 x 5         |

PSS090319



# TAPES

## RUBBER AMALGAMATING WRAP

Solves problems maintenance professionals experience when using traditional wraps!!



1" x 120"

- Saves Time & Labor Cost**
- Easy to unroll and use.
- Requires no heat or open flame.
- Conforms easily to irregular or unusual shapes.

### Reliable & Durable

- No gaps or open spaces.
- Excellent tensile strength.
- Resistant to water, weather, U-V rays, ozone & chemicals.

### Versatile

- Ideal for electrical & plumbing repairs.
- Excellent for high-voltage applications.
- Use indoors or outdoors – above or below ground.

PSS081515

**ASTM TESTED**  
from -40°F to +267°F



## PREMIUM HEAVY DUTY, PRESSURE SENSITIVE PLASTIC COATED CLOTH TAPE

High quality tape used for repairing, sealing, waterproofing & reinforcing seams.



### For Use On The Following:

- School buses.
- Truck seats.

| PART NUMBER | SIZE (in x yds) | COLOR |
|-------------|-----------------|-------|
| 812241      | 1 x 120         | Black |
|             | QTY             | 6     |
| 812972      | 2 x 60          | Gray  |
| 812973      | 2 x 60          | Black |
| 812804      | 3 x 60          | Gray  |
| 812391      | 4 x 60          | Green |
| 812392      | 4 x 60          | Brown |
| 812393      | 4 x 60          | Gray  |
| 812394      | 4 x 60          | Black |

## DUCT AND SEAT REPAIR TAPE

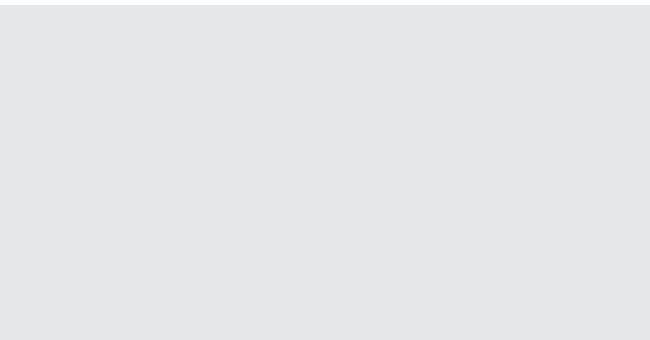
A rugged, laminated economical brand cloth tape.



- Assures airtight, waterproof joints.
- 2" x 60 yds.

| PART NUMBER | COLOR  |
|-------------|--------|
| 812207      | Silver |
| 813250      | Black  |
| 813251      | Red    |
| 813252      | Orange |

Other colors are available on a Special Order Basis. Must order in case lots of 24 each. Colors available are: Beige, Blue, Burgundy, Brown, Green, Olive, Purple, White or Yellow.



## NINJA WRAP - HOSE PROTECTION WRAP

Extends the life of expensive hoses!

PSS050514



AS EASY AS  
1-2-3!  
Clean • Wrap  
Secure

Eliminate costly  
downtime!

| PART NUMBER | LENGTH  |
|-------------|---------|
| 418325      | 6 feet  |
| 418326      | 10 feet |
| 418327      | 25 feet |

- Flexible, tough self-adhesive neoprene wrap.
- Protects against wear, cuts and abrasions.
- Repairs pinhole leaks in hydraulic hoses.
- Resists oil, gasoline, alkalis, acids & sunlight.
- Weathers well, good resistance to flames and abrasions.
- Prevents hose to hose abrasions.
- Simple, economical solution.
- Easy installation in minutes.
- No special tools needed.
- One size wrap - fits all!
- Use on any diameter hose.
- No need to remove hoses.

(Secure with RUBBER AMALGAMATING WRAP, Part No. 812241)

## GORILLA TAPE

Gorilla Tough on a Roll! Taking Tape to a Tougher Extreme.



PSS072715

PSS081210

Part No. 813263  
2.88 in. x 30 yds.  
COLOR: BLACK

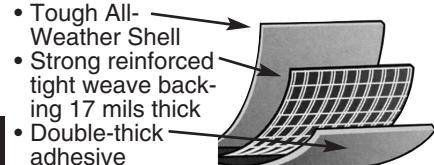
| PART NUMBER | SIZE INCHES/YARDS | COLOR  |
|-------------|-------------------|--------|
| 813260      | 1.88 x 35         | BLACK  |
| 813257      | 1.88 x 35         | SILVER |
| 813258      | 1.88 x 30         | WHITE  |

### • Bonds • Protects • Holds • Repairs • Patches • Seals •

- Works especially well on rough, porous or imperfect surfaces. Tight barrier against moisture, high UV qualities and withstands high temperatures.
- Twice the grip of duct tape.
- Now even tougher, reinforced backing with a cleaner tear.



See page C11-2 for  
"GORILLA GLUE"



## GORILLA CLEAR REPAIR TAPE

Clearly the toughest – fix, patch, seal, hold & protect.

- Extra Heavy Duty – mil thick tape
- Gorilla Tape Strength – Extra thick adhesive
- Crystal Clear – Won't yellow outdoors
- Easy To Tear By Hand – Notched edge design
- Weatherproof – Water, UV & temp. resistant

PSS010614



Part No. 813259  
1.88 in. x 27 ft.

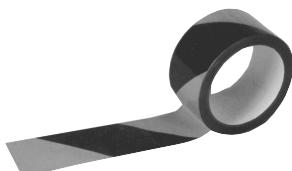
Virtually Endless Uses:  
Leather/Seat Cushions, Auto.  
Repair, Tarps/Awning Covers,  
Cracked Tail Lights, Cracked  
Smartphones and much more!

**TAPES**

For use in hazardous areas in factories, state, city and federal agencies, warehouses, construction sites, etc.

**HAZARD STRIPE TAPE**

OSHA approved (OSHA 1910.1449(A))



Part No. 812213  
2" x 18 yd. roll

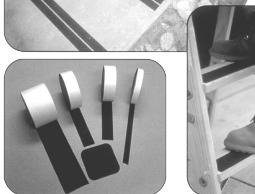
- Yellow and black stripe - universally recognized as caution & physical hazard.
- Pressure sensitive vinyl - sticks to any clean dry surface.
- Fade resistant.
- Temperature and abrasion proof, outlasts paint.
- Ready to use - no backing.

**SAF-STEP NON-SLIP TAPE**

An economical brand of non-slip tape with a rugged aluminum oxide grit surface that's bonded to the tape and is impervious to water, grease, oil, detergents and solvents.

**For Use On The Following:**

- Stairs & ladders.
- Factories & repair facilities.
- Restaurant kitchens.
- Truck beds & steps.
- Ramps & dock lifts.
- Machine shops and shipping areas.
- Service stations.

**Black Only**

| PART NUMBER | SIZE IN. x FT. |
|-------------|----------------|
| 812396      | 2 x 60         |
| 812397      | 4 x 60         |
| 812398      | 6 x 60         |

**Easy To Apply:**

Just peel off the backing and press in place.  
Adheres instantly to most clean, dry, oil-free surfaces.

**PRESSURE SENSITIVE,  
TWO SIDED FOAM TAPE**

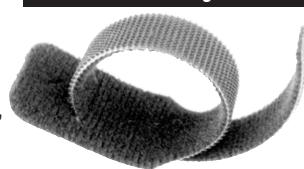
- Closed cell polyethylene carrier is resistant to freeze/cracking & condensation; essentially a flexible solid.
- Rubber based adhesive bonds immediately.
- Bonds to paper, aluminum, steel, glass, ceramic, rubber, cloth, ridged vinyl, painted surfaces, etc.

| PART NUMBER | WIDTH INCH (MM) | THICKNESS INCH (MM) | LENGTH PER ROLL FEET (MM) |
|-------------|-----------------|---------------------|---------------------------|
| 812997      | 1/2 (12.70)     | 1/32 (0.79)         | 216 (65,836.8)            |
| 812998      | 3/4 (19.00)     | 1/32 (0.79)         | 216 (65,836.8)            |
| 812999      | 1 (25.40)       | 1/32 (0.79)         | 216 (65,836.8)            |

**VELCRO® CABLE WRAPS**

- Easy installation, only requires a screw for mounting.
- One piece construction, no back-to-back loop & hook.
- Reusable and adjustable, can be reused up to 200 times.
- Roll dispenser, no lost cables, just cut off number of cable wraps needed.

For quick cable mounting or bundling.



| PART NUMBER | COLOR | APPROX. BUNDLE DIAMETER-INCHES | OVERALL LENGTH INCHES | WIDTH INCHES | QTY |
|-------------|-------|--------------------------------|-----------------------|--------------|-----|
| 210997      | Black | 2                              | 8                     | 1/2          | 25  |

**BARRICADE TAPES****"CAUTION" Tape**

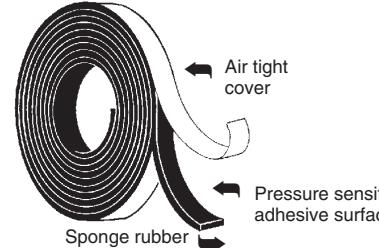
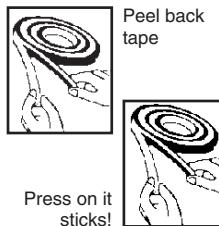
Part No. 812214  
3" x 1000 ft. roll



- Available either blank or with "caution" message imprinted in black.
- Durable, lightweight yellow polyethylene .003 mil thick.
- Non-adhesive.
- Weatherproof and chemical resistant.
- Packed in a handy dispenser box.

**KWIK-SEAL SPONGE  
RUBBER WEATHERSTRIP**

Self-adhesive • Easy to use • Strong, durable bond  
Has a "memory" for tight, positive sealing,



A self-adhesive sponge rubber weatherstrip that is easy-to-apply for automotive and industrial applications. Use on boats, refrigerators, doors and windows-almost anywhere that a permanent, waterproof flexible seal is needed. Available in convenient 50 foot rolls.

| PART NUMBER | THICKNESS INCHES | WIDTH INCHES | PART NUMBER | THICKNESS INCHES | WIDTH INCHES |
|-------------|------------------|--------------|-------------|------------------|--------------|
| 717301      | 5/16             | 3/8          | 717304      | 7/16             | 3/8          |
| 717302      | 5/16             | 1/2          | 717305      | 7/16             | 1/2          |
| 717303      | 5/16             | 3/4          | 717306      | 7/16             | 3/4          |

**VELCRO® HOOK and LOOP  
FASTENING TAPE**

Used by body shops, RV dealers, airlines, hospitals, marinas and more.

**Regular Duty:** Sticky Back® adhesive bonds to smooth surfaces such as glass, metal and most plastics (except PVC).

**Industrial Strength:** 50% stronger than Sticky Back®. Sticks on more surfaces, especially plastics. Use indoor & outdoor. Waterproof, even when submerged.

**HOOK and LOOP  
PACKED  
TOGETHER**

- Pressure sensitive adhesive backing.
- Heavy duty nylon construction.
- Immune to vibration.

| PART NUMBER | COLOR | SIZE FT. X IN. | ADHESIVE TYPE       |
|-------------|-------|----------------|---------------------|
| 312140      | Black | 5 x 3/4        | Regular duty        |
| 312139      | Black | 5 x 2          | Industrial strength |

# TAPES

## 3M DUAL LOCK RECLOSEABLE FASTENING SYSTEM

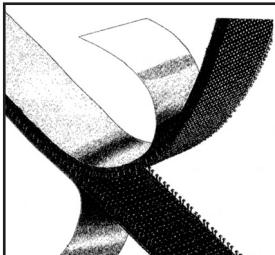
5 times more holding power than hook and loop fasteners.

Used on cellular phones, headlight covers, window louvers, van conversions, sunshades, boat covers, tackle boxes, ski accessories, computer battery packs, access panels, acoustical panels, furniture trim, air conditioner covers and building attachments.

When Dual Lock reclosable fasteners are pressed together, hundreds of mushroom-shaped stems interlock with one another. An audible snap indicates the fastener is locked.



PSS091516.312190



Part No. 312190  
1" x 4.9 yds.

- Mates to itself.
- Can open & close more than 1,000 times during their life.
- Clear color blends with all backgrounds.
- VHB (very high bond) pressure-sensitive, UV resistant, adhesive backing. Can also be stapled or sewn.

## INDUSTRIAL GRADE DUCT TAPE

Super strong and maximum strength.

- 4-ply construction - stronger than traditional 3-ply tapes.
- Superior adhesion.
- Tears easily, tough yet flexible.
- Longer lasting.
- Weatherproof.
- Won't delaminate over time.

PSS091617

Part No. 813254  
1.88" x 50 yds., 11 mil wgt.  
"Black" w/orange backing



## DOUBLE-SIDED MOUNTING TAPE

Bonds permanently: plastic, metal, wood, glass, brick, ceramic, stone & more.

- Tough and versatile permanent adhesive.
- Sticks to both smooth and rough surfaces.
- Weatherproof for indoor and outdoor use.
- Crystal clear, won't yellow overtime.

PSS050319

Part No. 813256  
1" x 60" roll (HOLDS UP TO 15 LBS.)

Part No. 813299  
1" x 150" roll (HOLDS UP TO 38 LBS.)



## PERMANENT ALL WEATHER TAPE

Ideal solution for outdoor repairs.

- Waterproof.
- Works in hot or cold temperatures.
- High strength adhesive.
- Long lasting through extreme temperatures.
- Resists drying, cracking & peeling caused by sunlight, heat, cold & moisture.

PSS050119

Part No. 813297  
1.88" x 25 yds.



## TEFLON THREAD SEALING TAPE

Seals permanently, yet easy to disassemble.

Seals & lubricates all pipe fittings, including joints of dissimilar materials. Use on air, steam, oxygen, hydraulic, gas and refrigerant lines.

- Withstands pressures to 10,000 psi.
- Temp. range: -400°F to +600°F
- Not affected by acids & gases.
- Meets MIL-T-27730A.
- Non-flammable, non-toxic, will not dry out.



For Liquid Form Thread Sealant with Teflon, see catalog section C11.

## INDUSTRIAL HI-DENSITY

- Color: Pink.
- Density: 1.20.
- Thickness: .0035-.0037.

| PART NUMBER | WIDTH (INCHES) | LENGTH (INCHES) | QTY |
|-------------|----------------|-----------------|-----|
| 53720       | 1/2            | 520             | 6   |
| 53721       | 3/4            | 520             | 6   |

## STANDARD LOW-DENSITY

- Color: White.
- Density: .700.
- Thickness: .0032-.0034.

| PART NUMBER | WIDTH (INCHES) | LENGTH (INCHES) | QTY |
|-------------|----------------|-----------------|-----|
| 53718       | 1/2            | 520             | 6   |
| 53719       | 3/4            | 520             | 6   |

## 3M POST-IT REMOVABLE LABELING TAPE

- A white, general purpose labeling tape that sticks firmly but removes easily.
- Use for shelf and bin marking, package identification, labeling boxes, or file folders.
- Easy to write or type on and works great for correction & cover up work.



| PART NUMBER | SIZE INCHES/YARDS |
|-------------|-------------------|
| 906951      | 2 x 36            |

\* Important - May lift correctable ink from freshly typed characters. Test before using on questionable surfaces.

## 3M DOUBLE-SIDED ATTACHMENT TAPE

- .030-inch thick.
- For wider lightweight trim and mouldings.
- OEM-approved tape incorporates a strong yet conformable closed-cell acrylic foam with high performance acrylic adhesive on both sides.
- Resists plasticizers and delivers high peel & shear adhesion.



Part No. 906378  
7/8" x 20 yds., 30 mil

## 3M HOOK & LOOP FASTENING SYSTEM

A convenient way of joining two services together.

- Comprised of two non-woven nylon strips, one of hook material & one of loop material.
- Can be cut easily with a scissors to modify the length & width of the strips.
- 12 strips per box.



Part No. 906480  
1" x 12" strips

# CLEANING SUPPLIES/MISC. BRUSHES

## TRUCK WASH BRUSH - POLYPROPYLENE

- 9-1/2" x 2-3/4" foamed plastic block - will not rot or warp.
- 3" trim length.
- 2 handle holes: threaded/tapered).



PART NUMBER DESCRIPTION - INCHES

**812413** Brush only, NO HANDLE

**812414** Brush & 60" threaded wood handle

Flagged safety orange fill  
Made in U.S.A.

## BROWN PALMYRA WHEEL BRUSHES

- Stiff bristles for heavy duty scrubbing.
- All have big 4" x 4" brushing area.

| PART NUMBER   | HANDLE SIZE INCHES |
|---------------|--------------------|
| <b>812233</b> | 8-1/2              |
| <b>812235</b> | 20                 |



## FLO-THRU PARTS BRUSH

Attaches to parts washer nozzle. Solvent flows through brush as you clean. Continuously floods away grime.

- High impact nylon handle.
- 1/2" I.D. clear, flexible solvent proof tubing.
- Fits any parts washer with flexible nozzle.



Part No. 812164

## DETAILERS BRUSH

- Nylon bristles.
- Angled handle.
- 6-3/4" overall length.



Part No. 812158

## DETAILERS BRUSH

- Horsehair bristles.
- Straight handle.
- 6" overall length.



Part No. 812159

## UTILITY/SCRATCH BRUSHES "BRASS"

Ideal for non-marring finishing.

- 1-3/8" x 1/4" brush size.
- 1/2" trim length.
- Straight brass wire .006.
- 7-1/4" overall length.
- Wooden handle.
- 2 per box.



Part No. 213699 2

## TIRE CLEANING BRUSH

- Brass wire - will never rust
- High impact handle & head.
- Lightweight with large 2-3/4" x 2-1/8" brush.



Part No. 812407

## GRILL, SPOKE, MAG WHEEL & BOTTLE BRUSH

- Soft tampico fibers.
- 12" brush length - 17" overall.



Part No. 812227

## SOFT WHITE TAMPICO WHEEL BRUSHES

- Scratch free - soft fiber bristles for lighter work.
- All have big 4" x 4" brushing area.

| PART NUMBER   | HANDLE SIZE INCHES |
|---------------|--------------------|
| <b>812236</b> | 8-1/2              |
| <b>812238</b> | 20                 |



## PARTS CLEANING BRUSH

- Finest parts cleaning brush made.
- Lacquered hardwood handle.
- No. 10 size.
- 1-1/16" thick, 2-1/2" long bristles.
- Tough "Tynex Nylon" bristles are layer cut so you can clean those hidden hard-to-reach areas.

Part No. 812165



## ACID BRUSH

- 100% horsehair filled.
- Tin plated handle.
- 6-1/8" overall length.
- 9/16" x 7/8" brush size.



Part No. 812166

## RADIATOR REPAIR/BRUSH

- 1-1/2" brush length.
- 7" overall length.
- Twisted wire handle.
- Hog bristles.



Part No. 812226

## UTILITY/SCRATCH BRUSHES "STAINLESS STEEL"

Removes rust, scale, paint, solder, etc.

- 1-3/8" x 1/4" brush size.
- 1/2" trim length.
- 7-1/4" overall length.
- Plastic handle.
- 2 per box.

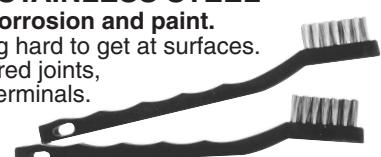


Part No. 213698 2

## UTILITY BRUSHES "BRASS & STAINLESS STEEL"

Removes dirt, corrosion and paint.

- For cleaning & polishing hard to get at surfaces.
- Cleans welded & soldered joints, welding tips & battery terminals.
- Brass brush is used for non-marring finishing.
- Overall length 7".
- 2 brushes, (1) of each type, per box.



Part No. 213690

For Wire Brushes & Wheels, See Catalog Page 117 & 118.

# PAPER/PLASTIC

## SCOTT® TOWELS & RAGS IN A BOX



### SCOTT® SHOP TOWELS

200 towels per box

COLOR: BLUE

Part No. 415125

Convenient carry box for the  
worksites or to leave on your tool box.

### SCOTT® RAGS

200 rags per box

COLOR: WHITE

Part No. 415126



- Out performs cloth rags and other wipes.
- Holds six times its weight in liquids.
- Sheet size 10" x 14".
- Economical, heavy duty, remarkably lint free.
- Handles tough messes like grease and oil.

## ROLL HAND TOWELS

- White roll towels.
- Large 8" x 350 ft. per roll.

(CASE LOTS ONLY)

### HEAVY DUTY

12 ROLLS PER CASE

Part No. 415145

12 ROLLS PER CASE

Part No. 415149



Dispenser available separately, order Part No. 415146.

## C-FOLD TOWELS

- Deep embossing for bulk and absorbency. Big and soft.
- 150 per sleeve / 2400 per case.
- White.

### HEAVY DUTY

10-1/4" x 12-3/4"

Part No. 415128

10-1/4" x 13-1/4"

Part No. 415148



Dispenser available separately, order Part No. 415129.

## MULTI-FOLD TOWELS

- High-quality folded towels are thicker, stronger and more absorbent, so you use less.
- Meets EPA CPG requirements.
- White, 1-ply, 9.4" x 9.2".
- 250 per pack / 16 packs per case.
- Use with dispenser,  
Part No. 415129.

Part No. 415159



## KIM TOWELS "BRAG BOX"

- Super strong, absorbent, brown colored, multi-ply wipers.
- Giant size (16-1/2" x 12-1/2") for general rag replacement.
- Wipes water, oil or almost any solvent.
- Offers the size and bulk of rags, but superior performance.
- 176 wipes per double-sided dispensing carton.
- Made by Kimberly-Clark.



Part No. 415132

## BLUE ROLL TOWELS



- Use on a standard towel holder for convenient dispensing of a fresh, clean towel.
- 11" x 10.4" sheet size.
- 55 sheets per roll.
- 30 rolls per case.

Part No. 415151  
30 rolls per case

## BLUE WIPERS ON A ROLL



- Extra heavy duty, 4 ply nylon reinforced.
- Good for ALL wiping needs.
- 9-3/4" x 275 ft.
- Comparable to the leading competitors at LESS COST!
- Traps dirt and absorbs liquids quickly.

Part No. 415133  
6 rolls per case - (CASE LOTS ONLY)

## TOWEL DISPENSER



- Perfect for our Roll Hand Towels.
- Easy to load.
- Serrated edge for easy tearing.
- 10-1/2" x 10" x 10".

For 8" wide rolls only

Part No. 415146

## C-FOLD TOWEL DISPENSER



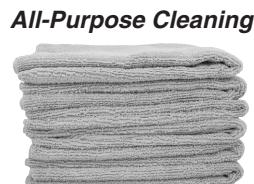
- Color: White.
- 15" x 11" x 4-3/4".
- Includes wall mounting screws & keys.
- Also used for multi-fold towels.

## DISPOSABLE WIPERS



Part No. 415131  
500 sheets per box

## MICROFIBER CLEANING CLOTHS



Part No. 415122  
12 cloths per case

**PAPER/PLASTIC****SELECT FLOW™ DISPENSER**

- X-large, gray plastic dispenser with see-through gray cover is quick & easy to load.
- Use with Part No. 415114, stay dry and free from contamination.
- Dispensing aperture provides one-at-a-time dispensing & helps minimize consumption.

Part No. 415113

Size: 9.8" W x 10" D x 10.5" H

**WINDSOFT® CENTER-FLOW HAND TOWEL**

- Two-ply soft, absorbent towel dispenses one-at-a-time, reducing chance of cross-contamination.
- Provides fast, 30-second maximum absorbency time.
- 8-1/4" dia. roll.

COLOR: WHITE

Part No. 415114

660 feet per roll / 6 rolls per case

Sheet Size: 7-7/8" x 13-1/2"

Dispenser available separately, order Part No. 415113.

**INTEGRA™ LEVER ROLL  
UNIVERSAL TOWEL DISPENSER**

- Compact, economical universal dispenser holds all types of roll towels with any size core, including coreless & solid.
- Easy-to-operate integrated lever makes dispensing and reloading simple.
- Black pearl, break-resistant plastic.

Part No. 415150

Size: 11-1/2" W x 11-1/4" D x 13-1/2" H

For 8" wide rolls only

**KLEENEX® NONPERFORATED ROLL TOWELS**8"  
Wide Roll

- One-ply absorbency pockets & fast-drying ridges.
- Primarily for hand-drying in washrooms when combined with the appropriate dispenser.

COLOR: WHITE

Part No. 415112

600 feet per roll

6 rolls per case

COLOR: WHITE

Part No. 415116

425 feet per roll

12 rolls per case

Dispenser available separately, order Part No. 415150.

**BOUNTY® PERFORATED  
PAPER TOWEL ROLL**

COLOR: WHITE

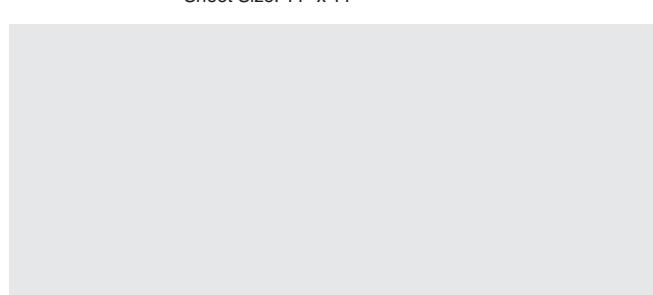
Part No. 415118

56 sheets per roll

30 rolls per case

Sheet Size: 11" x 11"

- Strong, quick-absorbing, two-ply.

**SCRIM WIPERS**

- Four-ply for extra absorbency, plus nylon reinforcement to resist tearing.
- Handles tough cleanup jobs.
- Wipes streak-free on glass and smooth surface also low linting.

COLOR: WHITE

Part No. 415120

150 wipers per box / 6 boxes per case

Sheet Size: 9.8" x 17"

**WYPALL® L30 ECONOMIZER® WIPERS**

- Lighter weight DRC (Double Re-Creped) technology at a great everyday value.
- Cloth-like feel with reinforced grids, for strength on wet surface wiping & cleaning.
- Designed to replace airlaid wipers, which have "pool-prone" pore areas.
- Great for light-duty clean-ups, processing & janitorial wiping tasks.

Dispenser available separately,  
order Part No. 415107 or 415155.**WYPALL® L40 WIPERS**

- All-purpose wiper provides cloth-like softness and excellent liquid absorption.

COLOR: WHITE

Part No. 415117

56 wipers per pack

18 packs per case

Sheet Size: 12.5" x 14.4"

**WYPALL® X60 TERI® WIPERS**

- The absorbing power of Hydroknit® technology in a lighter weight wiper.
- Out-performs rags, they set a higher standard for general purpose wipers.
- No adhesives or binders; leaves nothing behind.
- Reinforced for extra scrubbing/cleaning power.
- Tough enough for big jobs - soft enough for face and hands.

**WYPALL® X60 REINFORCED WIPERS**

- Ideal scrap rag replacement.
- Unique technology combines purity of pulp fibers with reinforced strength to deliver softness plus solvent strength.

COLOR: WHITE  
1,100 wipers per roll / Sheet Size: 12-1/2" x 13-2/5"

Part No. 415123

Dispenser available separately,  
order Part No. 415107 or 415155.**WYPALL® X80 CLOTH TOWELS**

- Feels like cloth & work even better.
- Patented technology allows this thick, strong towel to absorb oil & water faster than rags or shop towels.
- Retains strength through harsh use, even when used with solvents.

COLOR: RED

475 towels per roll / Sheet Size: 12-1/2" x 13-2/5"

Part No. 415124

Dispenser available separately,  
order Part No. 415107 or 415155.

# PAPER/PLASTIC

## BIG GRIP® BUCKET

- Works like cloth, soft on hands & face.
- Ideal for all medium-duty general purpose wiping applications.
- Center-pull dispenser bucket keeps your towels clean and dry until they are needed.
- Blue shop towels help hide grease & grime better than white shop towels allowing for more use.
- **BIG GRIP® Bucket** keeps your towels clean and dry indoors and out.
- **TOOLBOX® Shop Towels** are made with 40% Post-Consumer recycled fibers and 10% Pre-Consumer recycled fibers...meeting the EPA Comprehensive Procurement Guidelines.

**Part No. 415104**

Bucket Size: 10.25" H x 10" W x 8.5" D

Sheet Size: 9.9" X 13.1"

Quantity Per Roll: 200 Sheets



PSS102313

## WHITE KNIT T-SHIRT RAGS (RECLAIMED)



"Punch-Out" allows for easy dispensing of rags

**Part No. 415102**  
25 Lbs.



- 25 lb. box contain s white knit material from t-shirts, polo shirts or similar knit apparel.
- Rags are cut to wiper size with zippers and buttons removed.
- Often preferred for wiping applications that include water, grease, oil or paint.
- Economical solution for general industrial, machine shop and auto applications.
- All purpose soft and durable wiping cloth will absorb both water and oil based fluids.

## BIG GRIP® REFILL

- 93% less cardboard than a center-pull cardboard box.
- Soft on hands and face, absorbent & won't fall apart- even when wet.
- Ideal for all medium-duty general purpose wiping applications.
- Blue shop towels help hide grease & grime better than white shop towels allowing for more use before being discarded.
- Provide opportunities to earn credits in several LEED-EB (Existing Buildings) Operation & Maintenance categories.
- Water resistant packaging, peel & reseal top and cardboard dispensing disk.



**Part No. 415106**

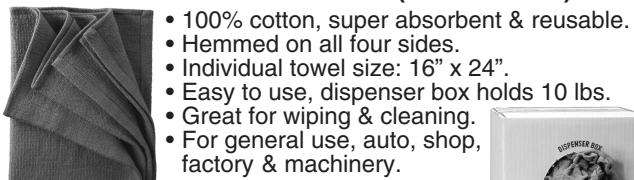
Sheet Size: 9.9" x 13.1"

Quantity Per Roll: 200 Sheets



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## BLUE HUCK TOWELS (RECLAIMED)



**Part No. 415111**  
10 Lbs.

"Punch-Out" allows for easy dispensing of rags



## TOILET TISSUE

- 2 ply.
- Soft and absorbent.
- 500 sheets per roll.



**Part No. 415127**  
96 rolls per case

## WYPALL® JUMBO ROLL WIPER DISPENSER II

Holds a jumbo roll equal to 100 lbs. of rags.

- Portable, high-capacity dispenser is compact enough for use in most any location.
- Black metal.
- 16-1/4" W x 18-1/2" D x 33" H.

**Part No. 415107**

Use with Part No.'s 415110, 415123 or 415124.



## WYPALL® JUMBO ROLL WALL MOUNT DISPENSER

Convenient easy-to-use dispenser.

- Keeps towels handy & walkways clear.
- Black metal.
- Mounting hardware included.
- Accommodates up to 12" W, 24" dia, 3" core rolls.
- 16-3/4" W x 8-3/4" H x 10-3/4" D.

Use with Part No.'s 415110, 415123 or 415124.



**Part No. 415155**

## URINAL SCREENS

- Commercial grade Marvalosa scent.
- Controls odors.
- Deodorizing lavender fragrance.
- Last 30 - 45 days.
- Prevents drain from clogging.
- Flexible shape will fit any urinal & contour.

Lasts  
30 to 45  
Days!

**Part No. 44496**  
10 per case



## URINAL BLOCKS

- Eliminates odors at their source instantly.
- 3 oz. blocks deodorize up to 30 days.
- 100% organic ingredients.
- Effective & economical.
- USDA accepted - pleasant cherry fragrance.



**Part No. 415144**  
12 units per bag

**PAPER/PLASTIC****CORELESS JRT TWIN JUMBO ROLL TISSUE DISPENSER**

Part No. 415166

- Holds (2) 9-3/8" x 3-4/5" jumbo rolls.
- The sliding door prevents using one roll until other is depleted.
- Comes in smoke/grey color made of durable plastic casing resists damage.
- Also has Anti-microbial material that protects against common stain and odor causing bacteria.
- 20" x 6" x 11".



Part No. 415165 - Use dispenser Part No. 415166

**IN-SIGHT LEV-R-MATIC TOWEL DISPENSER**

Part No. 415168

- Smoke/gray automatic feed lets you load with one hand.
- Eliminates waste by dispensing one 8-in. dia. roll (up to 1000 ft.) and one 3.5-in. dia. stub roll (approx. 150-ft.).
- Easy lever operation.
- High-impact plastic with metal key-operated lock.
- 10-3/4" x 9-3/5" x 13-3/4".

**BROWN KRAFT NON-PERFORATED ONE-PLY HARDWOUND ROLL TOWELS**

Part No. 415153 - 350 feet per roll / 12 rolls per case

Part No. 415154 - 800 feet per roll / 6 rolls per case

**BROWN KRAFT HARD ROLL TOWELS**

Part No. 415167

- Natural, 8" x 800'.
- One-ply construction.
- Soft, premium towels.
- Includes 12 rolls of paper towels.
- Use dispenser, Part No. 415168



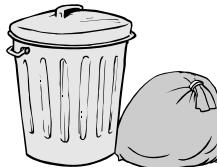
For bench/bucket seats

- Strong 2 ply polyethylene protects automobile interior & exterior surfaces against hazardous substances.
- Protection from paint, grease & most chemicals found in body shops and service bays, ensures customer satisfaction.
- Use once & throw away.

Part No. 812100 Size: 33" x 56" / 125 per case

**HIGH-DENSITY CAN LINERS**

High molecular weight high density liners. Super strong star seal bottom. Holds even the heaviest trash.



**20-30 GALLON**  
10 micron  
.4 mil thickness  
Clear - medium  
Size: 30" x 37"  
Part No. 415138  
500 per case

**50-60 GALLON**  
17 micron  
.7 mil thickness  
Clear - X-heavy  
Size: 38" x 60"  
Part No. 415139  
200 per case

**LOW-DENSITY CAN LINERS**

- 24" x 23", 8-10 gallon capacity bags are made of .35 mil construction.
- Black.



Part No. 415200 - 500 per case

**L-GRADE CAN LINERS**

- 24" x 32", 12-16 gallon capacity bags are made of 35 mil construction.
- Black.

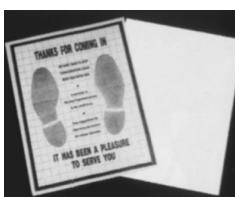


Part No. 415201 - 500 per case

**KWIKEE™ SHOP BAGS**

- Enormous 36" x 58" (91.4 cm x 147.3 cm), 55-gallon capacity bags are made of rugged 2-ply construction.
- Big enough and tough enough to handle all your disposal needs.
- Usage tip: for easier removal of full shop bags, punch a few small holes in the bottom of the can or holder.

Part No. 415130 - 27 bags per box

**PAPER FLOOR-MATE® PLASTIC COATED**

- The best of both worlds highly absorbent paper and won't soak through.
- 17" x 22" individual mats.
- 500 per case.

Part No. 214022

**SEAT-MATE® SEAT PROTECTION**

Part No. 214019

- Made of Olefin Tufflene®.
- Scientifically formulated to provide maximum protection & strength.
- Clear - 1-1/2 mil. thick.
- 200 per roll.
- Size each:  
32" x 54".

# PAPER/PLASTIC & AUTOMOTIVE APPEARANCE PRODUCTS

## COLLISION WRAP FILM-SELF-ADHERING

Used by collision repair body shops, garages, salvage yards, insurance storage lots, towing services, junk yards and repair facilities.



4ml thick

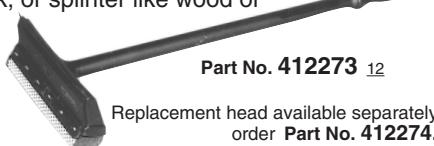
| PART NUMBER | SIZE | WIDTH X LENGTH |
|-------------|------|----------------|
| 214021      | 18"  | x 100'         |
| 214023      | 36"  | x 100'         |

- Adheres to clean dry surfaces - metal, glass and plastic.
- Leaves no adhesive transfer on paint surfaces, rubber, aluminum, plastic trim and moulding.

## 20" SQUEEGEE

High quality keeps scrubbing & working while others wear out.

- Unique Flobond™ process creates tough nylon mesh that will not tear or loosen.
- 8" head made w/exclusive Flobond™ process for long life.
- 20" handle is solid high impact plastic, and will not warp, bend, break, or splinter like wood or hollow plastic handles.
- Quality-made in U.S.A.



Part No. 412273 <sup>12</sup>

Replacement head available separately  
order Part No. 412274.

## TACK CLOTH - (SUPER TACKY)

Traps all dirt, dust & lint.

- Super soft - will not harden.
- Static free.
- Individually sealed packs for guaranteed freshness.
- Leaves no residue.
- Super tacky.
- Will not dry out.
- Contains no waxes or silicones.
- Tan color.
- Size: 16" x 20", folded to 4-1/2" x 4-1/2".



Part No. 717375 (48)

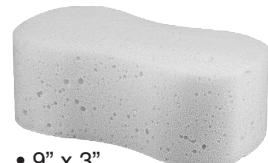
## CHAMOIS



- 4-1/2" sq. ft.
- Genuine leather.
- 100% cod oil tanned.
- Dries streak free & spotless.
- Clear coat safe.

Part No. 812773

## BONE STYLE SPONGE

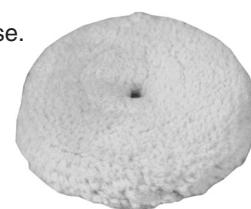


- 9" x 3"
- Giant sponge.
- Extra large and easy to grip.
- Shaped like an eight for easy use.
- Yellow.

Part No.  
812774

## PROFESSIONAL WASH MITT

| PART NUMBER | PILE SIZE INCHES | QTY |
|-------------|------------------|-----|
| 213100      | 1                | 6   |



Part No. 213108

## DURA SPONGES

Made from identical material as the Mr. Clean Magic Eraser.

### SANDWICH

Part No. 415156-6  
(6 per pkg.)



- Made of both melamine and polyurethane for unparalleled cleaning.

### SCRUBBY

Part No. 415157-6  
(6 per pkg.)



- Made with a melamine side and an abrasive coarse side for tough cleaning.

### EXTRA POWER COMPRESSED

Part No. 415158-6  
(6 per pkg.)



- Extra strength compressed melamine eraser sponge is made of BASF foam.

PSS110415

## STEERING WHEEL COVERS

- Cover the #1 touchpoint of all vehicles.
- Protect your customer's steering wheel from dirt, grease, grime and germs.
- Fits standard size wheels, 18-1/2" x 18-1/4".
- 1mil thick recyclable plastic.
- Quality-made in U.S.A.

Part No. 214025  
500 per roll



## 24" - 41" TELESCOPING SQUEEGEE

High quality keeps scrubbing & working while others wear out.

- Adjusts to any length between 24" & 41". A twist of the wrist locks squeegee in place.
- Will not bend or twist loose.
- Same quality features as 24" squeegee.
- Perfect for cars, buses, RV's and trucks.



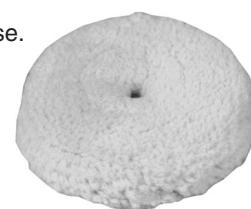
Part No. 412272

## 7-1/2" ROUND COMPOUNDING PAD

- 100% 4 ply, virgin wool yarn pile - 1-1/4" height.
- Round edge prevents burning of painted surfaces.
- Recessed arbor hole fits contours of standard plates.
- Installation is easy, fast & secure.
- Can be cleaned or washed for reuse.

OUR OWN BRAND

| PART NUMBER | PILE SIZE INCHES | QTY |
|-------------|------------------|-----|
| 213100      | 1                | 6   |



## PROFESSIONAL WASH MITT

- Heavy duty and long wearing.
- Highly absorbent, non-scratching.
- Double faced, 8" x 11" with cuff.
- 2 per bag.



Part No. 213108

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**SHOP USE ITEMS****INDUSTRIAL MARKERS**

For identification and color-coding in maintenance & industrial settings.

- Fast drying, weather-resistant marks.
- Lead-free paint formulated for industrial applications.
- Use on any oily, greasy or rusty metal surface, PVC pipe, sheet metal, glass, wood, rubber, plastic, cardboard, lumber, paper or styrofoam.
- Replaceable bullet tips available. When the old tip is worn out, just replace it with a new one, for full use of marker.
- Marking range: -50° to 150°F.

**DO NOT USE ON VINYL**



| PART NUMBER | COLOR              | QTY |
|-------------|--------------------|-----|
| 211140      | Red                | 3   |
| 211141      | Black              | 3   |
| 211142      | White              | 3   |
| 211143      | Yellow             | 3   |
| 211146      | Blue               | 3   |
| 211150      | Fluorescent Yellow | 3   |
| 211151      | Fluorescent Green  | 3   |
| 211152      | Fluorescent Pink   | 3   |
| 211153      | Fluorescent Orange | 3   |



**Part No. 211144**  
Six Replacement Tips

**Part No. 211145**  
Assortment contains: (3 of each color)  
Red/Black/White/Yellow

**STEEL MECHANIC'S WIRE**

Multi-purpose use. For hanging, supporting, tying back or holding objects in place.



- Soft, black, annealed steel - wraps & ties easily.
- One continuous length.

| PART NUMBER | PART NUMBER | GAUGE | TYPE    |
|-------------|-------------|-------|---------|
| 5 LB.       | 2 LB.       |       |         |
| 11713       | 11717       | 18    | Medium  |
| 11714       | 11718       | 16    | Heavy   |
| 11715       | ---         | 14    | X-Heavy |

**PERFORATED HANGER STRAPPING**

All purpose hanger for pipes and conduit.



- Galvanized, carbon steel - flexible & corrosion resistant with 1/4" dia. holes, 3/4" on center for easy fastening.

| PART NUMBER | GAUGE | WIDTH INCHES | LENGTH FEET | PACKAGE            |
|-------------|-------|--------------|-------------|--------------------|
| 11721       | 20    | 3/4          | 20          | (2) ten foot rolls |
| 11722       | 20    | 3/4          | 50          | dispenser pack     |

**PAINT STIKS**

For layout, inspection or fabrication. Marks metal, wood, concrete, rubber, glass, cardboard and paper.

- Real paint in stick form, dries overnight.
- Marks any surface, any material, any texture - even oily, rusty, wet or icy cold surfaces.
- Weather and fade resistant.
- Marking range: -50°F to 150°F.



| PART NUMBER | COLOR  | QTY |
|-------------|--------|-----|
| 211119      | White  | 2   |
| 211120      | Yellow | 2   |

**KING SIZE FELT TIP MARKERS**

For identification of equipment, cartons and signs. Use on cardboard, wood, metal, paper, ceramics, glass & leather.

- Broad tip creates bold marks.
- Extra large ink supply for greater mileage & longer life.
- Fast drying, smear & water resistant.
- Tough cap and barrel for heavy-duty use.



SMP032112

| PART NUMBER | COLOR |
|-------------|-------|
| 211118      | Black |

**DURA-INK 15****FELT FINE BULLET TIP MARKERS**

**Part No. 211156**  
(sold 6)

SMP032112

- Fast drying.
- Smear & water resistant.
- Great for identifying parts, cartons, crates, etc.

- Use on cardboard, wood, metal, plastic, pvc, paper, ceramics, cloth & glass.
- Color: Black

**U-MARK M15 PERMANENT MARKER**

**Part No. 211161**  
PSS050418

- Huge, 1" diameter, all aluminum marker body with a large supply of exceptionally fast drying, permanent ink.

- Easy to remove, anti-roll cap fits in back of marker.
- Extra-large chisel tip for highly visible marks in three sizes, up to 15mm.
- Color: Black

**TRADES-MARKER®**

SMP032112



**Part No. 211154**  
(sold each)

- Retractable grease pencil with pocket clip.
- Needs no sharpening.
- Push button to advance.

- Marks plastic, glass, wood, paper, cardboard & metal.
- Won't rub off.
- Color: Red

**SILVER-STREAK® & RED-RITER® WELDERS PENCILS**

SMP032112



**(Silver) Part No. 211155**  
(sold 12/bx.)

- Economical high strength, high visibility pencils.
- Ideal for marking metal.
- Works well even on oily, rusty or wet surfaces.

**(Red) Part No. 211157**  
(sold 12/bx.)

- Resistant to torch flames.
- Will not rub or burn off like soapstone.
- Uses any standard pencil sharpener.

**MATS**

The ultimate shock absorber for extreme standing or kneeling.

- 1" thick closed cell foam rubber.
- Will not compress set.
- Will not absorb liquids.

- Silicone Free.
- Reduces fatigue, knee trauma, and lower back stress.



**Part No. 812781**

Size: 14" x 21"

Built in handle for carrying or storing.

PSS073115

# SHOP USE ITEMS

## WINDOW PAINT MARKERS

Permanent marking on canvas, posters, wood, plastic signs or banners, stone, rubber and porous surfaces.

Ideal For: auto dealers, auctions, metal work, retail, restaurants, shops & hobbyist.



PSS110218

- Extra broad tip.
- Marks on glass, metal, plastics, ceramics & canvas.
- Removable from glass & unpainted metals.
- Removes from glass using an ammonia based cleaner such as Windex® or 409®.
- Made in USA.
- For indoor and outdoor use.

Part No. 211162

### 6-PACK COLOR ASSORTMENT

Contains 1 each: Black, Blue, Green, Red, White & Yellow

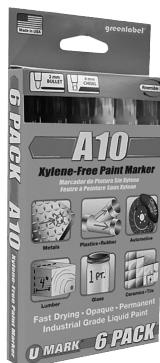
## XYLENE-FREE PAINT MARKERS

Press-tip valve regulates paint flow and extends marking mileage.

- Highly visible & permanent on surfaces such as metal, plastics, wood, glass, ceramics, corrugated cardboard, textiles, etc.
- Handy for tradesmen and inspectors (maintenance, automotive, plumbing, HVAC, construction, surveyors, etc.
- Made in USA.



Part No. 211158



PSS053117

### 6-PACK COLOR ASSORTMENT

Contains 1 each: Black, Blue, Red, White, Yellow & Orange

## MAGNETIC ORGANIZER

Front View 1-1/4" Width



10-1/4" Length

- Use for mounting tools or wand over work area to pick up small parts.
- Strong magnet-holds items securely in place.
- Non-marring bottom prevents scratches.
- Holds sockets, wrenches, ratchet & other hand tools.
- Designed for any drive or size socket.

Part No. 113685

PSS020121

## ULTRAVIOLET BLACK LIGHT MARKERS

Discreet marking of property, equipment & parts for warranty, identification & security.



PSS110118

- Allows for visible marking of parts for theft protection, quality control & security.
- Marks are visible only under ultraviolet black light.
- Marks on metal, plastic, glass & other non-porous surfaces.
- Made in USA.

Part No. 211171

Color: Blue

## TAPERED END STICK TOOL

A very popular tool with virtually limitless uses.



PSS122918

- High strength flexible plastic.
- Won't scratch metal or glass.
- Use for scraping, prying or mixing.
- Tapered end slips into tight crevices.
- Use to remove wheel weights, apply sealants, caulking or glazes.
- Use to set glass or remove rubber gaskets.
- Compact size fits most small spaces.

Part No. 113284 2

## WATERPROOF PATCH & SEAL TAPE

Instantly seals out water, air and moisture.



PSS0502119

Part No. 813298

4" x 10' Roll

## EXPANDABLE MAGNETIC TRAY

PSS020121

- Four compartments keep parts separated & organized.
- Embedded magnets help hold loose parts, hardware & fasteners.
- Flexible expandable design.
- Approx: 9" L x 9" W x 2" H.
- Expands: 0.75 to 2" H.



Part No. 113684

**SHOP USE ITEMS****LICENSE PLATE HOLDER (TAG BAG) WITH HANGING STRAP**

**Super heavyweight holders display license plates (tag bag) during test drives and can be used to store equipment manuals throughout a facility.**

**Used by:** new & used car dealerships and auto rental agencies.

- 13" W x 7" H clear front opening.
- Black backed pouch.
- Quick visual identification.
- Easily displays objects, manuals or certificates.
- Heavy duty cloth binding and stitching for long lasting usage.
- Strong full width velcro enclosure.
- Felt interior padding to easily place & remove items.



Part No. 915360-5  
Black

**HIGH QUALITY PRODUCT, EXCELLENT WORKMANSHIP**

**SHOP TICKET HOLDER**

**Use to store:** instructions, notifications, deadlines, purchases orders, work orders & production schedules.

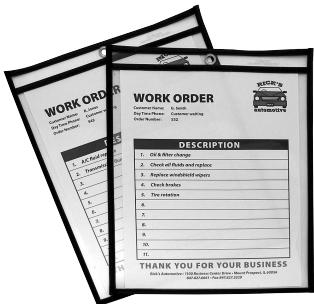
**Use in areas:** shops, production, receiving, employee, storage, lunchroom & inventory control areas.

- Allows for 9" x 12" display.
- Clear heavyweight plastic on both sides.
- Tapered & stitched vinyl edges.
- Convenient metal center eyelet for hanging.
- Color: Black edges.

PSS100818

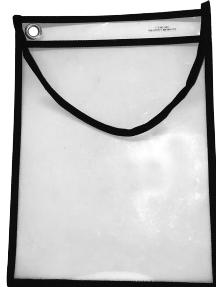


Part No. 915363-5  
Black

**SHOP JOB TICKET HOLDER WITH HANGING STRAP**

**Store, protect & organize instructions, production schedules, inventory cards, work orders & more.**

- Black heavy duty cloth binding & stitching.
- Clear heavyweight plastic on both sides.
- Easily displays 9" x 12" items.
- Oversized metal corner grommet for additional hanging.
- Long lasting usage.



PSS100618



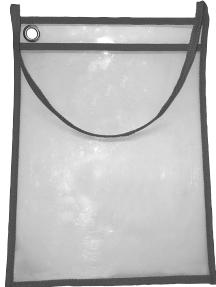
Part No. 915361-5  
Black

**HIGH QUALITY PRODUCT, EXCELLENT WORKMANSHIP**

**SHOP JOB TICKET HOLDER WITH HANGING STRAP**

**Store, protect & organize instructions, production schedules, inventory cards, work orders & more.**

- Bright red heavy duty cloth binding & stitching.
- Easily visible even from a distance.
- Clear heavyweight plastic on both sides.
- Easily displays 9" x 12" items.
- Oversized metal corner grommet for additional hanging.
- Long lasting usage.



PSS100718



Part No. 915362-5  
Bright Red

**HIGH QUALITY PRODUCT, EXCELLENT WORKMANSHIP**

# PROTECTIVE CLOTHING

## DISPOSABLE COVERALLS

- Polypropylene material with polyethylene coating, equivalent to "Tyvek®".
- Heavy duty 1.5 ounces.
- Durable and can be reused.
- Resists, water, oil, paint, dust & light chemicals.
- 1 pc. with zipper front, elastic wrist & ankles.

| PART NUMBER | SIZE            | QTY |
|-------------|-----------------|-----|
| 312157      | Large (44-46)   | 3   |
| 312158      | X-Large (48-50) | 3   |



## RAINWEAR

### PVC economy safety yellow rain suit.

- Lightweight, hooded jacket.
- Tough water-tight seams.
- Adjustable elastic suspenders.
- 35 mil Polyvinylchloride.

| PART NUMBER | SIZE      |
|-------------|-----------|
| 312154      | X-Large   |
| 312156      | XX-Large  |
| 312159      | XXX-Large |



## WEIDERCARE BACK SUPPORT SYSTEMS

### Maximum support for abdominal & lower back muscles.

- BacBelt's tapered front panel has velcro closure - gives exact support.
- Lightweight and durable design.
- Superior quality.

| PART NUMBER | SIZE    | WAIST SIZE (INCHES) |
|-------------|---------|---------------------|
| 812584      | Small   | 26 - 30             |
| 812585      | Medium  | 30 - 34             |
| 812586      | Large   | 34 - 38             |
| 812587      | X-Large | 38 - 42             |



## DENIM BIB APRON

- Heavy-weight denim rib apron with pocket at waist.
- Neck loop and waist straps.
- Length: 38".
- Denim weight: 10 - 12 oz.



Part No. 213114

## PVC NON-SLIP GLOVES

- Superior non-slip second coating grips slippery surfaces.
- Interlocked flexible knit liner.
- Fully coated with PVC.
- High resistance to wear, abrasion, acids, solvents and other chemicals.
- 12" overall length.
- Men's size.



Part No. 312116

## CHEMICAL RESISTANT NITRILE GLOVES

- Soft cotton lining for added comfort.
- Superior resistance to cuts, abrasions & punctures.
- 13" overall length.
- 18 mil thick.



Soft Green Color

| PART NUMBER | SIZE         |
|-------------|--------------|
| 312121      | Large (9)    |
| 312122      | X-Large (10) |

## KEVLAR ARM PROTECTORS

- Protect against exhaust pipe burns and sheet metal cuts.
- Heat resistant knit Kevlar fabric.
- Protects up to 600°F for short durations, 450°F for long durations.
- Snug fit - will not slip down while working.
- Machine washable & dry cleanable.

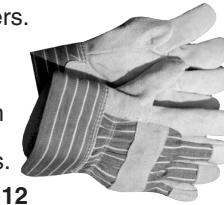


| PART NUMBER | LENGTH (INCHES) |
|-------------|-----------------|
| 312117      | 15              |
| 312138      | 24              |

## HEAVY DUTY WORK GLOVES

- Full leather palm, knuckles and fingers.
- Safety side split cuff, wing thumb.
- Palm lined for softness.
- Canvas back with elastic wrist strap.
- Gunn pattern, with seams away from wear surface.
- Fits all average and large size hands.

Part No. 312112



## HEAVY CANVAS WORK GLOVES

- Ideal for lubricating, greasy equipment clean up, painting and polishing.
- Tough leather palm & thumb.
- Inside palm lined for softness.
- Clute pattern.
- Men's size.
- Knit wrist.

Part No. 312111



## JERSEY WORK GLOVES

- Ideal for warehouse, factory, painting, polishing and clean up.
- Lightweight and economical.
- 9 oz. brown jersey.
- Knit wrist.
- Clute pattern.
- Men's size.

Part No. 312115

Part No. 312173 - with Lining



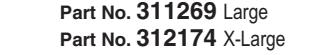
## RANCH HAND™ GLOVES

- Premium split cowhide leather.
- Keystone thumb for better comfort and durability with a reinforced palm.
- 3-ply thermal liner for comfort and protection from cold temperatures.
- 10" length with slip-on cuffs.
- Shirred elastic back.

Part No. 311269 Large

Part No. 312174 X-Large

PSS010120



## LEATHER DRIVING GLOVES

- Top grain tan cowhide.
- Continuous easy action thumb.
- Elastic wrist back strip.
- Gunn pattern, with seams away from wear surface.
- Unlined.

PSS100120

| PART NUMBER | SIZE     |
|-------------|----------|
| 312114      | Large    |
| 312004      | X-Large  |
| 312005      | XX-Large |



## FLEX TUFF GLOVES

- Blue texture rubber palm coated for wet or dry grip.
- Poly/cotton knit blend.

| PART NUMBER | SIZE    |
|-------------|---------|
| 312177      | Large   |
| 312179      | X-Large |



## PROTECTIVE CLOTHING

## KEVLAR GLOVES

- Perfect for working near hot exhaust or engines.
- Made of the same material as our Kevlar arm protectors.
- Entire palm side studded for sure grip.
- One size fits all.

Part No. 312120



## DOTTED STRING KNIT GLOVES

- Poly/cotton blend string knit gloves.
- Plastic PVC dots on **Both Sides** provide extra grip & durability.
- Knit wrist style.

| PART NUMBER | SIZE    |
|-------------|---------|
| 312175      | Large   |
| 312176      | X-Large |



## POLAR INSULATED LEATHER PALM GLOVES

- Thinsulate® lining & knit wrist keeps hand warm and protected from cold. Use to protect from sparks, abrasions and heat.
- High quality tough leather palm exterior. Knuckle strap & full leather thumb and index finger. Double stitched along the index finger, wrist & cuff provide excellent durability.
- Fully lined gloves provide superior insulation & comfort.
- One size fits most.



Part No. 312145

## CUT RESISTANT GLOVES (BLACK MAMBA)

Reduces the risk of injury and related expenses.

- Made from Ultra High Molecular Fibers.
- High tensile strength relative to weight & up to 15x's stronger than steel.
- Polyurethane coating for superior grip & protection.
- Allows your hands to breathe.
- Light, comfortable with a tight knit wrist.



Use for glass, sheet metal &amp; other sharp objects.



PSS041814

| PART NUMBER | SIZE    |
|-------------|---------|
| 312137      | Large   |
| 312187      | X-Large |

## INSULATOR™ GLOVES

Used by utility companies, meat and poultry processing plants, commercial fishing, dairies, refrigerated warehouses or any cold environment.

- Made from Dupont's 100% Thermax fibers.
- Thermax wicks moisture away from skin leaving a warm, dry layer of air trapped next to the skin.
- Offers warmth without weight.
- Machine washable/dryable.
- Same heat resistance as wool.
- Color: white.
- Fits both men and women.
- One size fits all.
- Reversible.
- Use alone or as a liner.



Part No. 312124

## GLOVE DISPENSER RACK



Part No. 415169

- Metal back plate for wall mounting (mounting screws and anchors included).
- Holds boxes of disposable gloves.
- Wire dispenser - industrial duty & PVC coated.



- Keeps gloves within easy reach.
- Fits dispenser boxes 10-1/4" L x 3-1/2" W or slimmer profiles.

PSS082316

## INDUSTRIAL ORANGE NITRILE GLOVES

Gloveworks® Powder Free, Textured Nitrile Gloves

- Superior comfort, strength & tactile sensitivity.
- Excellent grip wet or dry.
- Design on both sides of the gloves, fingers and palms.
- 8 to 9 mil thick.



PSS110812

| PART NUMBER | SIZE     |
|-------------|----------|
| 415171      | Medium   |
| 415172      | Large    |
| 415173      | X-Large  |
| 415174      | XX-Large |

100 gloves per box.

Dispenser box size:  
9-1/2" L x 5-1/4" W x 4-1/4" D

## INDUSTRIAL GREEN NITRILE GLOVES

Gloveworks® Powder Free, Textured Nitrile Gloves

- Popular with first responders.
- Superior comfort, strength & tactile sensitivity.
- Excellent grip wet or dry.
- Diamond textured on both sides of the gloves, fingers and palms.
- 8 mil thick.
- Powder & latex free.



PSS061517

| PART NUMBER | SIZE     |
|-------------|----------|
| 415175      | Medium   |
| 415176      | Large    |
| 415177      | X-Large  |
| 415178      | XX-Large |

100 gloves per box.

Dispenser box size:  
9-1/2" L x 5-1/4" W x 4-1/4" D

## IND. GRADE BLACK NITRILE GLOVES

GlovePlus® Powder Free, Textured Nitrile Gloves

- 20% thicker than our standard blue nitrile.
- For auto., janitorial, plumbing, ind. applications, also approved for food handling & prep work.
- Textured & powder free so they won't interfere with fresh paint finishes or tacky adhesives.
- "GET IN THE BLACK" & out of the ordinary nitrile gloves.



PSS110812

| PART NUMBER | SIZE     |
|-------------|----------|
| 415179      | Medium   |
| 415180      | Large    |
| 415181      | X-Large  |
| 415182      | XX-Large |

100 gloves per box.

Dispenser box size:  
8-5/8" L x 2-3/4" W x 2-3/4" D

# PROTECTIVE CLOTHING

## INDUSTRIAL GRADE BLUE NITRILE GLOVES

Gloveworks® Powdered, Textured Nitrile Gloves

- 3X's the puncture resistance of comparable latex or vinyl gloves & are free of latex proteins.
- Polymer coating provides easier donning & superior comfort.
- Textured to provide an excellent non-slip grip.

| PART NUMBER | SIZE    |
|-------------|---------|
| 415225      | Medium  |
| 415226      | Large   |
| 415227      | X-Large |

100 gloves per box.



PSS110812

Dispenser box size:  
8-5/8" L x 4-7/8" W x 2-5/8" D



## INDUSTRIAL BLACK NITRILE GLOVES

Gloveworks® Powder Free, Raised Diamond Textured

- Superior durability.
- 6 mil thick.
- Aggressive grip in wet, dry or oily conditions.
- Superb tensile strength.
- Outperforms Raven.

| PART NUMBER | SIZE     |
|-------------|----------|
| 415314      | Medium   |
| 415315      | Large    |
| 415316      | X-Large  |
| 415317      | XX-Large |

100 gloves per box



PSS082416

Dispenser box size:  
9-3/8" L x 5" W x 3-1/2" D



## INDUSTRIAL BLUE NITRILE GLOVES

Gloveworks® Powder Free, Textured Nitrile Gloves

- Latex and powder free, with superior comfort, strength & unsurpassed tactile sensitivity.
- Polymer coating assures easy donning.



PSS110812

Dispenser box size:  
8-5/8" L x 4-7/8" W x 2-3/4" D



100 gloves per box.

## EXAM GRADE BLUE NITRILE GLOVES

+AMMEX® Powder Free, Textured Nitrile Gloves

- Preferred choice for latex sensitive individuals, they provide superior comfort & strength with unsurpassed tactile sensitivity.
- Powder and latex free, chlorinated, with a micro-roughened grip.
- 3X's the puncture resistance of comparable latex or vinyl gloves.
- A high performance, exam grade.



PSS110812

Dispenser box size:  
9-3/8" L x 4-5/8" W x 2-7/8" D



100 gloves per box.

## HEAVY DUTY LATEX GLOVES

Gloeworks HD® Powder Free, Textured Latex Gloves

- At 8 mils, they are twice as strong as standard disposable gloves, yet provide the dexterity you've come to expect in a latex glove.



PSS110812

Dispenser box size:  
9-3/8" L x 4-7/8" W x 3-7/8" D



100 gloves per box.

## HEAVY DUTY X-LONG LATEX GLOVES

GlovePlus HD® Powder Free, Textured Latex Gloves

- X-strong & x-long (12") exam grade gloves provide added protection for the wristband lower forearm.
- Maintains excellent sensitivity while being over twice as thick as standard latex gloves.



PSS110812

Dispenser box size:  
10-1/8" L x 5-3/8" W x 3-1/2" D

Dispenser box size:  
10-1/8" L x 5-3/8" W x 3-1/2" D



50 gloves per box.

## EXAM GRADE LATEX GLOVES

GlovePlus® Powder Free, Textured Latex Gloves

- Micro-roughened surface assures an excellent wet or dry grip.
- Reduced protein levels are due to extended leaching process.
- Chlorinated with no residual powder.



PSS110812

Dispenser box size:  
9-3/8" L x 4-5/8" W x 2-1/2" D



100 gloves per box.

## INDUSTRIAL VINYL GLOVES

GlovePlus® Powder Free, Smooth Vinyl

- Vinyl powder free gloves contain no latex proteins.
- Made from clear vinyl (PVC).
- Non-medical use only.



PSS110812

Dispenser box size:  
8-5/8" L x 4-3/4" W x 2-3/8" D



100 gloves per box.

**SAFETY CLOTHING****DISPOSABLE FACE MASKS**

- 3-layer protection with built-in earloops.
- Surgical masks are ideal for preventing the flu or other diseases from spreading.
- Protect yourself and others with these safe and comfortable masks.

**Part No. 415183**  
50 per box

**WASHABLE CLOTH FACE MASKS**

- Soft, breathable, single-ply 95/5 cotton/spandex blend (similar to a stretchy t-shirt).
- Produced with minimal human touch.
- Contoured shape and two sets of ear holes to fit most children and adults.



**Part No. 415184**  
10 per pack

**LENS CLEANING WIPES**

- Pre-moistened individually wrapped towelettes, 100 per box.
- Use to clean safety glasses, safety goggles, face shields, computer screens, plastic, glass or polycarbonates.
- Anti-static, anti-fog formula (contains no silicone).

**Part No. 312192**

**ALCOHOL DISINFECTING WIPES**

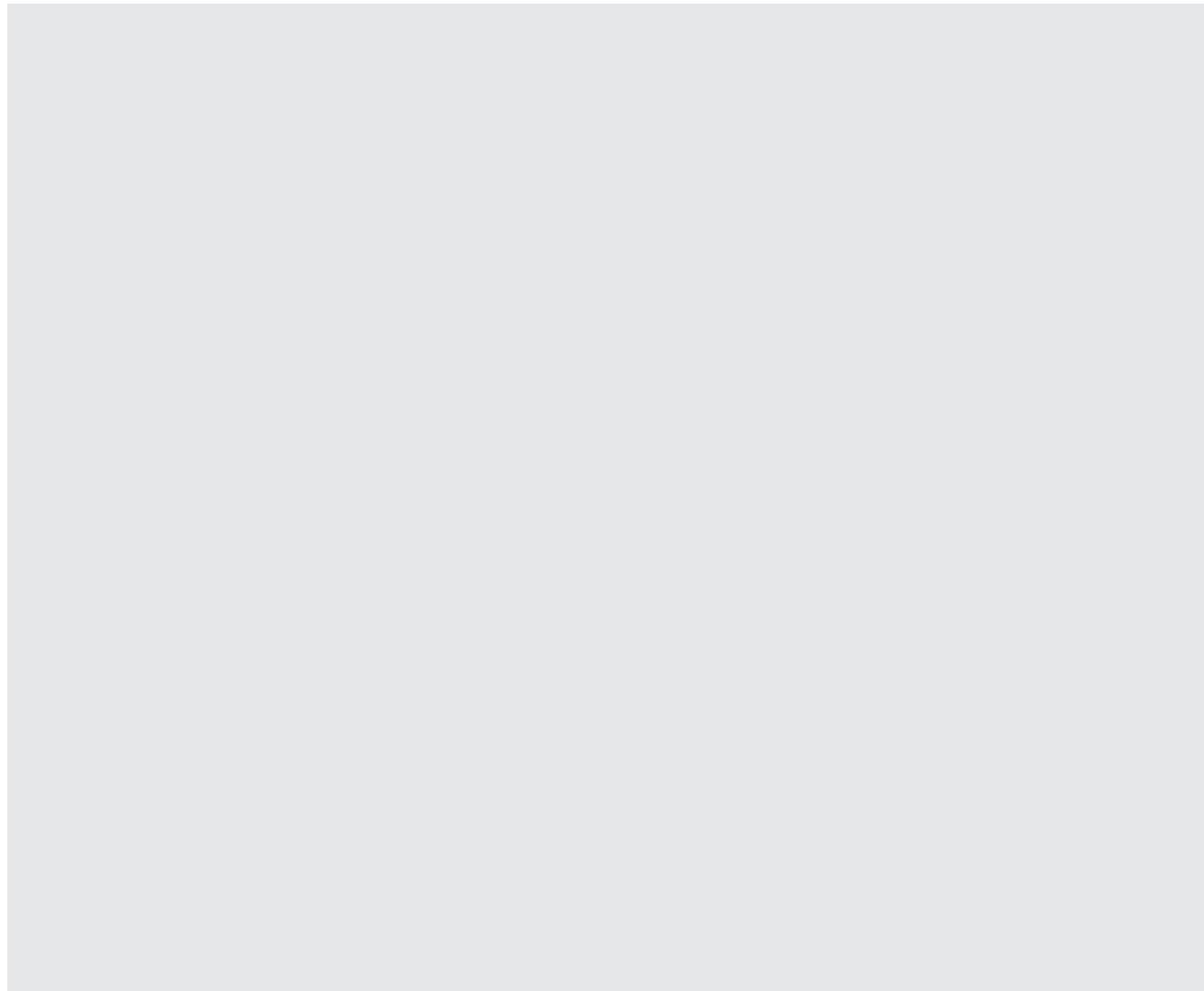
- 75% alcohol content.
- Use to clean, disinfect and deodorize hard surfaces.
- Wipe size: 5.5" x 7.1".

**Part No. 415186\***  
50 per pack



\*All sales are final non-returnable.

PSS080420



**SAFETY CLOTHING****HARD HAT**

Meets ANSI Z89.1 - 1997, Type 1 specs. for class C, E & G applications.

- Ultimate in comfort and protection.
  - Strong, lightweight, fully dielectric, high quality construction.
  - Durable co-polymer construction.
  - Goggle keeper.
  - Capillary vinyl sweatband 10 times more absorbent than rubber.
  - Adjustable head size.
  - Slotted design for attaching adapters.
- 
- | PART NUMBER   | COLOR |
|---------------|-------|
| <b>812550</b> | White |
- One size fits all.

**3M PARTICULATE RESPIRATOR WITH COOL FLOW N95**

Part No. **908511**  
10 per box  
PSS010821.908511

- DOES NOT PROVIDE COVID-19 PROTECTION**
- NIOSH approved N95 rating.
  - Adjustable noseclip/braided headbands.
  - Suited for hot, humid environments or long periods of wear.
  - Cool Flow Exhalation Valve reduces heat build up.
  - Designed for particles from grinding, sanding, sweeping & dusty operations.

**3M NON-TOXIC PARTICLE MASK 6985**

Part No.  
**906985**  
50 per box

- Comfortable fitting mask provides relief against non-toxic dusts.
- Made of flexible filter material, specially contoured to stand away from the face.
- One mask fits all - no straps to adjust.

**3M INDUSTRIAL DUST / MIST RESPIRATOR 8210**

- At least 95% filtration efficiency against solid & liquid aerosols that do not contain oil.
- NIOSH approved: N95.
- **Use for:** solids such as those from processing minerals, coal, iron ore, flour and certain other substances. Liquid or non-oil based particles from sprays that do not also emit oil aerosols or vapors.
- **DO NOT USE FOR:** paint spray, oil aerosols, gases, vapors, asbestos or sandblasting. Does not supply oxygen.



Part No.  
**908210**  
20 per box

**DUST MASK - NIOSH / MSHA APPROVED****FEATURES:**

- No metal clips.
- Self adjusting nose bridge.
- "Hug-on" flaps.

Part No.  
**113264** 20



**GUARANTEED TO:**  
Cost less per mask than 3M #8710 & #6983 masks.

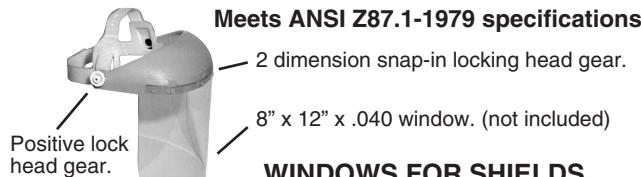
- Viledon®/ Microndon crush proof state of the art filter media.
- Designed to wear low on the nose without discomfort.
- Positively the most comfortable mask available!
- Protects against toxic dusts and mists only.
- Not to be used for fumes, vapors, gases in spray paint operations, abrasive blasting or fire fighting.

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**FACE SHIELD**

Meets ANSI Z87.1-1979 specifications.



Part No. **812556**

| PART NUMBER   | SIZE INCHES   | COLOR         | USED WITH SHIELD NO.              |
|---------------|---------------|---------------|-----------------------------------|
| <b>812558</b> | 8 x 12 x .040 | Clear         | <b>812556</b>                     |
| <b>812559</b> | 8 x 12 x .040 | Green-shade B | <b>812556</b><br>B - Medium Green |

**WINDOWS FOR SHIELDS**

| PART NUMBER   | SIZE INCHES   | COLOR         | USED WITH SHIELD NO.              |
|---------------|---------------|---------------|-----------------------------------|
| <b>812558</b> | 8 x 12 x .040 | Clear         | <b>812556</b>                     |
| <b>812559</b> | 8 x 12 x .040 | Green-shade B | <b>812556</b><br>B - Medium Green |

**BIONIC SHIELD**

Meets ANSI Z87.1-2003 (High Impact) & CSA Z94.3 standards.



Additional lenses sold separately see D13 section.

**PAINT & BODY COMBO RESPIRATOR KIT**

Allows one mask to be used for both painting and body work.

**Medium Face Mask Kit**

Part No. **113265**

**Large Face Mask Kit\***

Part No. **113266**

\*Most popular size

- NIOSH Approved P100 99.97% filter efficiency effective against all solid and liquid aerosols, including oil-based aerosols.
- Easy-to-adjust, comfortable head strap assembly.
- Soft, comfortable silicone facepiece.
- Professional Series facepieces provides more comfort and greater durability.
- Facepiece provides a unique, bonus "Hygiene Guard" for clean storage and product protection.

Each kit comes with:

- (1) Silicone Rubber Half Mask Respirator
- (1 Pair) XP100, P100 Filters w/ OV/AG Nuisance Odor Relief
- (1 Pair) G01 Organic Vapor Cartridges
- (2 Pair) P95 Particulate Filter Pads
- (1 Pair) Filter Retainers

**GENERAL PURPOSE DUST MASK**

- Protects against non-toxic dusts & mists.
- Lightweight.
- Clear vision.
- Easy breathing & speaking.
- Maintenance free.

Part No. **113228** (50)

**NOTE:** Tested to U.S. Government NIOSH specifications (Code of Federal Register, Title 30, Part II Par. 11.140-4 ar 11.140-5). Although this mask has been tested according to NIOSH standards, **it is not a NIOSH approved mask & must be used only for protection against non-toxic and nuisance dusts.**

**WARNING:** Not suitable for use against toxic or hazardous air contaminants, such as, but not limited to, paint spray mists, asbestos, silica, cotton or other toxic dusts, fumes, gasses and vapors. It is the responsibility of the user to determine the suitability of this mask for his/her application. If there is any doubt as to the applicability of the Dust Mask, Part No. 113228 please consult an industrial hygienist.



# SAFETY EQUIPMENT

## MID RANGE EARMUFF

The simple height adjustment works well for any head shape.

- Broad foam cushions give low comfortable surface pressure for a secure and comfortable fit.
- Individual stainless-steel headband wires and ultra lightweight (5-1/8 oz.).
- Pressure equalization air openings correct pressure to the eardrum.
- Complies with ANSI S3.19-1974.



Part No. 812509

## EAR PLUGS

Soft silicone construction provides easier insertion and comfortable, all day fit.

- Unique conical shape allows one size to fit 85% of all ears.
- Non-toxic and non-allergenic.
- Reusable, wash with mild soap and warm water.
- May be worn under winter liners.
- Complete with safety cord.



Part No. 812576

## SOUND SILENCER® PLUS Soft Foam Ear Plugs

- One size fits all - no need to carry multiple sizes.
- Self adjusting foam - expands upon insertion.
- Custom fit - conforms to virtually any ear canal shape.
- Washable and reusable.
- Non-irritating, non-allergenic.
- Noise reduction rating - 27 decibels.
- Sealed in a plastic bag for maximum cleanliness.



Part No. 812507 10



## SAFETY GOGGLES

OSHA Approved

- Optical quality, distortion free, clear plastic lenses.
- Perforated soft vinyl frame for maximum ventilation.
- Fits over personal glasses.
- Protects against flying particles, sparks and splashes.
- A necessity when grinding, scaling or scraping.



Part No. 812118

## SAFETY GLASSES

OSHA Approved

- Polycarbonate clear lenses - impact resistant.
- Unique full view wrap around design for maximum protection.
- One piece optical front.
- Specially designed vented side shield temples.
- 4 post hinge system.

Part No. 812120  
Clear color frame

## VISITOR GLASSES

- Lightweight high optical quality plastic.
- One size fits all.
- Wrap around design for full view.
- Side shields give added protection.
- Fits over personal glasses.

Part No. 812121  
Clear color frame

Does not comply to ANSI Z-87.1 - 1979 specifications

## ANTI-FOG SAFETY GLASSES



Part No. 812598

- Lightweight polycarbonate lens that complies with ANSI.
- Ratcheting temples that adjust up to 13 inclination positions.
- Temples have glass cord holes for easy and secure fastening.
- Provides a wide range of vision and excellent side and brow protection.
- Contemporary style and adjustable temple length.
- X-Coat for superior scratch resistance.

## SPECTRA® SAFETY GLASSES BY WILLSON

| PART NUMBER | LENS  | LUMINOUS TRANSMITTANCE |
|-------------|-------|------------------------|
| 812504      | Clear | 89% min.               |
| 812505      | Gray  | 14-20%                 |



- Increased Wearer Comfort:**
  - Lightweight, fashionable style.
- High on Quality & Protection:**
  - Impact resistant polycarbonate lens.
  - Anti-scratch coating for long lens life.
- Special Features:**
  - Replaceable large unitary lens for excellent field of vision.
  - Nose bridge designed for comfort & universal fit.
  - Special frame design prevents lens contact with rough surfaces.
- Specifications:**
  - Exceeds all ANSI Z87.1 performance standards.
  - Accepted by OSHA in compliance with 29CFR 1910.
  - NOT unbreakable, NOT for welding, does NOT meet ANSI Z87.1 requirements for radiant energy transmission.

## NEMESIS™ SAFETY GLASSES

All our first aid kits & safety supplies meet OSHA requirements.

| PART NUMBER | LENS                 |
|-------------|----------------------|
| 812765      | Clear                |
| 812766      | Smoke Mirror         |
| 812767      | Blue Mirror          |
| 812768      | Amber                |
| 812769      | 5.0 For Mild Cutting |



Protect yourself and your company

- Sleek, sporty style.
- Soft touch temples.
- Lightweight construction.
- Single lens wrap-around protection.
- Comes with an adjustable, breakaway Flexicord™ retainer for added security and convenience.
- Meets ANSI Z87.1 + standards.

## EYEWEAR DISPENSER

- Holds up to 20 pairs of eyewear.
- Features hinge bottom door for easy access.
- Use as a wall mount (fasteners included) or tabletop unit.
- Measures:  
8" W x 17-1/4" H x 4" D.



Part No. 12185

**SAFETY EQUIPMENT****INDUSTRIAL FIRST AID KITS**

Used in industrial plants, offices, machine shops, construction sites, laboratories, service stations, auto body shops, restaurants, vehicles, public buildings, farms, homes, etc.

- Provides quick, safe, on-the-scene treatment of injuries.
- Contents based on statistics, to cover most accidents.
- Kits attach easily to a wall or can be easily removed and taken to an injured person.



Part No. 312101

Kit dimensions: 10-5/8" x 7-3/8" x 2-3/8"  
for up to 25 people

**COMPLETE REFILL in polybag**  
Part No. 312178



Part No. 312102

Kit dimensions: 13-3/4" x 9-1/4" x 2-1/4"  
for up to 50 people

**COMPLETE REFILL in polybag**  
Part No. 312189



**NOTE:** While school bus regulations vary by state,  
Our first aid kits meet many of the basic requirements.

**DOT FIRST AID KIT**

Used in mini buses and vans.

- DOT approved.
- Metal gasketed case for demanding applications in fleet use.
- 10 person kit.



Part No. 312104

**COMPLETE REFILL**  
Part No. 312108

**Kit includes:**

- 16-adhesive strips, 3/4" x 3"
- 1-adhesive tape, 1/2" x 2 yds.
- 3-alcohol wound wipes
- 3-ammonia inhalants
- 12-aspirin tablets, 5 gr.
- 1-cold pack
- 2-eye pads
- 1-first aid/burn cream, 7/8 oz.
- 5-gauze pads, 4"
- 1-gauze bandage, 2" roll
- 3-sting relief wipes
- 1-scissors
- 1-triangular bandage
- 1-tweezers
- 1-instructions
- 2-nitrile gloves

**PLASTIC STRIPS**

- Non-stick pad.
- 3/4" x 3".
- Sterile.

Larger Quantity



Part No. 312125 100

**KNUCKLE & FINGERTIP BANDAGES**

- Use for both knuckle & fingertips.
- Comfortable wound protection.
- Protects cuts, scrapes & abrasions.
- 20 bandages per box.



Part No. 312191

**HANDYMAN FIRST AID KIT**

PSS100418 Part No. 312103

- A well stocked kit, packed in a reusable plastic container.
- Fits conveniently in the glove compartment.
- Provides essential supplies for emergencies on the road or elsewhere.

**Kit includes:**

- 5-heavy woven adhesive strips
- 5-heavy woven adhesive patches 2" x 3"
- 5-heavy woven knuckle bandages
- 5-heavy woven fingertip bandages
- 4-sterile 2" x 3" gauze pads
- 4-sterile gauze pads 2" x 2"
- 2-sterile eye pads
- 1-roll gauze
- 1-roll 1/2" adhesive tape
- 4-triple antibiotic .5 gr.
- 4-first aid cream .9 gr.
- 4-antiseptic wipes
- 1-scissors
- 1-tweezers
- 1-first aid book w/illustrations

**VA SCHOOL BUS FIRST AID KIT**

- State of Virginia 16 unit school bus first aid kit.

Part No. 312098  
**COMPLETE REFILL**  
Part No. 312099

- 2-plastic strips, 1" x 3", 16ct.
- 2-bandage compress, 2", 4ct.
- 3-bandage compress, 4", 1ct.
- 2-NS conforming gauze roll, 4" x 5yd.
- 2-triangular bandage w/pins, 40"
- 1-gauze compress, 24" x 72"
- 2-antiseptic towelette, 10ct.
- 1-insect sting pads, 10ct.
- 1-CPR mask, gloves & wipes
- 1-first aid handbook

PSS031318

**FABRIC BANDAGES**

Part No. 312199 100

- Conforms easily to wounds.
- Stays put even when wet.
- 3/4" x 3".

**ADHESIVE PADS**

Part No. 312126 10

- For large cuts.
- 2" x 3".
- Non-stick pad.
- Sterile.



Part No. 312193

**ADVIL TABLETS**

- Ibuprofen tablets, 200 mg. each tablet, non-prescription strength.
- Pain reliever / fever reducer.
- Provides temporary relief of minor aches, arthritis, muscle aches and headaches.
- 50 individually wrapped packets of 2.
- Use only as directed. Read all warning labels before use.

PSS012012

**WOUNDSEAL™**

Topical powder stops bleeding instantly.



Part No. 312184

PSS050212

Contains: 1-squeeze bottle for larger application or several smaller ones

# SAFETY EQUIPMENT

## ABSORBENT PADS

### UNIVERSAL TYPE ABSORBENT PADS



- Absorbs all solvents, coolants, water and oil based chemicals.
- Ideal for use around machinery and equipment.
- For routine maintenance or where daily leakage and drips occur.

Part No. 812546

17" x 19" x 1/8" - 100 per pak

### DISPENSER BOX - SOCK-PAD-ROLL



Dispenser Box Size: 25" x 5" x 14"

Weighs only 6 lbs.

\* Yellow is used to readily identify hazardous material.

- Use it right out of the box as a sock, pad, roll or a pillow.
- 50' length of 18" wide high absorbent AirMatrix™ core folded & tacked to form a 4" thick strip that is perforated every 16".
- Take on the job or store behind vehicle seat.

| PART NUMBER | USED FOR            | PAD COLOR |
|-------------|---------------------|-----------|
| 812579      | Oil / Petroleum     | White     |
| 812580*     | Hazardous Materials | Yellow    |
| 812581      | Universal           | Gray      |

### BONDED DRUM-TOP PADS

Keep 55 gallon drums clean and neat.

WHITE  
For "Oil" OnlyGRAY  
"UNIVERSAL"  
For Solvents,  
Coolants, Water &  
Oil Based Chemicals

Part No. 812759 25

Part No. 812758 25



### SORBENT ROLLS

- Sorbents rolls are constructed from a single layer of high quality uniform polypropylene fibers that are sonically bonded together for added strength and to reduce lint fall off.
- Rolls are perforated for easy use.

GRAY  
"UNIVERSAL"

Part No. 812760

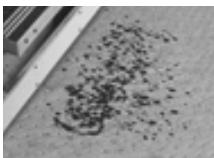
WHITE  
For "Oil" Only

Part No. 812762

GRAY CAMOFLAGE

Extra thick for all liquids

Part No. 812761 1 roll



### ALL PURPOSE ABSORBENT

All-natural, 100% organic coconut husk absorbent.

Absorbs up to 9X  
its own weight!

PSS041615



| PART NUMBER | SIZE      | ABSORBENCY (LIQUID) | EQUIVALENT TO CLAY |
|-------------|-----------|---------------------|--------------------|
| 812776      | 1 Gallon  | 2.5 Qts             | 35lbs              |
| 812777      | 9 Liters  | 10 Qts              | 100lbs             |
| 812778      | 35 Liters | 24 Qts              | 250 + lbs          |

### PETROLEUM BASED TYPE ABSORBENT PADS



- Absorbs oils and other petroleum based liquids.
- Will not absorb water based chemicals.
- These pads float and will not fall apart when used on water.
- Excellent for emergency aqueous environment clean-up.

Part No. 812547

17" x 19" x 1/8" - 100 per pak

### SPILL CLEAN-UP KIT

\*RECOMMENDED FOR BLOOD &amp; BODILY FLUIDS.



Part No. 312106

**Contains:**

- bottle absorbent powder (2 oz.)
- scoop & spatula
- hard surface disinfectant cloth (EPA approved)
- biohazard bag
- unmarked bag (for non-infectious waste)
- pr. nitrile exam gloves
- antiseptic towelettes

Directions are on the back panel of the box.

### EMERGENCY SPILL KIT

A spill kit is necessary to comply with OSHA hazardous material training program CFR 1910.120 and the department of transportation (D.O.T.) HM-126F Training requirements for hazardous materials employers.

**Kit Includes:**

- absorbent pads
- universal boom socks
- pair chemical splash goggles
- pair protective gloves
- all-purpose waste disposal bags

Part No. 812583

Sas No. SAS7750

- Ready for immediate, cost effective response to oil, paint or petroleum based product spills.
- Easy to carry and fits behind most delivery vehicle seats, which allows delivery driver/worker to quickly and easily respond to emergency clean up of small spills and container leaks.

Under the Department of Transportation regulation HM-126F, any employer who uses one or more employees to transport, load, unload or even handle hazardous materials in conjunction with their transportation is a Hazardous Materials (Hazmat) Employer. (This includes a tow truck operator who carries gasoline on the truck.)