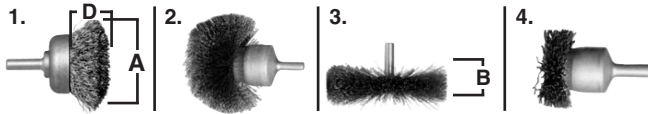


# STEEL WIRE WHEEL and WIRE SCRATCH BRUSHES

## STEM MOUNTED WIRE WHEEL BRUSHES

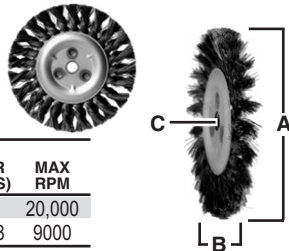
- For carbon cleaning, polishing, weld cleaning, scale removal, rust & paint removal, rubber & plastic flash removal, deburring and ID pipe cleaning mounted on 1/4" stems.
- Use on portable power tools.



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
812154	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

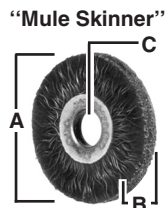
- For high impact, heavy duty cleaning in severe applications, weld cleaning, removal of rubber & plastic flash.



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

## EPOXY ENCAPSULATED WIRE WHEEL

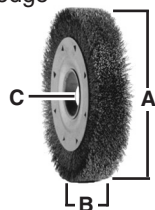
- The wire tips are firmly held & supported producing an aggressive brushing action & longer life.
- For heavy duty - burr removal, weld scale, rust & cleaning in narrow or confined areas.



PART NUMBER	(A) DIA (INCHES)	WIRE SIZE	(B) FACE WIDTH	(C) ARBOR (INCHES)	MAX RPM
812715	2	.014	1/4	1/2	20,000

## CRIMPED WIRE WHEELS

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



PART NUMBER	(A) DIA (INCHES)	WIRE SIZE	(B) FACE WIDTH	(C) ARBOR (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

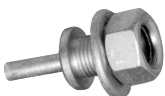


Sold In Pairs

## THREADED DRIVE ARBOR

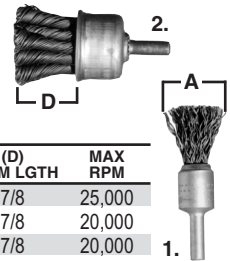
- For adapting wire wheels with 1/2" arbor to portable power tools.
- 1/2" diameter.
- 1/4" shank.

Part No. 812157



## STEM MOUNTED WIRE END BRUSHES

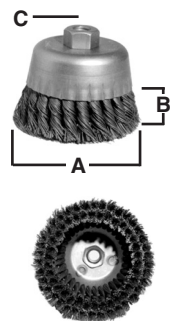
- Crimped wire for light & medium duty.
- Knot wire for heavy duty cleaning, finishing & polishing.
- Removes burrs, weld splatter, etc.
- Mounted on 1/4" stems.
- Use on portable power tools.



PART NUMBER	STYLE	(A) DIA	WIRE SIZE	(D) TRIM LGTH	MAX 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

PART NUMBER	(A) DIA (INCHES)	WIRE SIZE	(B) TRIM LENGTH	(C) ARBOR (INCHES)	MAX 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

## 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) DIA (INCHES)	WIRE SIZE	(B) TRIM LENGTH	(C) ARBOR (INCHES)	MAX RPM
812704	4	.020	1-3/8	5/8-11	9,000
812705	6	.020	1-1/8	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

## 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.

ID plumbing sizes

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.

### 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 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

(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

### KNOT WHEEL

(Cable Twist)

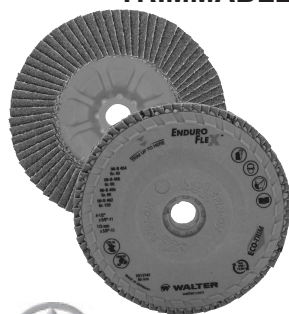
PART NUMBER	DIA. (INCHES)	WIRE SIZE	ARBOR THREAD SIZE.	TRIM LENGTH	FACE WIDTH	MAX. SAFE SPEED
815203	4	.020	5/8"-11 UNC	7/8	1/4	20,000



# 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.

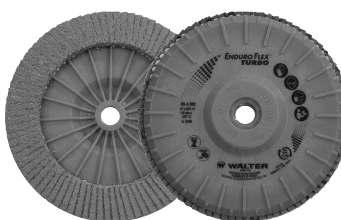


– TYPE 27S –

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

PSS060520

## FLAP DISC HIGH PERFORMANCE - FASTEST CUTTING



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

- Aggressively removes material like a 36 grit but leaves a 60 grit paint-ready finish.
- Saves a valuable step in the finishing process.
- Designed to allow air to cool the work piece.
- Increases product life & minimizes heat transfer.
- Great for steel & stainless steel.



– 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

## ZIRCONIUM BLUE FLASH FLAP DISCS

Best used on flat or gently contoured surfaces for:

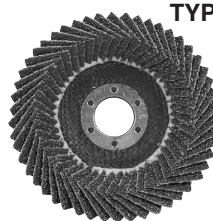
- Paint & rust removal.
- Die cast and weld grinding.
- Auto body finishing.
- Aluminum finishing.
- Deburring & masonry work.
- Wood & plastic work.

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

TYPE 29



TYPE 27



PSS110816.BLUEFLASHDISC



## 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

## 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:

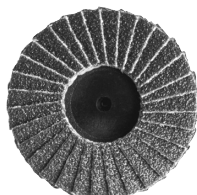
- Sheet metal fabrication.
- Aerospace.
- Foundries.
- Maintenance dept.'s.
- Petrochemical.
- Food equipment.
- Appliance.
- Automotive.
- And much, much more...

## TWIST-LOCK MINI FLAP DISC - ZIRCONIUM COATED

### — FLAT —

- For confined and hard-to-reach areas.

PART NUMBER	SIZE DIA (INCHES)	GRIT	MAX SPEED RPM
815304	2	36	30,000
815305	2	60	30,000
815306	2	80	30,000
815307	2	120	30,000
815308	3	36	20,000
815309	3	60	20,000
815310	3	80	20,000
815311	3	120	20,000



### 2" TEST KIT

Part No. 815300

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

### 3" TEST KIT

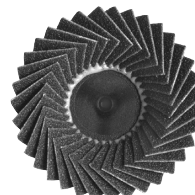
Part No. 815301

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

### — FLEXIBLE —

- For contoured and irregular surfaces.

PART NUMBER	SIZE DIA (INCHES)	GRIT	MAX SPEED RPM
815312	2	36	30,000
815313	2	60	30,000
815314	2	80	30,000
815315	2	120	30,000
815316	3	36	20,000
815317	3	60	20,000
815318	3	80	20,000
815319	3	120	20,000



### 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

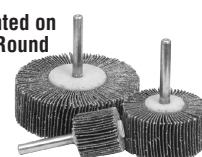
PART NUMBER	GRIT	SIZE	MAX RPM
815136	60	1 x 1	25,000
815137	80	1 x 1	25,000
815138	120	1 x 1	25,000
815324	60	1-1/2 x 1	25,000
815325	80	1-1/2 x 1	25,000
815326	120	1-1/2 x 1	25,000

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

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.

Mounted on  
1/4" Round  
Shaft



## 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

## SILICON CARBIDE SCREEN CLOTH DISPENSER ROLLS

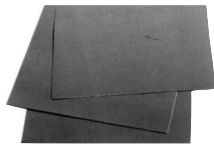
GRIT	PART NUMBER	GRADE
	1-1/2" x 25 ft.	1-1/2" x 25 yd.
80	812442	812452
120	812199	812451
180	812443	812450



# 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



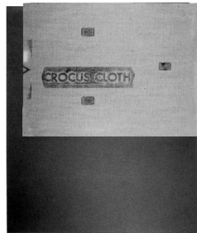
Deburring, cleaning, removing rust and smoothing rough spots.

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

GRIT	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 & finishing of all machined surfaces.



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

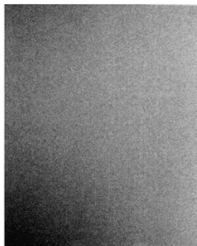
PART NUMBER	GRIT	DIA. (INCHES)	QTY
812187	FINE	9 x 11	25

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

## FASTCUT SANDING SHEETS

Shaping & 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

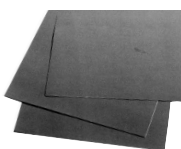
**CARBORUNDUM:** "Fastcut" Paper-Aloxite Open  
**NORTON:** Adalox Paper-Open coat  
**3M:** Production Cabinet Paper Open Coat

## 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.



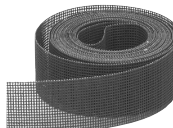
Part No. 812447  
 1-1/2" x 10 yds.

### 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.

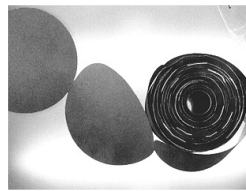
### GRIP-KUT MESH CLOTH ROLL

- 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.



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

## 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

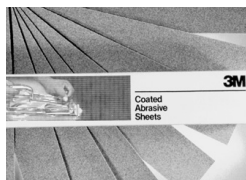


- Made for use with STIKIT discs.
- Vinyl pad face provides good adhesion, and easy disc removal.
- Lightweight, shock resistant & well balanced.
- Maximum RPM is 7,000.

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	QTY	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	QTY	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	QTY	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



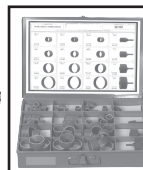
## SPIRAL BANDS

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	GRIT	PART NUMBER	QTY
1/2 x 1/2	60	815460	20
1/2 x 1/2	80	815461	20
1/2 x 1/2	120	815462	20
3/4 x 1	36	815463	20
3/4 x 1	60	815464	20
3/4 x 1	80	815465	20
3/4 x 1	120	815466	20
1 x 1	36	815467	20
1 x 1	60	815468	20
1 x 1	80	815469	20
1 x 1	120	815470	20
1 x 1	180	815471	20

SIZE DIA. x LENGTH	GRIT	PART NUMBER	QTY
1 x 1-1/2	60	815472	20
1 x 1-1/2	80	815473	20
1 x 1-1/2	120	815474	20
1-1/2 x 1	36	815475	20
1-1/2 x 1	60	815476	20
1-1/2 x 1	80	815477	20
1-1/2 x 1	120	815478	20
2 x 1	36	815479	20
2 x 1	60	815480	20
2 x 1	80	815481	20
2 x 1	120	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

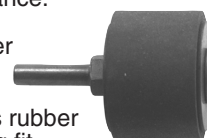
## SOLID RUBBER DRUMS

Used with spiral bands.

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

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

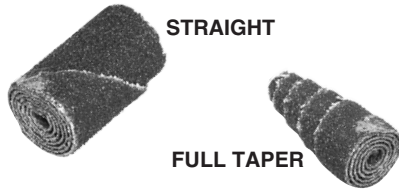


SIZE	GRIT	PART NUMBER	PK. PER BOX
4-1/2 x 7/8	36	811502	25
7 x 7/8	36	811504	25



# COATED ABRASIVES

## CARTRIDGE ROLLS

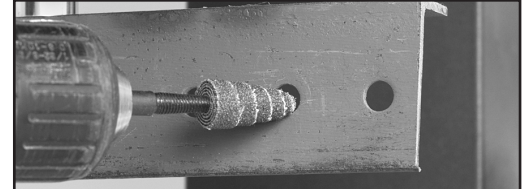
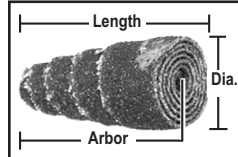


Used on portable drills, die grinders, straight shaft and angle grinders.

- 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.

### - 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 ROLL MANDRELS



PILOT DIA.	SHANK DIA.	PILOT LENGTH	PART NUMBER	SHANK LENGTH
1/8	1/4	3/4	812498	1 1-1/8
1/8	1/4	1	812499	1 1-1/8

## 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

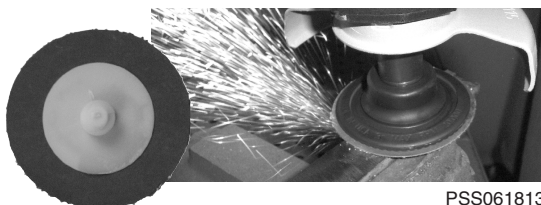
- Self trimming - constant new cutting surface.
- Trim-Kut is designed to run cooler and work faster than any other type of sanding discs.
- Tough aluminum oxide grain is impregnated into durable plastic (polyamide) backing.
- Extremely lightweight for power tools.
- Use all the way to the core.
- Used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



## 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 aluminum 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.

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

\*1/4" shaft diameter

## 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 (Roloc) male fasteners.
- Interchangeable mandrels & arbor adapters allow each pad to be quickly converted from use in chucks/collets (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 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

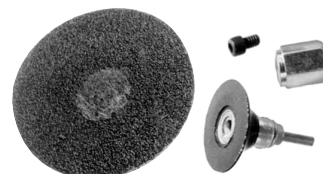
**Part No. 501632**  
32 pieces • 8 items  
12061 steel tray

901396	901406	905539
901397	901407	905540
901398	901408	

Numbers in assortment

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.

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

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

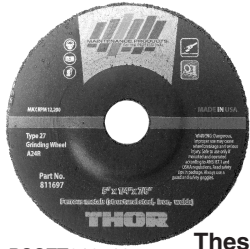
RPM:  
20,000

TYPE 27



# BONDED ABRASIVES

## THOR TYPE 27 DEPRESSED CENTER GRINDING WHEELS

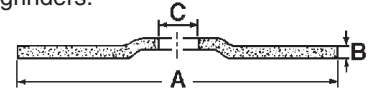


Made in  
USA

**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.

PSSZT010512

SIZE			MAX RPM	GRAIN/ GRIT	USE	UNHUBBED	
"A" DIA.	"B" WIDTH	"C" BORE				PART NUMBER	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

SIZE			MAX RPM	GRAIN/ GRIT	USE	HEX HUB	
"A" DIA.	"B" WIDTH	"C" BORE				PART NUMBER	QTY
4-1/2	1/4	5/8-11	13,300	A24N	Ferrous Metals, Fast Cut	811705	25
4-1/2	1/4	5/8-11	13,300	A24R	Ferrous Metals, Long Life	811706	25
4-1/2	1/4	5/8-11	13,300	AL36N	Aluminum, Brass, Copper	811716	25
7	1/4	5/8-11	8,500	A24R	Ferrous Metals, Long Life	811707	25
7	1/4	5/8-11	8,500	AL36N	Aluminum, Brass, Copper	811715	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			MAX RPM	GRAIN/ GRIT	USE	PART	
"A" DIA.	"B" WIDTH	"C" BORE				NUMBER	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.

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

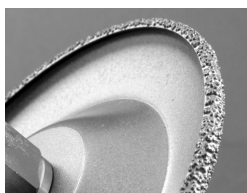


PSS041118

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

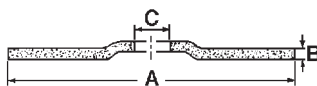
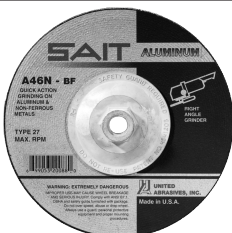
Used on iron, steel and stainless steel.

- 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.

- 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.



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



SIZE			MAX RPM	GRAIN/GRIT	HEX HUB		QTY
"A" DIA.	"B" WIDTH	"C" BORE			PART NUMBER		
4-1/2	1/4	5/8-11	13,300	A46N	820162	5	
4-1/2	1/4	5/8-11	13,300	A24N	820160	5	
4-1/2	1/4	5/8-11	13,300	A24R	820163	5	
7	1/4	5/8-11	8,500	A24N	820085	5	
7	1/4	5/8-11	8,500	A46N	820088	5	
9	1/4	5/8-11	6,600	A24N	820095	5	
9	1/4	5/8-11	6,600	A46N	820098	5	

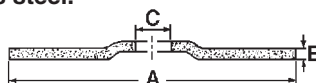
SIZE			MAX RPM	GRAIN/GRIT	UNHUBBED PART NUMBER		QTY
"A" DIA.	"B" WIDTH	"C" BORE					
4	1/4	5/8	13,500	A24N	820015	5	
4	1/4	5/8	13,500	A46N	820018	5	
4-1/2	1/8	7/8	13,300	ZIRC	822620	5	
4-1/2	1/8	7/8	13,300	A24R	822030	5	
4-1/2	1/4	7/8	13,300	A24R	820063	10	
4-1/2	1/4	7/8	13,300	A24N	820060	5	
4-1/2	1/4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



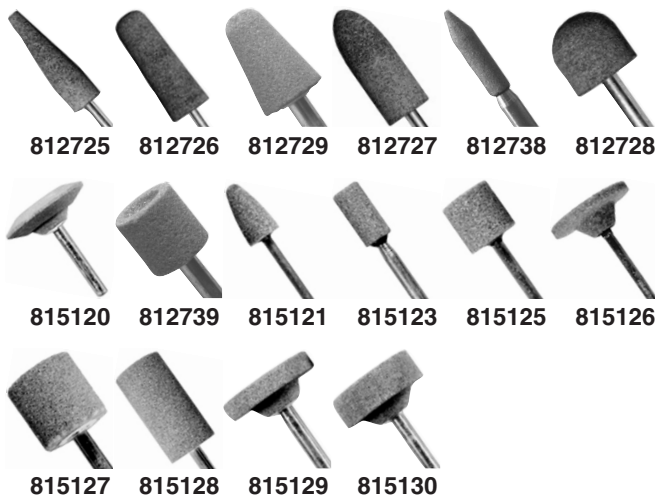
SIZE			MAX RPM	GRAIN/GRIT	PART NUMBER		QTY
"A" DIA.	"B" WIDTH	"C" BORE					
4	.045	5/8	19,000	A60S	822011	2	
4-1/2	.045	7/8	13,300	A60S	822021	2	
5	.045	7/8	12,200	A60S	822071	2	
6	.045	7/8	10,200	A60S	822047	2	
4-1/2	.045	7/8	13,300	SS	822072	5	
4-1/2	.045	7/8	13,300	A46N	822345	5	
6	.045	7/8	10,200	A60S	822082	5	
7	.045	7/8	8,500	A60S	822053	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 NUMBER	ABRASIVE SHAPE & SIZE		MANDREL SIZE	
	ABRASIVE SHAPE NO.	THICKNESS (INCHES)	DIA (INCHES)	LENGTH (INCHES)
812725	A-1	3/4	1/4	1-1/2
812726	A-3	1	1/4	1-1/2
812729	A-5	3/4	1/4	1-1/2
812727	A-11	7/8	1/4	1-1/2
812738	A-15	1/4	1/4	1-1/2
812728	A-21	1	1/4	1-1/2
815120	A-36	1-5/8	3/8	1-1/2
812739	A-39	3/4	3/4	1-1/2
815121	B-52	3/8	3/4	1-1/2
815123	W-163	1/4	1/8	1-1/2
815125	W-185	1/2	1/8	1-1/2
815126	W-215	1	1/8	1-1/2
815127	W-220	1	1/4	1-1/2
815128	W-222	1	1/4	1-1/2
815129	W-235	1-1/2	1/4	1-1/2
815130	W-236	1-1/2	1/4	1-1/2



**Part No. 812007**  
38 pieces • 12 items • 12017 steel tray

812726	815120	815125
812727	815121	815126
812728	815123	815127

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

- Designed for dressing, truing, sharpening & removing glaze from solid abrasive wheels.
- Used on wheels up to 10" diameter.



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)	ARBOR 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



PSSB111717

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.



PSS100320



- 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" 5



# BONDED ABRASIVES

## DIAMOND<sup>®</sup> TYPE 1 CUTTING WHEELS

**DIAMOND<sup>®</sup>** 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 **DIAMOND<sup>®</sup>** 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.

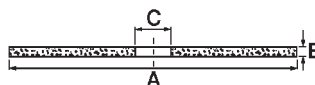


## SAIT TYPE 1 HIGH SPEED CUT-OFF WHEELS

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.

PSS090119



### 5/8-11 REUSEABLE ADAPTER



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

Part No. 822000

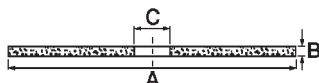
SIZE		"C" BORE	MAX RPM	GRAIN/GRIT	PART NUMBER	QTY
"A" DIA.	"B" WIDTH					
4	.045	5/8	19,000	A60S	823099	2
4-1/2	.045	7/8	13,300	A60S	823101	2
5	.045	7/8	12,200	A60S	823103	2
6	.045	5/8	10,200	A60S	823105	2
6	.045	7/8	10,200	A60S	823106	2

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		"C" BORE	MAX RPM	GRAIN/GRIT	PART NUMBER	QTY
"A" DIA.	"B" WIDTH					
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

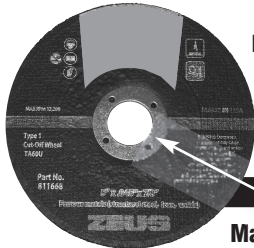


PSS090119

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

## ZEUS 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**

### TYPE 1 Wheels for ELECTRIC and AIR GRINDERS

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

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

SIZE			MAX RPM	GRAIN/GRIT	USE	PART NUMBER	QTY
"A" DIA.	"B" WIDTH	"C" BORE					
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 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" DIA.	"B" WIDTH	"C" BORE					
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" DIA.	"B" WIDTH	"C" BORE					
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

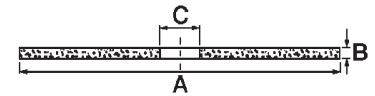
S/S= Stainless Steel

### 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 THICK (INCHES)	SHANK DIA (INCHES)	HEAD DIA (INCHES)	OVERALL LENGTH (INCHES)
822001	1/4	1/4	3/4	2



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" DIA.	"B" WIDTH	"C" BORE					
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 HIGH SPEED SAWS

Manufactured to perform under the toughest job applications. These wheels are externally reinforced with extra heavy fiberglass for additional strength, protecting the wheel against increased side load pressures.

SIZE			MAX RPM	GRAIN/GRIT	USE	PART NUMBER	QTY
"A" DIA.	"B" WIDTH	"C" BORE					
12	1/8	20MM	6,360	A24R	Ferrous Metals, Long Life	811664	10
14	1/8	1	5,460	A24R	Ferrous Metals, Long Life	811683	10
14	1/8	20MM	5,460	A24R	Ferrous Metals, Long Life	811684	10

• NOT SOS LABEL

### DEPRESSED CENTER TYPE 27 WHEELS for RIGHT ANGLE GRINDERS

Use these wheels for multiple product applications. Using your right angle grinder for cutting, these depressed center wheels will allow you to reach the most difficult cutting positions producing fast, burr-free cuts.

SIZE			MAX RPM	GRAIN/GRIT	USE	DEPRESSED CENTER	
"A" DIA.	"B" WIDTH	"C" BORE				PART NUMBER	QTY
4	.040	5/8	15,000	TA60T	Ferrous Metals, Long Life	811698	25
4-1/2	.045	7/8	13,300	TA60U	Ferrous Metals & S/S	811699	25
4-1/2	.045	7/8	13,300	SGA60U	S/S & High Tensile Alloys	811702	25
4-1/2	.045	7/8	13,300	AL46N	Aluminum, Brass, Copper	811703	25
5	.045	7/8	12,200	TA60U	Ferrous Metals & S/S	811700	25
6	.045	7/8	10,200	TA60U	Ferrous Metals & S/S	811701	25
7	.040	7/8	8,500	TA60T	Ferrous Metals, Long Life	811704	25

S/S= Stainless Steel

### 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

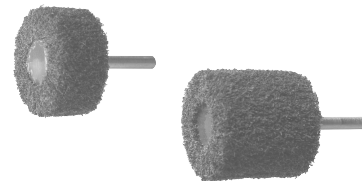
## 100% NON-WOVEN FLAP WHEELS

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
815385	Extra Fine	2 x 1	12,000
815386	Fine	2 x 1	12,000
815387	Medium	2 x 1	12,000

PART NUMBER	GRIT	SIZE	MAX RPM
815391	Medium	2 x 2	12,000
815395	Medium	3 x 2	7,500
815396	Coarse	3 x 2	7,500



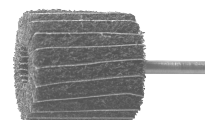
## INTERLEAF FLAP WHEELS

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
815400	60 Coarse	2 x 1	12,000
815401	120 Medium	2 x 1	12,000
815403	240 Extra Fine	2 x 1	12,000
815404	60 Coarse	2 x 2	12,000
815405	120 Medium	2 x 2	12,000

PART NUMBER	GRIT	SIZE	MAX RPM
815406	180 Fine	2 x 2	12,000
815408	60 Coarse	3 x 2	7,500
815409	120 Medium	3 x 2	7,500
815410	180 Fine	3 x 2	7,500



## 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
Holders	2"	811357	3"	811360	Holders (have 1/4" shank)	



NOTE: Must Be Used With Special Disc Holder

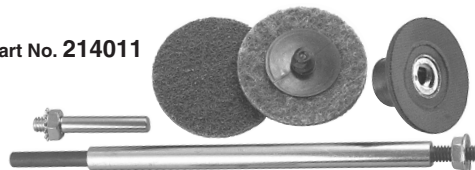


## GASKET CLEANER

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





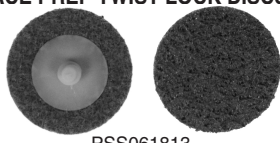
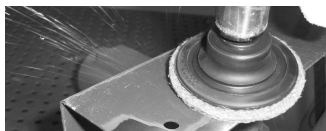
# NON-WOVEN ABRASIVES

## 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	(SUFN)/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

(SUFN) 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.

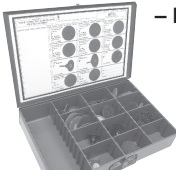
- Perimeter air channels on pad surface suppresses heat generation during use, extending abrasive disc service life.
- Uniform 3-piece composition contributes to a balanced & vibration free use.
- Interchangeable mandrels & arbor adapters allow each pad to be quickly converted from use in chucks/collets (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 –



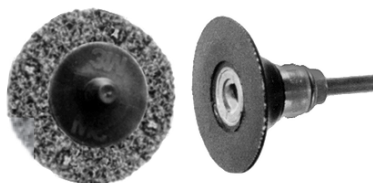
Part No. 501789  
44 pieces • 11 items • 12051 steel tray

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 (SUFN) gray	811617	25
907515	2	medium (VFN) blue	811617	25
907514	3	fine (SUFN) gray	811618	25
907513	3	medium (VFN) blue	811618	25

(SUFN) 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

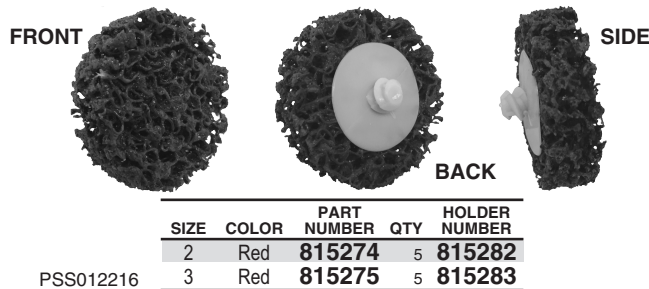
# NON-WOVEN ABRASIVES

## 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.



### 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	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.

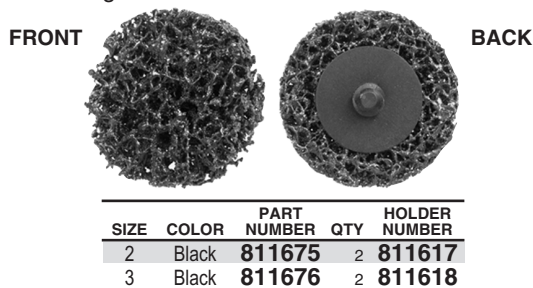
PSS012116

## 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.

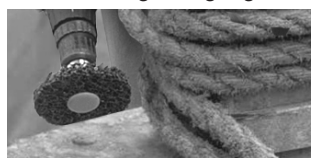
### STRIP-IT TWIST-LOCK DISCS

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



### 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	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

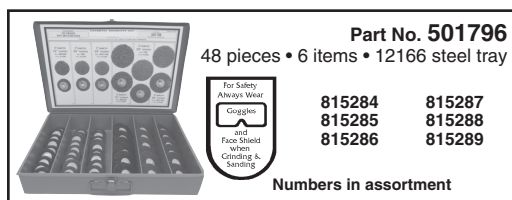
### SUPER-DUTY BUFF & BLEND QUICK CHANGE NON-WOVEN DISCS

#### 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)

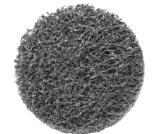
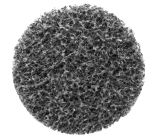
SIZE DIA.xTHKNS.	GRIT	PART NUMBER	QTY
2" x 1/2"	Medium	815284	25
3" x 1/2"	Medium	815287	25

#### 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 DIA.X.THKNS.	GRIT	PART NUMBER	QTY
1" x 1/4"	Medium	815290	3
1" x 1/4"	Fine	815291	3
1-1/2" x 3/8"	Medium	815292	3
1-1/2" x 3/8"	Fine	815293	3
2" x 1/2"	Medium	815294	3
2" x 1/2"	Fine	815295	3

### MANDREL 8-32 THREAD



Part No. 815299

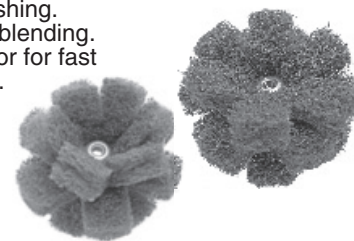


Part No. 812009  
19 pieces • 7 items • 12042 plastic tray



815290 815294  
815291 815295  
815292 815299  
815293

Numbers in assortment



PSS022614



## 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



815284 815289 815294  
815285 815290 815295  
815286 815291 815299  
815287 815292  
815288 815293

Numbers in assortment



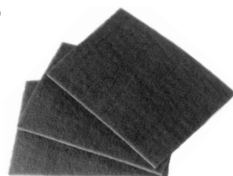
## SURFACE CONDITIONING HAND PADS

- 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



PART NUMBER	DESCRIPTION	COLOR	3M	INTERCHANGE NORTON ANDERSON	QTY
113262	Extra Coarse	Gray	N/A	N/A	25
113222	Medium Coarse (general purpose)	Green	N/A	668 61768	25
113227	Medium Fine (general purpose)	Maroon	7447	707 60000	25
113234	Fine	Gray*	7448	635 60247	25

\*Silicone Carbide

- 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.

## 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	<b>Light cleansing (white)</b> - 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	<b>General purpose (maroon)</b> - 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*	<b>Ultra fine (gray)</b> - 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 buffing 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.

- High maximum operating speeds (MOS) allow for use on die grinders and pistol grip grinders. (1" - MOS 30,000) (2" - MOS 25,000 RPM) (3" - MOS 15,000 RPM).

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

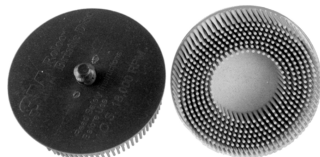
1" Disc Holder - Order No. 905538

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

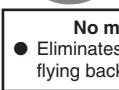
907524	907526	907539
907525	907527	907540

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.



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



PSS091616.939011.029.037

## 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.

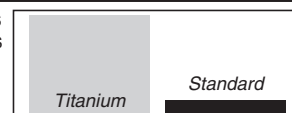
**Greater savings.**

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

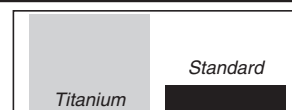
**TITANIUM NITRIDE COATED DRILLS  
ARE 500% LONGER LASTING  
THAN ORDINARY DRILLS!!**



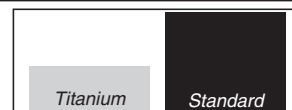
◆ Titanium drill bits last up to 6 times longer than standard high speed steel bits.



◆ 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.

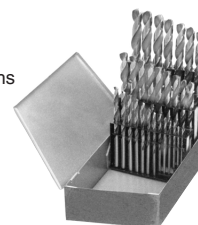
#### Part No. 814001

##### 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



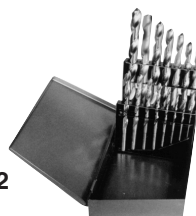
#### Part No. 814302

##### 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 superhard 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.

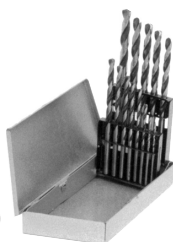
## STRAIGHT SHANK FRACTIONAL SIZES

- 135° self-centering split point.
- High speed steel drills.

### Part No. 813010

13 piece set

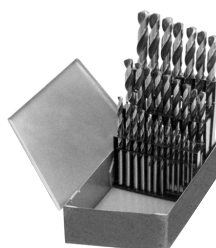
Sizes: 1/16" to 1/4" by 64ths  
Packed in 12095 index



### Part No. 813012

29 piece set

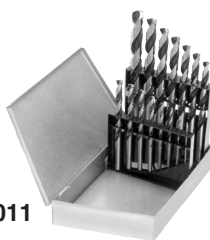
Sizes: 1/16" to 1/2" by 64ths  
Packed in 12097 index



### 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.

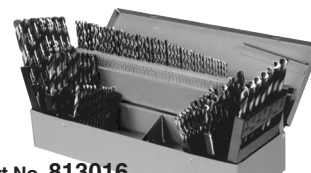
# DYNALLOY TWIST DRILLS and DRILLS

## LETTER SIZES

PART NUMBER	LETTER SIZE	DECIMAL EQUIVALENT INCHES
813574	A	.234
813575	B	.238
813576	C	.242
813577	D	.246
813578	E	.250
813579	F	.257
813580	G	.261
813581	H	.266
813582	I	.272

PART NUMBER	LETTER SIZE	DECIMAL EQUIVALENT INCHES
813583	J	.277
813584	K	.281
813585	L	.290
813586	M	.295
813587	N	.302
813588	O	.316
813589	P	.323
813590	Q	.332
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

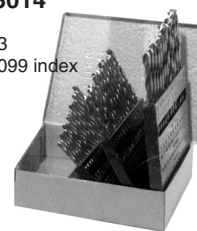
PART NUMBER	WIRE GAUGE SIZE	DECIMAL EQUIVALENT INCHES
813531	1	.2280
813532	2	.2210
813533	3	.2130
813534	4	.2090
813535	5	.2055
813536	6	.2040
813537	7	.2010
813538	8	.1990
813539	9	.1960
813540	10	.1935
813541	11	.1910
813542	12	.1890
813543	13	.1850
813544	14	.1820
813545	15	.1800
813546	16	.1770
813547	17	.1730
813548	18	.1695
813549	19	.1660
813550	20	.1610

PART NUMBER	WIRE GAUGE SIZE	DECIMAL EQUIVALENT INCHES
813551	21	.1590
813552	22	.1570
813553	23	.1540
813554	24	.1520
813555	25	.1495
813556	26	.1470
813557	27	.1440
813558	28	.1405
813559	29	.1360
813560	30	.1285
813561	31	.1200
813562	32	.1160
813563	33	.1130
813564	34	.1110
813565	35	.1100
813566	36	.1065
813567	37	.1040
813568	38	.1015
813569	39	.0995
813570	40	.0980

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. MM	DEC. EQUIV.	OVERALL LGTH. MM	INCHES	QTY
813927	1.00	.0394	41	1-5/8	3
813928	1.50	.0591	48	1-7/8	3
813929	2.00	.0787	54	2-1/8	3
813930	2.50	.0984	60	2-3/8	3
813931	3.00	.1181	70	2-3/4	3
813932	3.50	.1378	73	2-7/8	3
813933	4.00	.1575	83	3-1/4	3
813934	4.50	.1772	86	3-3/8	3
813935	5.00	.1968	92	3-5/8	3
813936	5.50	.2165	95	3-3/4	3

PART NUMBER	DRILL DIA. MM	DEC. EQUIV.	OVERALL LGTH. MM	INCHES	QTY
813937	6.00	.2362	102	4	3
813938	6.50	.2559	105	4-1/8	1
813939	7.00	.2756	105	4-1/8	1
813940	7.50	.2953	111	4-3/8	1
813941	8.00	.3150	114	4-1/2	1
813942	8.50	.3346	121	4-3/4	1
813943	9.00	.3543	124	4-7/8	1
813944	9.50	.3740	127	5	1
813945	10.00	.3937	130	5-1/8	1



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

## COMBINED DRILL and COUNTERSINK BITS



- 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	3/8	.3750	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.

### 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

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

## EXTRA LONG AIRCRAFT EXTENSION DRILLS

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



PART NUMBER	DRILL DIA. INCHES	FLUTE LENGTH INCHES
813993	1/8	1-5/8
813994	3/16	2-5/16
813995	1/4	2-3/4
813996	9/32	2-15/16
813988	5/16	3-3/16
813997	3/8	3-5/8
813998	7/16	4-1/16
813999	1/2	4-1/2

## 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

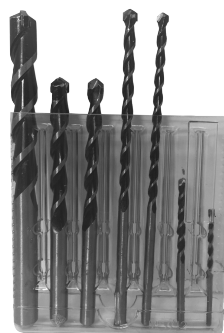


PSS040517

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

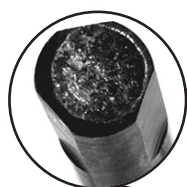


5 PIECE SET  
Part No. 811051  
1/8, 5/32, 3/16, 1/4, & 5/16

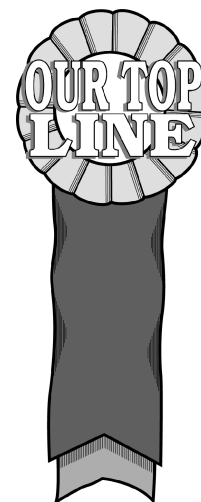
# DYNALLOY POSI-GRIP DRILL BITS

## 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.



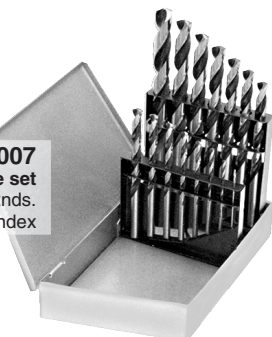
### – ASSORTMENTS AVAILABLE –



#### Part No. 814006

13 piece set

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



#### Part No. 814007

15 piece set

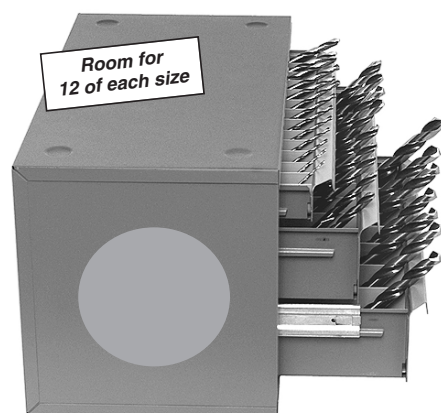
Sizes: 1/16" to 1/2" by 32nds.  
packed in 12096 index



#### 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.

## 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"



**135° SELF STARTING SPLIT POINT**

**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.

**Quick Release Hex Shank**

**PROUDLY MADE IN THE USA**


### 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	826218

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	826211	826211-6
3/32	3-1/4	826212	826212-6
1/8	3-1/2	826213	826213-6
5/32	3-1/2	826214	826214-6
3/16	3-3/4	826215	826215-6
7/32	4	826216	826216-6
1/4	4-1/4	826217	826217-6
9/32	3-13/16	826218	826218-6
5/16	4	826219	826219-6
11/32	4-7/32	826220	826220-6
3/8	4-1/4	826221	826221-6
13/32	4-1/2	826222	826222-6
7/16	4-1/2	826223	826223-6
15/32	4-7/8	826224	826224-6
1/2	5	826225	826225-6

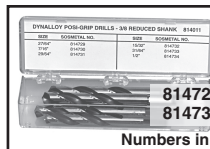
**Part No. 826210**  
Quick Release Adapter



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



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



**Part No. 814011**  
6 pieces • 6 items  
12048 plastic tray

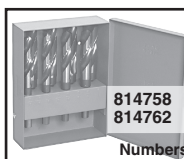
814729	814731	814733
814730	814732	814734

Numbers in assortment

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

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

- 3 flats on shank, prevent drill/chuck slippage.
- 135° split point up to 3/4 inch, larger sizes have 118° split point.
- Overall length 6 inches.
- Also called silver and deming drills.



**Part No. 814012**  
8 pieces • 8 items  
12148 steel index

814758	814766	814774	814782
814762	814770	814778	814786

Numbers in assortment

DIAMETER	PART NUMBER
33/64	814755
17/32	814756
35/64	814757
9/16	814758
37/64	814759
19/32	814760
39/64	814761
5/8	814762
41/64	814763
21/32	814764
43/64	814765

DIAMETER	PART NUMBER
11/16	814766
45/64	814767
23/32	814768
47/64	814769
3/4	814770
49/64	814771
25/32	814772
51/64	814773
13/16	814774
53/64	814775
27/32	814776

DIAMETER	PART NUMBER
55/64	814777
7/8	814778
57/64	814779
29/32	814780
59/64	814781
15/16	814782
61/64	814783
31/32	814784
63/64	814785
1	814786
1-1/32	814787

DIAMETER	PART NUMBER
1-1/16	814788
1-3/32	814789
1-1/8	814790
1-5/32	814791
1-3/16	814792
1-7/32	814793
1-1/4	814794
1-5/16	814795
1-3/8	814796
1-7/16	814797
1-1/2	814798



# 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.

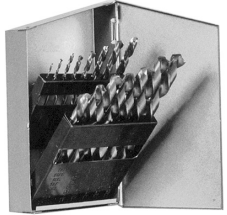
PART NUMBER	DIA	DEC. EQUIV.	OVERALL LENGTH	FLUTE LENGTH	QTY
813790	1/16	.0625	1-7/8	7/8	1
813791	3/32	.0937	2-1/4	1-1/4	1
813631	1/8	.1250	2-3/4	1-5/8	3
813632	5/32	.1562	3-1/8	2	3
813633	3/16	.1875	3-1/2	2-5/16	3
813634	7/32	.2188	3-3/4	2-1/2	3
813635	1/4	.2500	4	2-3/4	3
813792	9/32	.2812	4-1/4	2-15/16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

### 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.



**Outperforms Ordinary Reamers 10 to 1**

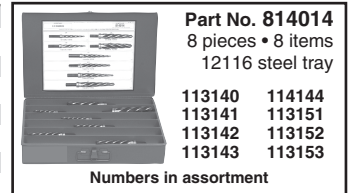
**814015**  
3 piece set  
Includes 1/2",  
5/8", 3/4"  
Sturdy Plastic Case

**814016**  
4 piece set  
Includes 3/8", 1/2",  
5/8", 3/4"  
Sturdy Plastic Case



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

PSS102513



**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 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 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



PSS100319.813236.813057

# SPECIALTY DRILLS

## HOLE HOG™ POSI-GRIP CORE DRILLS

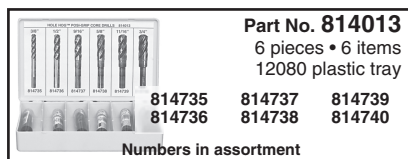
Enlarges existing holes by as much as 160%.

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.

- 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.



Part No. **814013**

6 pieces • 6 items  
12080 plastic tray

814735 814737 814739  
814736 814738 814740

Numbers in assortment

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" size, 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, 8.0mm TE\*,  
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).

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

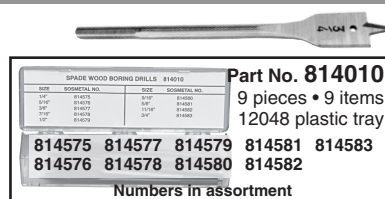
PSS101614

## SPADE WOOD BORING DRILLS

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

SIZE	PART NUMBER
1	<b>814587</b>
1-1/8	<b>814588</b>
1-1/4	<b>814589</b>
1-3/8	<b>814590</b>
1-1/2	<b>814591</b>

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



SPADE WOOD BORING DRILLS #14010			
SIZE	SOCKETAL NO.	SIZE	SOCKETAL NO.
1/4"	814575	5/8"	814581
5/16"	814576	11/16"	814582
3/8"	814577	3/4"	814583
7/16"	814578	13/16"	814584
1/2"	814579	7/8"	814585
9/16"	814580	15/16"	814586

**Part No. 814010**  
9 pieces • 9 items  
12048 plastic tray

**814575 814577 814579 814581 814583**  
**814576 814578 814580 814582 814586**

**Numbers in assortment**

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. 826227

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



### Part No. 826226

**13 piece set**  
Sizes: 1/16" to 1/4" by 64ths.  
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.

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

### 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	---



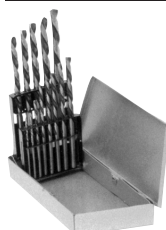
# COBALT HEAVY DUTY and UNIBIT STEP DRILLS

## 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.

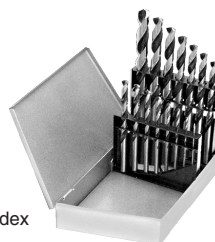


**Part No. 814020**  
13 piece set  
Sizes: 1/16" to 1/4"  
by 64ths.  
packed in 12095 index

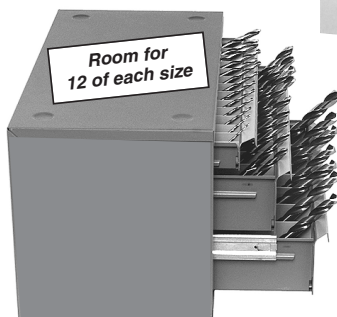
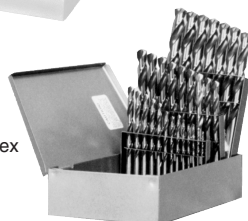


- Heavy duty construction made to Type J air craft specifications.
- High red hardness of cobalt permits speeds 30% greater than high speed steel drills.

**Part No. 814021**  
15 piece set  
Sizes: 1/16" to 1/2"  
by 32nds.  
packed in 12096 index



**Part No. 814022**  
29 piece set  
Sizes: 1/16" to 1/2"  
by 64ths.  
packed in 12097 index



**Part No. 814023**  
29 piece set  
Sizes: 1/16" to 1/2"  
by 64ths.  
packed in 12072 cabinet

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

## 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> MULTI-HOLE		Yes	1/8	1/8 to 1/2 1/32 Increments	1/4	13	All around drilling of steel, fiberglass, plastic and aluminum.
<b>813642</b> MULTI-HOLE		Yes	3/8	3/16 to 1/2 1/16 Increments	1/4	6	All around drilling of steel, fiberglass, plastic and aluminum.
<b>813643</b> MULTI-HOLE		Yes	1/8	1/4 to 3/4 1/16 Increments	3/8	9	All around drilling of steel, fiberglass, plastic and aluminum.
<b>813644</b> SINGLE-HOLE		Yes	N/A	1/2	1/4	1	Rust proofing, drilling frames for pulling attachments & trailer hitch installations.
<b>813645</b> SINGLE-HOLE		Yes	N/A	3/8	1/4	1	Rust proofing, drilling frames for pulling attachments & trailer hitch installations.
<b>813646</b> METRIC MULTI-HOLE		Yes	3/16	4mm to 12mm	1/4	9	All around drilling of steel, fiberglass, plastic and aluminum.
<b>813647</b> METRIC 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. **811101**  
15 piece set  
Sizes: 1/16" to 1/2" by 32nds.

Part No. **811103**  
29 piece set  
Sizes: 1/16" to 1/2" by 64ths.



**VORTEX-POINT™**



Unique tip geometry reduces heat generation



Step drill design

Split-point design gives accurate starting

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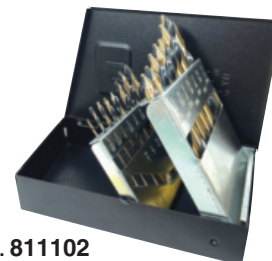
DIAMETER	OVERALL LENGTH	FLUTE LENGTH	PKG QTY 1	PKG QTY 3	PKG QTY 6	PKG QTY 12
1/16	1-7/8	7/8	811105	811105-3	811105-6	811105-12
5/64	2	1	811106	811106-3	811106-6	811106-12
3/32	2-1/4	1-1/4	811107	811107-3	811107-6	811107-12
7/64	2-3/8	1-5/16	811108	811108-3	811108-6	811108-12
1/8	2-1/2	1-7/16	811109	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"



**Part No. 813670**  
Contains sizes: 1/8" - 1/2",  
3/16" - 1/2" & 1/4" - 3/4"  
3 pieces • 3 items  
metal case

813671 813672 813673

Numbers in assortment



M2 Steel - Gold Oxide Coating

no center  
punch needed!

Quick Release  
Hex Shank

- 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 No. 826210**  
Quick Release Adapter



PART NUMBER	HOLE SIZE	NO. OF SIZES	STEP RANGE	STEP INCREMENTS	THICKNESS
813671	1/8 - 1/2	13	1/8 - 1/2	1/32	1/8
813672	3/16 - 1/2	6	3/16-1/2	1/16	3/8
813673	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.

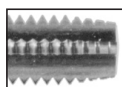


## ULTRA-CUT TAPS

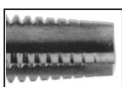
- Triple heat treated M7 steel.
- Outlasts carbon steel 10 to 1.
- Gold surface treated for maximum lubricity.
- Each tap marked permanently with drill size.
- Right hand threads, USS / SAE.
- Precision ground threads for the ultimate in accuracy and performance.
- 3 types - plug, taper and bottoming.



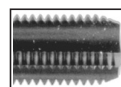
### TYPES OF TAPS



**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
813809	6-32	813566	#36
813810	8-32	813559	#29
813811	10-24	813555	#25
813812	10-32	813551	#21
813814	1/4-20	813537	#7
813815	5/16-18	813579	"F"
813816	3/8-16	813517	5/16
813817	7/16-14	813594	"U"
813818	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
814505	6-32	813566	#36
814507	8-32	813559	#29
814509	10-24	813555	#25
814510	10-32	813551	#21
814513	1/4-20	813537	#7
814515	5/16-18	813579	"F"
814517	3/8-16	813517	5/16
814519	7/16-14	813594	"U"
814521	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
813894	6-40	813563	#33
813895	8-36	813559	#29
813811	10-24	813555	#25
813812	10-32	813551	#21
813844	1/4-28	813533	#3
813845	5/16-24	813582	"I"
813846	3/8-24	813590	"Q"
813847	7/16-20	813522	25/64
813848	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
814506	6-40	813563	#33
814508	8-36	813559	#29
814509	10-24	813555	#25
814510	10-32	813551	#21
814514	1/4-28	813533	#3
814516	5/16-24	813582	"I"
814518	3/8-24	813590	"Q"
814520	7/16-20	813522	25/64
814522	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 PART NO.	TAPER STYLE PART NO.	BOTTOMING STYLE PART NO.	SETS* PART NO.	DRILL SIZE REQUIRED†
4-40 USS	813807	---	813800	---	#44
4-48 SAE	813808	---	813801	---	#43
6-32 USS	813809	---	813802	---	#36
6-40 SAE	813894	---	---	---	#33
8-32 USS	813810	---	813803	---	#29
8-36 SAE	813895	---	---	---	#29
10-24 USS	813811	---	813804	---	#25
10-32 SAE	813812	---	813805	---	#21
12-24 USS	813813	---	813806	---	#16
1/4-20 USS	813814	813824	813834	813874	#7
1/4-28 SAE	813844	813854	813864	813884	#3
5/16-18 USS	813815	813825	813835	813875	F
5/16-24 SAE	813845	813855	813865	813885	I
3/8-16 USS	813816	813826	813836	813876	5/16
3/8-24 SAE	813846	813856	813866	813886	Q
7/16-14 USS	813817	813827	813837	813877	U
7/16-20 SAE	813847	813857	813867	813887	25/64
1/2-13 USS	813818	813828	813838	813878	27/64
1/2-20 SAE	813848	813858	813868	813888	29/64
9/16-12 USS	813819	813829	813839	813879	31/64
9/16-18 SAE	813849	813859	813869	813889	33/64
5/8-11 USS	813820	813830	813840	813880	17/32
5/8-18 SAE	813850	813860	813870	813890	37/64
3/4-10 USS	813821	813831	813841	813881	21/32
3/4-16 SAE	813851	813861	813871	813891	11/16
7/8-9 USS	813822	813832	813842	813882	49/64
7/8-14 SAE	813852	813862	813872	813892	13/16
1-8 USS	813823	813833	813843	813883	7/8
1-14 SAE	813853	813863	813873	813893	15/16

## TAPS - METRIC/PLUG STYLE

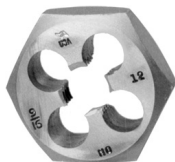
- Heat treated and tempered carbon tool steel.
- Hard-chrome finish.
- Each tap permanently marked with tap and drill size.
- Used to cut metric, automotive, and machinery threads.

SIZE	PART NO.	DRILL SIZE REQUIRED†	SIZE	PART NO.	DRILL SIZE REQUIRED†
5mm x .80	813953	11/64	10mm x 1.50	813961	11/32
6mm x 1.00	813954	13/64	12mm x 1.25	813962	13/32
7mm x 1.00	813956	15/64	12mm x 1.50	813963	13/32
8mm x 1.25	813957	17/64	12mm x 1.75	813964	27/64
8mm x 1.00	813958	21/64	14mm x 1.25	813966	33/64
9mm x 1.25	813959	5/16	14mm x 1.50	813967	15/32
10mm x 1.00	813952	23/64	14mm x 2.00	813965	15/32
10mm x 1.25	813960	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 SIZES			FRACTIONAL SIZES			METRIC SIZES		
SIZE	O.D. INCHES	PART NO.	SIZE INCHES	O.D. INCHES	USS PART NO.	SAE PART NO.	SIZE	O.D. INCHES
4-40	1	813901	1/4	1	813907	813917	M3 x .50	1
6-32	1	813902	5/16	1	813908	813918	M8 x 1.25	1
8-32	1	813903	3/8	1	813909	813919	M10 x 1.25	1
10-24	1	813904	7/16	1	813910	813920	M10 x 1.50	1
10-32	1	813905	1/2	1	813911	813921	M11 x 1.50	1
12-24	1	813906	9/16	1-7/16	813912	813922	M12 x 1.25	1
--	--	---	5/8	1-7/16	813913	813923	M12 x 1.50	1
--	--	---	3/4	1-7/16	813914	813924	M14 x 2.00	1

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

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

†Order drills separately.



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

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

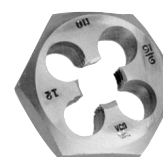
## HIGH SPEED STEEL - HEX DIES

- 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.	SIZE	O.D.	PART NO.	SIZE	O.D.	PART NO.
4-40	1	814550	10-32	1	814554	3/8-16	1	814560	5/8-18	1-7/16	814569
6-32	1	814551	1/4-28	1	814557	7/16-14	1	814562	3/4-16	1-7/16	814571
8-32	1	814552	5/16-24	1	814559	1/2-13	1	814564	--	--	---
10-24	1	814553	3/8-24	1	814561	9/16-12	1-7/16	814566	--	--	---
12-24	1	814555	7/16-20	1	814563	5/8-11	1-7/16	814568	--	--	---
1/4-20	1	814556	1/2-20	1	814565	3/4-10	1-7/16	814570	--	--	---
5/16-18	1	814558	9/16-18	1-7/16	814567						



# **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 - 814435	
SIZE	COMBINATION NO.
1/8"	814435
5/16"	814436
3/8"	814437
1/2"	814438

**Part No. 814435**  
6 pieces • 6 items  
12048 plastic tray

814425 814428 814431  
814426 814430 814432

Numbers in assortment

COMBINATION DRILL-TAP DRILLS - 814436	
SIZE	COMBINATION NO.
1/2"	814436
5/8"	814437
3/4"	814438
7/8"	814439

**Part No. 814436**  
5 pieces • 5 items  
12048 plastic tray

814430 814432 814434  
814431 814433

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	USE DRILL SIZE	PART NUMBER	TAP SIZE NPT	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**



- 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.

Part No. 213653

## **TAP & DIE SETS**

- Made of tough tool steel, hard chrome finish.

- Hardened and tempered to cut smooth threads.

### **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

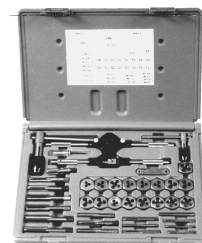
**METRIC SET**  
**Part No. 813035**

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	1/4-20	5/16-18	3/8-16	7/16-14
NF	1/4-28	5/16-24	3/8-24	7/16-20
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	

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-.60	5mm-.80	8mm-1.25	10mm-1.25	12mm-1.50
3mm-.60	5mm-.90	9mm-1.00	10mm-1.50	12mm-1.75
4mm-.70	6mm-1.00	9mm-1.25	11mm-1.50	1/8-28 BSP
4mm-.75	7mm-1.00			

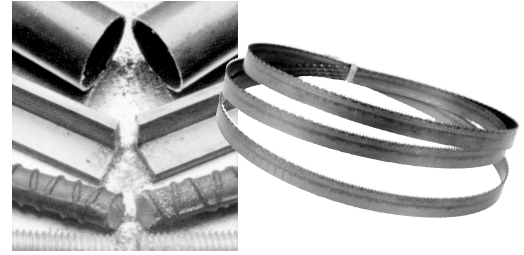


# SAW BLADES

## 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
Porter Cable	721, 724, 725, 726, 736, 728	3' 8-7/8	1/2	.020
Greenlee	530	4' 5-3/4	1/2	.020
Rigid	521, 531	3' 8-7/8	1/2	.020
Black & Decker	941, 942, 943, 944	3' 8-7/8	1/2	.020
	3122, 3123	4' 5-3/4	1/2	.020

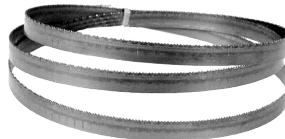
PART NUMBER	LENGTH	BLADE SIZE WIDTH	THICKNESS	TEETH PER INCH
113464	3' 8-7/8	1/2	.020	10
113465	3' 8-7/8	1/2	.020	14
113466	3' 8-7/8	1/2	.020	18
113467	4' 5-3/4	1/2	.020	10
113468	4' 5-3/4	1/2	.020	14
113469	4' 5-3/4	1/2	.020	18

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 to 800°F.
- General purpose blade.
- Ideal for plant maintenance.
- Standard raker style tooth.



PART NUMBER	LENGTH	BLADE SIZE WIDTH	THICKNESS	TEETH PER INCH	MACHINE LISTING
113473	5' 4-1/2	1/2	.025	10	Rigid 945
113474	5' 4-1/2	1/2	.025	14	Rigid 945
113477	5' 4-1/2	1/2	.025	18	Rigid 945

## "POWER SCRAPER"

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



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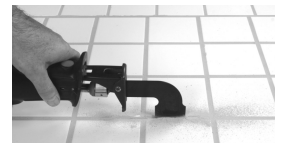
**Uses include:** Linoleum, tough glue, drywall mud, paint, and rubber-back carpet. Made from carbon steel. Blade can be sharpened with any conventional sharpener. Not intended for concrete demolition.

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.



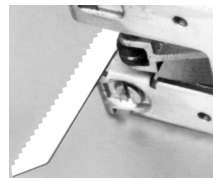
PART NUMBER	JOINT SIZE INCHES
114571	1/16 - 3/16
114572	3/16 - 3/4

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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

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

## 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



Numbers in assortment

113438	113441	114498
113439	114496	
113440	114497	

# 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 used in remodeling and demolition work
114477	12 x 3/4 x .050	6		Wood*, all composition material
114478	6 x 3/4 x .035	6		Wood*, compositions, plastic, cast aluminum & non-ferrous metals
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

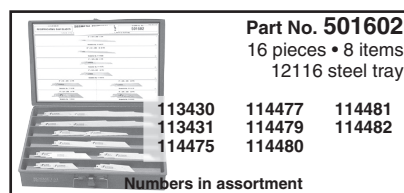
- Bi-metal construction.
- Matrix II type alloy high speed steel cutting edge (8% cobalt edge).
- Tooth hardness Rc 65-66.
- Precision teeth.

### 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.

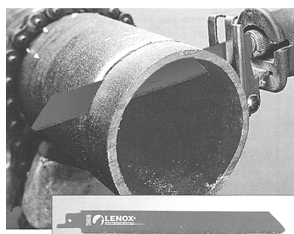
\*Including nail-embedded wood.

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.



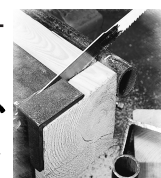
PART NUMBER	LENGTH x WIDTH x THICK. INCH	CUTS	DESCRIPTION	TEETH PER INCH	QTY
114535	6 x 3/4 x .050	Curves/Contours	Contour Back	6	1
114536	6 x 3/4 x .050	Straight	Straight Back	6	1
114537	8 x 3/4 x .050	Straight	Straight Back	3	1

## 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.

PSS121610

PART NUMBER	PACKAGE QUANTITY	LENGTH / TPI
114460	3 pk.	6" 10 TPI
114461	20 pk.	6" 10 TPI
114462	3 pk.	9" 10 TPI
114463	20 pk.	9" 10 TPI
114464	3 pk.	12" 10 TPI
114465	20 pk.	12" 10 TPI

PART NUMBER	PACKAGE QUANTITY	LENGTH / TPI
114220	3 pk.	6" 14 TPI
114221	20 pk.	6" 14 TPI
114222	3 pk.	9" 14 TPI
114223	20 pk.	9" 14 TPI
114224	3 pk.	12" 14 TPI



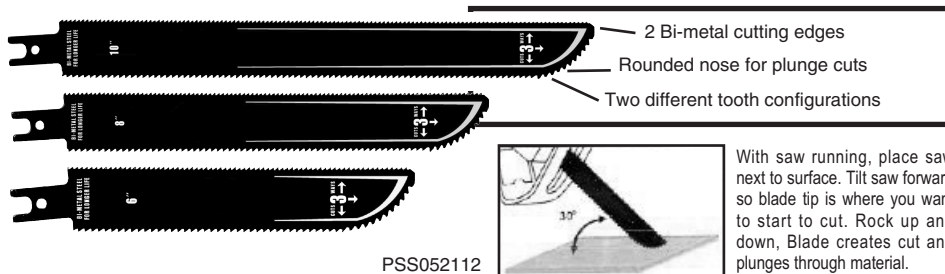
## TRIPLE EDGE RECIPROCATING SAW BLADES

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.

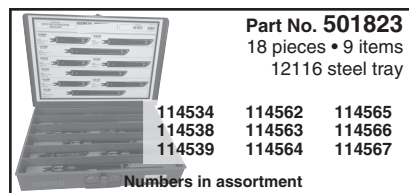
- Cuts wood, sheet metal, MDF, plastic and steel pipe.
- Two pronged tang for stability and control.



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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

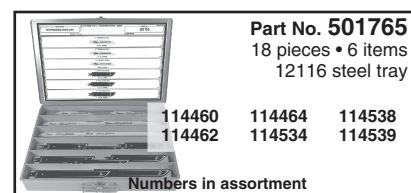


Part No. 501823  
18 pieces • 9 items  
12116 steel tray

114534 114562 114565  
114538 114563 114566  
114539 114564 114567

Numbers in assortment

## FIRE & RESCUE and TRIPLE EDGE RECIPROCATING SAW BLADE ASSORTMENT



Part No. 501765  
18 pieces • 6 items  
12116 steel tray

114460 114464 114538  
114462 114534 114539

Numbers in assortment

## LAZER RECIPROCATING SAW BLADES

For heavy metal cutting.



- 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.



- 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.

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.



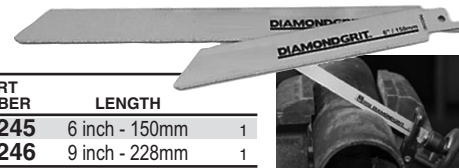
# SAW BLADES

## DIAMONDGRIT™ 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.

**Long Life  
& Fast  
Cutting**

PART NUMBER	LENGTH	
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

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## 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

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## 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

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## 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.



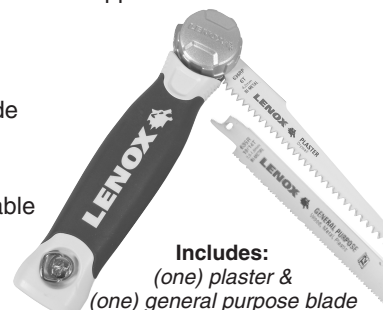
PART NUMBER	DESCRIPTION	TEETH PER INCH
114541	Handle & 18" Blade	10
114544	18" Replacement Blade	10



## 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

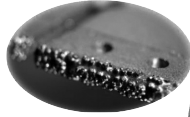
**Includes:**  
(one) plaster &  
(one) general purpose blade

# SAW BLADES

## DIAMOND<sup>®</sup> 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.



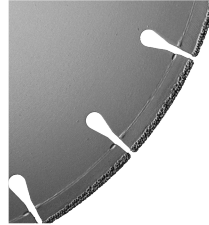
PSS112614

Part No. 815083

Use on high speed gas cut-off saws

## DIAMOND<sup>®</sup> 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<sup>™</sup> CIRCULAR SAW BLADES



The secret to the Morse Metal Devil's ability to quickly and smoothly cut through tough metals lies in it's 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<sup>™</sup> 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<sup>™</sup> 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.

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>			
900980	1 inch	9 inch	80
<b>5,800 rpm</b>			
972560	5/8 inch	7-1/4 inch	60
900754	20 mm	7 inch	54
900860	20 mm	8 inch	60

### Applications: Steel

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

Metal Devil<sup>®</sup> Blades Are Carbide Tipped



## CONSTRUCTION SERIES CIRCULAR SAW BLADE

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

PSS110418



Max 8,300 rpm



- 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
900730	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

### 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

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



- 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. INCHES	SHANK DIA. 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. INCHES	SHANK DIA. 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. INCHES	SHANK DIA. 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.



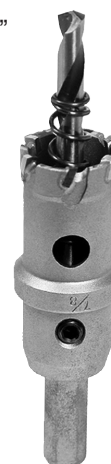
## DEEPHOLE CARBIDE TIPPED TYPE CHD-AG HOLE CUTTERS MAGNUM SUPER PREMIUM

PART NUMBER	DIA. INCHES	SHANK DIA. 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. INCHES	SHANK DIA. 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. INCHES	SHANK DIA. 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/SHANK	DIA.	OVERALL LENGTH	EXT. LENGTH
114007	3/8	7/8	6-1/4	5
114008	1/2	7/8	6-1/4	5



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



# ROTABROACH® CUTTERS

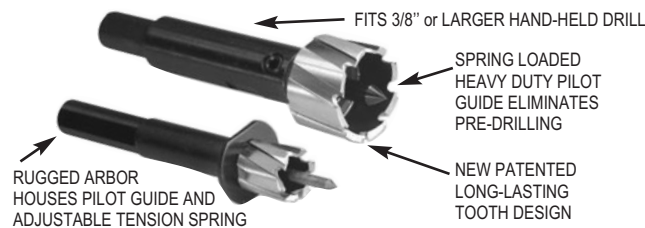
## ROTABROACH® CUTTERS

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.

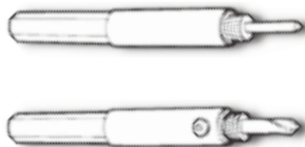
A spring-loaded pilot guide in arbors eliminates predrilling. The cutters are designed to prevent chip clogging.

- 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.



## 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

## INDIVIDUAL CUTTERS



Use Arbor,  
Part No. 113026

PART NUMBER	DIA. INCHES	DECIMAL EQUIVALENT
113489	1/4	.2500
113490	5/16	.3125

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

Quality Shows...



**NO deforming of stock, jagged edges or out of round holes**

1. New Twist Drill
2. New Hole Saw
3. Used Rotabroach® Cutter

## GENERAL PURPOSE KIT - 113485

Contains:

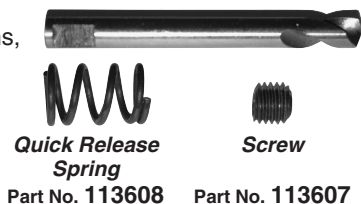
- 1 ea. arbor to fit 1/4", 3/8", & 1/2" chucks
- 1 ea. spring loaded pilot guide & center punch
- 1 ea. allen wrench to adjust spring tension
- 1 ea. extra pilot, stop and washer
- 1 ea. 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", & 3/4" cutters
- 1 ea. sturdy plastic case



## 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.



**Pilot Drill**  
Part No. 113606



**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

**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

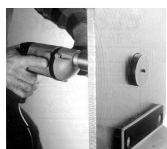
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# HOLE SAWS and ACCESSORIES

## BI-METAL HOLE SAWS

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

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



GENERAL and  
INDUSTRIAL  
MAINTENANCE



PLUMBING



LOCKSMITHS

Also used by Electrician's  
and Automotive Shops.



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

Easy as:



**LENOX®**  
Speed Slot  
10% TALLER  
THAN  
PREVIOUS  
MODELS

PART NO. STANDARD CUT HOLE SAW	DIA. INCHES	DIA. MM	PART NO. ARBOR	PART NO. STANDARD CUT HOLE SAW	DIA. INCHES	DIA. MM	PART NO. ARBOR
114505	5/8	16	113451, 480 or 481	113462	2-1/2	63	113482 or 498
113452	3/4	19	113451, 480 or 481	114506	3	76	113482 or 498
113453	7/8	22	113451, 480 or 481	114507	3-1/8	79	113482 or 498
113454	1	25	113451, 480 or 481	114508	3-1/4	83	113482 or 498
113455	1-1/8	29	113451, 480 or 481	114509	3-1/2	89	113482 or 498
113456	1-1/4	32	113482 or 498	114510	3-5/8	92	113482 or 498
113457	1-3/8	35	113482 or 498	114511	3-3/4	94	113482 or 498
113458	1-1/2	38	113482 or 498	114512	4	102	113482 or 498
113459	1-3/4	44	113482 or 498	114513	4-1/8	105	113482 or 498
113460	2	51	113482 or 498	114515	4-1/2	114	113482 or 498
113463	2-1/8	54	113482 or 498	114516	4-3/4	121	113482 or 498
113461	2-1/4	57	113482 or 498				

PSSB070912

## 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.

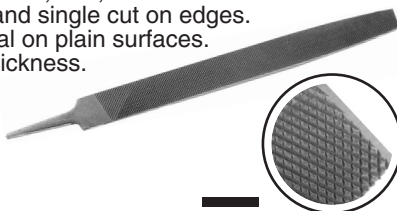
501771  
shown



## 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.

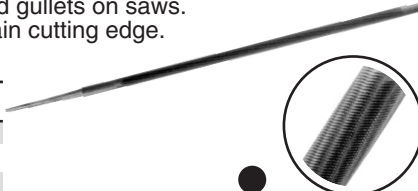
PART NUMBER	LENGTH INCHES
313324	6
313325	8
313326	10



## ROUND CHAIN SAW

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

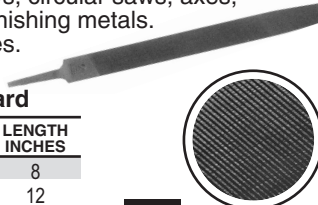
PART NUMBER	LENGTH INCHES
313309	6 x 5/32
313343	8 x 3/16
313344	8 x 7/32



## MILL

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

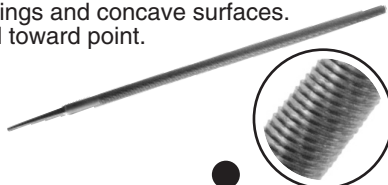
Smooth		Bastard	
PART NUMBER	LENGTH INCHES	PART NUMBER	LENGTH INCHES
313311	8	313337	8
313312	10	313339	12



## ROUND BASTARD

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

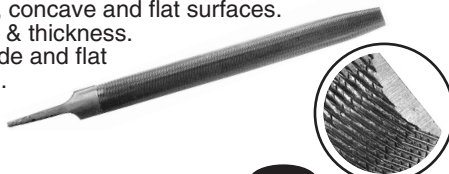
PART NUMBER	LENGTH INCHES
313332	4
313334	8
313335	10



## HALF ROUND BASTARD

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

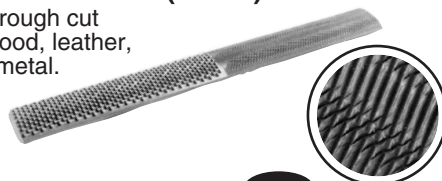
PART NUMBER	LENGTH INCHES
313328	8



## SHOE RASP (4 IN 1)

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

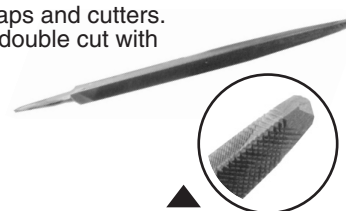
PART NUMBER	LENGTH INCHES
313308	8



## THREE SQUARE

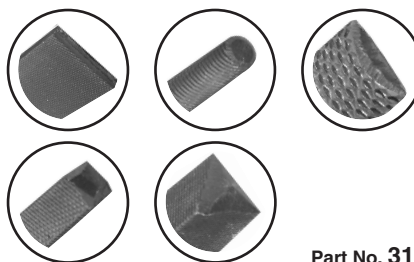
- Used for internal angles more acute than right angles and filing of taps and cutters.
- Triangular cross-section, double cut with sharp edges.

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.



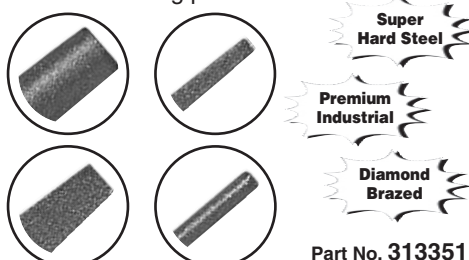
Part No. 313350



## DIAMOND FILE SET

PSS071817

- 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	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.

## HEAVY DUTY SCRAPER



Part No. 213279

PART NUMBER	REPLACEMENT BLADES 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

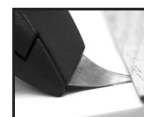
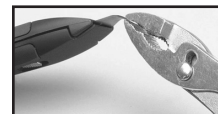
## PREMIUM UTILITY BLADES

### The Only Bi-Metal Utility Blade

- Up to 3x the life of carbon blades.
- Bi-metal patent-pending design.
- Safe, shatter-resistant blade.
- Double-knotched - 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 strippage.
- 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

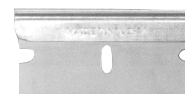
- Industrial quality.
- Heavy gauge.
- Specially ground sharp, long lasting edge.
- Fits most knives & inspection sticker scrapers available today.
- Packed in dispenser tray.

.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 & 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



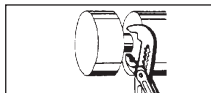
# PLIERS

## COBRA PLIERS

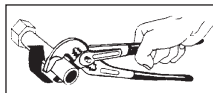
- Self-gripping jaws produce a powerful and safe grip, eliminating the danger of slip-off during use.
- Effortless push button release by thumb pressing instead of cumbersome handle locking.
- Special safety stop prevents hands from pinching.
- Eliminates nut burring and knuckle busting. An active contribution 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.

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

The Most Versatile  
Pliers Available  
w/Unlimited Apps.



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 No. 113500  
4PC. COBRA PLIER SET  
7", 10", 12" & 16" sizes

PSS012714 &  
PSSB020316  
PSSBKNIPX090220

## 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.
- Precision made for greater accuracy.
- Professional quality.
- 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

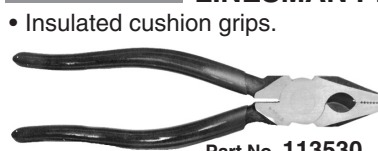
## DIAGONAL CUTTING PLIERS



Part No. 113529

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

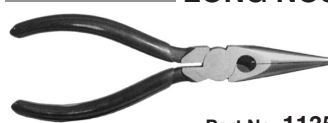
## LINESMAN PLIERS



Part No. 113530

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

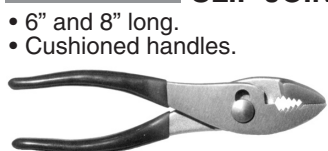
## LONG NOSE PLIERS



Part No. 113528

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

## SLIP JOINT PLIERS



- 6" and 8" long.
- Cushioned handles.
- Wide jaw capacity.
- Drop forged alloy steel.

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

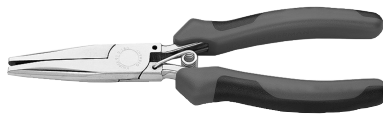
Application Areas: Air Intake, Cooling, Charged Air, Water Return Flow, Thermostat, Fuel & Heating

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



# PLIERS

## HOG RING PLIERS



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

**SPECIAL GROOVES SECURES & POSITIONS CLIPS CORRECTLY**

PSSB122016

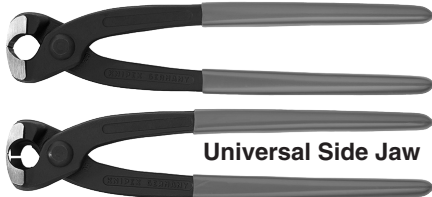


**Use for repairs to car seats, new seat covers, replace sensors or heating mats.**

- 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.

## 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

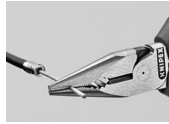
PSSB122016



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

**SLIM GRIPS**

**COMFORT GRIPS**



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

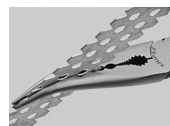
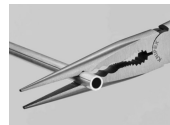
- Securely grips flat parts.
- Milled groove in gripping area.
- Permits nails, pins, bolts & small parts to be held & pulled.
- Easy cutting due to high leverage joint.
- Cutting edges for soft, medium-hard and hard wire.
- Long service life and stable tips.
- Forged from high grade tool steel, manifold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



**Straight blades**



**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



Part No. 113504 (10" overall length)

25 ADJUSTMENT POSITIONS  
WITH THE PUSH OF A BUTTON

VIDEO  
AVAILABLE



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



Part No. 113658 (7-1/4" overall length)  
1/8"-1-3/4" opening

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

VIDEO  
AVAILABLE



CLOSE UP VIEW

## COMBINATION PLIERS

Black atramentized pliers with plastic coated handles.

- Use on medium hard wire, hard wire, copper cable and multistranded 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)



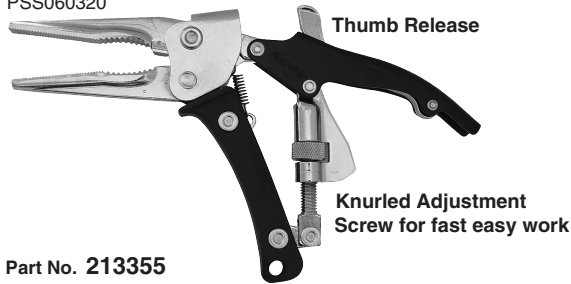
CLOSE UP VIEW

PSSB020316

# PLIERS

## UNIVERSAL LOCKING PLIERS

PSS060320



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

PSS080217.113031



- 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)

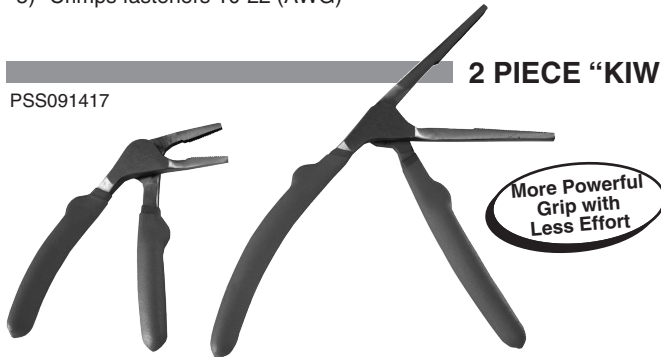
10" long nose pliers with crimping, cutting, wire stripping, and fastener extraction functions.

- 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

PSS091417



- Includes 6" short nose & 8" long nose "Kiwi" pliers.
- Needle-nose pliers at an angle.
- Better hand alignment provides a clear line of sight.
- Curved handles fit your hand comfortably.
- Internal spring opens the pliers jaws.
- Made from heat treated long lasting quality steel.

Part No. 113032

## HIGH LEVERAGE FLUSH CUTTER

PSSB090418

Easy flush cutting of plastic components and soft metals.

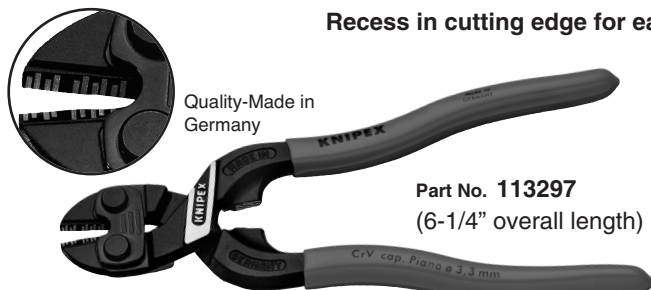


Part No. 113586 (8" overall length)

- 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.



PSSBKNIPLEX090220

- 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 lasered 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

## WISE-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

## WISE-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

## WISE-GRIP® CURVED JAWS – LOCKING

With Wire Cutters



PART NUMBER	LGTH	JAW THICK	JAW ADJUST	REPLMNT SPRINGS
113382	10"	3/8"	1-7/8"	---
113383	7"	5/16"	1-5/8"	113397

PART NUMBER	LGTH	JAW THICK	JAW ADJUST	REPLMNT SPRINGS
113384	5"	1/4"	1-1/4"	113398

## WISE-GRIP® LOCKING “C” CLAMP

Long Reach “C” Clamp  
Length: 18"  
Jaw adjustment: 7"

Replacement Springs Available  
Part No. 113399



Part No. 113389

## WISE-GRIP® LOCKING “C” CLAMP

Regular “C” Clamp  
Length: 11"  
Jaw adjustment: 3-3/4"



Part No. 113390

## WISE-GRIP® LOCKING “C” CLAMP

Mini “C” Clamp  
Length: 6"  
Jaw adjustment: 2"

Replacement Springs Available  
Part No. 113398



Part No. 113391

## WISE-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

## WISE-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.

- Adjustable toggle joint clamp guarantees the highest clamp force.
- Compact design 3-1/2" long, weighs 2-1/2 ounces.
- Works in extremely small spaces.
- Made of heat treated aircraft aluminum alloy.
- One handed operation. Just adjust, clamp & release.
- Resistant against welding splashes.
- Fits in the palm of your hand.

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

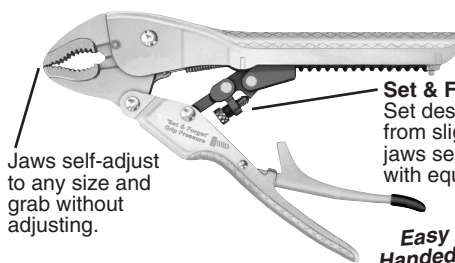


Grab Thin  
Without Adjusting!!

Self-Adjusting Locking Pliers Automatically Locks On Any Size



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

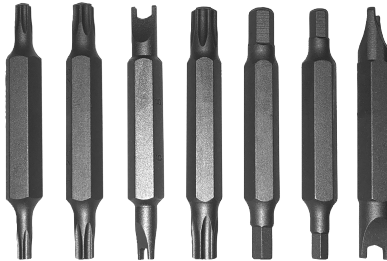
Used by: electricians, locksmiths, telephone technicians, maintenance & prison facilities.



Part No. 213153

PSS050719

- Alloy steel shaft.
- S2 steel bits.
- Patented quick change bit system.
- Industrial quality double-ended bits.
- High impact Triax housing.
- 1/4" hex drive.



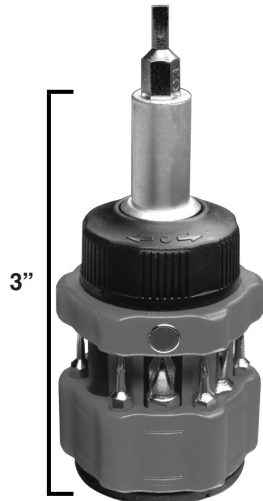
INCLUDES 7 DOUBLE END BITS 1/4" HEX x 2" OAL:

	1/8" Hex Pin 9/64" Hex Pin		#10 Torx® Pin #15 Torx® Pin
	5/32" Hex Pin 3/16" Hex Pin		#20 Torx® Pin #25 Torx® Pin
	#6 Spanner #8 Spanner		#27 Torx® Pin #30 Torx® Pin
	#10 Spanner #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



- 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.

Part No. 213156

# SCREWDRIVERS

## ULTRA DRIVER - PROFESSIONAL MULTI-TOOL

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

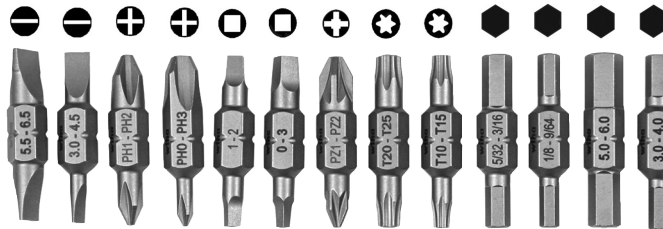
- Quick release locking bit holder.
- High torque cushion grip ergonomic handle.
- Spring loaded cartridge for fast access.
- "Grab & Go" with 26 assorted tips.
- Double ended bits.
- Pro quality driver - made in Germany.
- Hardened tempered CVM tool steel bits.
- Precision machined for an exact fit.



## ULTRA DRIVER - TRADESMAN

**26**  
**one**

**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

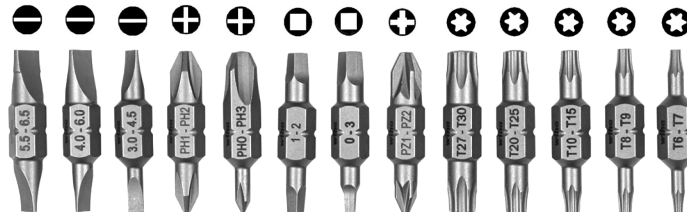
**Metric Hex:** 3.0 & 4.0, 5.0 & 6.0mm

**Inch Hex:** 1/8" & 9/64", 5/32" & 3/16"

## ULTRA DRIVER - TECHNICIAN

**26**  
**one**

**wiha**  
Tools that work for you



Part No. 213151

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

T20 & T25, T27 & T30

**Phillips:** #0 & #1, #2 & #3

**Pozidriv:** #1 & #2

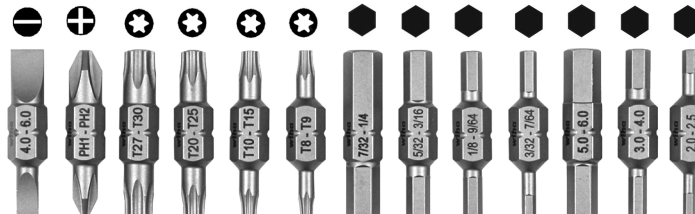
**Square:** #0 & #1, #2 & #3

**Slotted:** 3.0 & 4.0, 4.5 & 5.5, 6.0 & 6.5mm

## ULTRA DRIVER - INDUSTRIAL

**26**  
**one**

**wiha**  
Tools that work for you



Part No. 213152

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

T27 & T30

**Phillips:** #1 & #2

**Slotted:** 4.0 & 6.0mm

**Metric Hex:** 2.0 & 2.5, 3.0 & 4.0,

5.0 & 6.0mm

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

5/32" & 3/16", 7/32" & 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.

## PRECISION SCREWDRIVERS

Electronics service and assembly, medical and industrial maintenance and automotive.



- Precision tolerance black oxide tips.
- Long life chrome-vanadium-molybdenum tool steel blades.
- Comfortable tapered handles molded to blades.
- Precise turning and control with finger tip rotation cup.

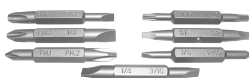
### 7 PIECE COMBINATION SET

Part No. 214003

Contains: 1/16 x 1-9/16, #00 x 1-5/8, #0 x 2,  
5/64 x 2, 3/32 x 2, #1 x 2-3/8 Phillips.  
1/8 x 2-3/8 Slotted and



## 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

- 3 position ratcheting choose forward, reverse, or stationary.
- Industrial strength heat treated S-2 steel bits for maximum durability and longer life.
- Patented ball bearing on each double ended bit locks on tight to keep bits secure.
- A slight turn of the spring loaded bit selector knob opens the chamber for easy access & storage.

## 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

## MAGNETIZER/DEMAGNETIZER

Ideal for magnetizing tools and small parts instantly.



Part No. 213697

- Magnetize your own tools and parts on the job.
- Powerful permanent magnet for extended life.
- Shatterproof box is made from durable ABS plastics.
- Fits ideally into any tool box only 2" x 2" x 1".
- Simply lead tool or part through the lower square opening marked (+) For magnetizing and upper opening marked. (-) For demagnetizing.

## 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.

Individually tested to 10,000 volts



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:

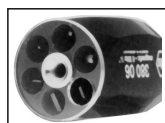
#1 x 4" phillips 3/16 x 6" electricians round  
#2 x 4" phillips 1/4 x 1-1/4" mechanics stubby  
1/4 x 4" mechanics round #2 x 1-1/4" phillips stubby  
1/4 x 6" mechanics round #0 x 2" phillips pocket clip  
3/16 x 3" electricians round 1/8 x 2" instrument pocket clip



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



Individually tested to 10,000 volts



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

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. 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

## SQUARE RECESS

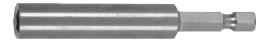


PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114336	1	1
114337	2	1
114338	3	1

Part No. 114335 - 1/4"  
Hex Shank Bit set:  
1 ea. of No. 1, 2 & 3 bits

## 1/4" HEX SHANK INSERT BIT HOLDER

- 7/16" body.
- 3" long.



Part No. 114353

## BIT HOLDERS



Part No. 114352  
Fits 5/16" Hex 3/8" Drive



Part No. 114351  
Fits 1/4" Hex 1/4" Drive

## MAGNETIC HEX DRIVERS

PART NUMBER	HEX HEAD SIZE
53510	1/4
53511	5/16
53512	3/8

- 1/4" hex drive for hex head screws & machine nuts.
- 1-3/4" length.



## SLOTTED POWER BITS



PART NUMBER	SCREW SIZE	BLADE WIDTH (IN.)	OVERALL LENGTH (IN.)
114330	8-10	1/4	1-5/16
114331	10-12	9/32	1-5/16
114332	14-16	5/16	1-5/16

Part No. 114329 - 1/4"  
Hex Shank Bit set:  
1 ea. of No. 6-8, 8-10 & 10-12 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.

X-Hard Manganese Phosphate

Quick Release Hex Shank

PSS110419

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

# POWER IMPACT BITS, HOLDERS and SETS



Spirals Absorb Impact

- 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



PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114253	#1	1
114254	#2	1
114255	#3	1

## TORX INSERT BITS



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



PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114259	#1	1

## SLOTTED INSERT BITS



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, #1,2,3 x 2" Phillips, #2 x 2" Square, Mag. Bit Holder



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

## PHILLIPS POWER BITS



PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114256	#1	2
114257	#2	2
114280	#2	2-3/4
114281	#2	3-1/2
114258	#3	2
114282	#3	2-3/4
114283	#3	3-1/2

## TORX POWER BITS



PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114288	25	2
114268	30	2
114269	40	2

## SQUARE POWER INSERT BITS



PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114260	#1	2
114289	#2	3-1/2
114290	#3	3-1/2

## 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 0,1,2R,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® 6,7,8,9,10,15,20,25,27,30,40,45,50
  - HEX 5/64,3/32,7/64,1/8,9/64,5/32,3/16,7/32,1/4,5/16
  - SLOTTED 3-4,5-6,6-8,8-10,10-12,12-14
  - 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"
- QUICK RELEASE BIT HOLDER  
SOCKETS 1/4,5/16,3/8,7/16,1/2  
1/4" FEMALE HEX BIT RATCHET



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



Spirals Absorb Impact

- 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 6" - 2, 3
SLOTTED	—	1" - 4-5, 6-8, 8-10, 10-12
SQUARE	□	1" - 1, 2, 3 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 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

Replaceable tips



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".
- Recoilless - will not bounce.
- Lead shot filled head - increases striking power by 30%.
- Polyurethane yellow tips - preserves sensitive surfaces & edges, shatterproof.

Sheet metal shops, repair shops, machine tools and gear box construction, tire shops

## RUBBER MALLETS



PART NUMBER	HANDLE TYPE	MALLET COLOR	LBS. RATED
113525	Wooden	Black	2

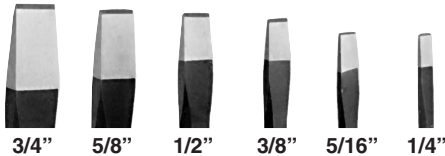
## HOLD-DOWN CLIP



- 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	PART NUMBER	DIAMETER STEEL	LENGTH
113360	1/4	5	113363	1/2	6
113361	5/16	5	113364	5/8	6-1/2
113362	3/8	5-1/2	113365	3/4	7

## BALL PEIN HAMMERS

- Compression wedged hickory handle for added safety.

- High quality forged steel For strength & long life.



PART NUMBER	HEAD WEIGHT	OVERALL LENGTH
813741	4 oz.	10-1/4
813743	12 oz.	12-3/4

PART NUMBER	HEAD WEIGHT	OVERALL LENGTH
813744	16 oz.	13-3/4
813745	20 oz.	15

## CLAW HAMMER



Part No. 113527

- 13" overall length.
- 16 oz.
- Drop forged.
- Hardwood handle.

## PIN PUNCHES



- Forged high grade steel.
- Hardened & tempered.
- Black lacquer finish.

PART NUMBER	POINT	DIA. STEEL	LENGTH	PART NUMBER	POINT	DIA. STEEL	LENGTH
113368	1/8	5/16	6	113370	3/16	1/2	6
113369	3/16	3/8	6	113371	1/4	1/2	6

## CENTER PUNCHES



- Forged high grade steel.
- Black lacquer finish.
- Polished heads & tempered.

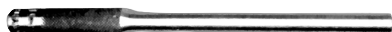
**NOTE:** Always use safety goggles when using any chisel or punch.

PART NUMBER	DIAMETER STEEL	LENGTH	PART NUMBER	DIAMETER STEEL	LENGTH
113375	1/4	3-1/2	113377	1/2	6
113376	3/8	5			

## 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.



Part No. 113273

Includes 3 of each Orange & 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



PSS072414

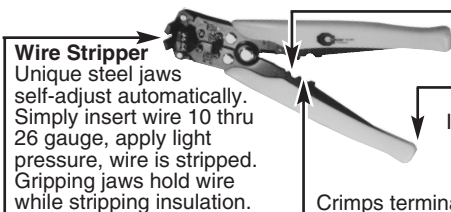
**Orange Wedges** are made of a softer Polyethylene Material 5230, very slick and smooth surface for a gentle prying applications.

**Black Wedges** are made of a very High Impact Ductile Polycarbonate Material. Designed for tough prying applications.



# WIRE CRIMPERS, STRIPPERS, CABLE CRIMPERS and CUTTERS

## WIRE STRIPPER



**Wire Cutter**  
Precision machined blades cut wire easily & smoothly.

**Handles**  
Insulated plastic for safety and reduction of hand fatigue.

**Crimper**  
Crimps terminals 22 thru 10 gauge neatly & tightly.

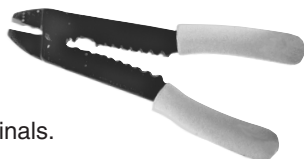
- Completely automatic.
- Effortlessly strips all 10 thru 26 gauge wire with no time consuming adjustments.
- Combination wire stripper, crimper and wire cutter. Buy one tool instead of three !!

**WIRE STRIPPER**  
Part No. 213375

*There is no tool that strips wire faster!!*

## 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

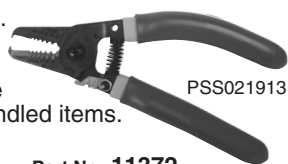
- Crimp terminals from 4 ga. (6ga. flared) through 4/0 ga.
- Over 1,000 lbs. of crimping pressure.
- Die codes appear on the tool. Matches crimping system die codes, size and polarity.
- Rotating dies to match application. No separate dies to change.
- 25" overall length.



**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.

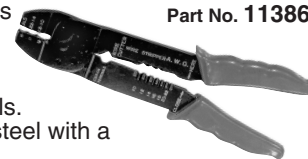
- Hardened steel stripping blades.
- Lock keeps wire stripper in closed, compact position for storage.
- Also works as a wire cutter.



Part No. 213552

## 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. 11386

## ROTARY CABLE STRIPPER

- Adjustable for cable sizes 8 ga. up to 4/0 ga.
- Heavy duty design - long lasting and safer to use.
- Precise depth control strips clean - will not nick or weaken conductors.



Rotate tool around cable.



Raise cable guide. Place cable inside.



Remove insulation.



Part No. 213249

## 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



# CRIMPERS and ELECTRICAL SERVICE TOOLS

## ELECTRICIAN SHEARS

PSS091517

- 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

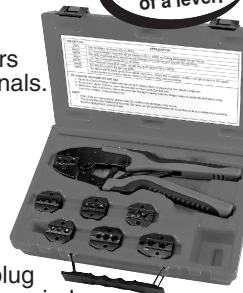
6-1/8" Overall Length



## 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.



Easily change with the press of a lever.

Part No. 213386

PSS1026103

## VOLTAGE-SENSING PROFESSIONAL GRADE WIRE STRIPPER

Built-in voltage detector senses AC voltage from 50-600 V AC

2 popular tools in one!

BEEP!  
BEEP!  
BEEP!



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.

### 4 CRIMP NESTS

- 8 AWG, Red
- 12-10 AWG, Yellow
- 16-14 AWG, Blue
- 22-18 AWG, Red



Part No. 213550



## 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.

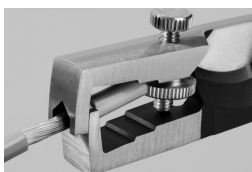


Part No. 114374

# 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.



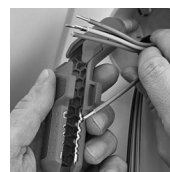
PSSB090418



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

## 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

## 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

## GROUNDING EXTENSION CORDS

- 3 wire grounded extension.
- 16/3 gauge wire.
- Molded vinyl cap.



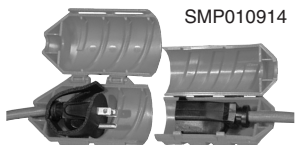
PART NUMBER	LENGTH (FEET)	AMPS
11115	25	13
11116*	50	13

\*Flat cable

## CORD CONNECT™

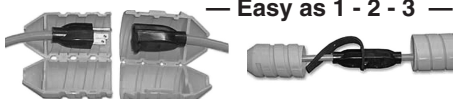
Eliminates disruptive disconnects while professionals work with power tools or extension cords.

- 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.



SMP010914

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.

- Ind. No. SL-103.
- Ultra bright white.
- 13w for 120 volt lights.



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

Uses (3) AAA batteries (#812900 not included)

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

Uses (3) LR44/AG13 batteries (#812976 included)

Part No. 812956  
Size: 1-1/8" W x 1-1/8" L



# TROUBLE LIGHTS and ACCESSORIES

## MINI FLUORESCENT TROUBLE LIGHT

360° swivel hook



Part No. 311206

- 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



Part No. 11108

- IMPACT RESISTANT.
- UL approved.
- Phenolic handle includes 3 wire socket and switch.

## STANDARD TROUBLE LIGHT



Part No. 11101  
25' cord

Part No. 11102  
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



Part No. 11107

- UNIVERSAL.
- Heavy galvanized steel.
- Fits all handles.

## BATTERY OPERATED ROTATING / MAGNETIC BASE LED WORK LIGHTS



**NEW COB Technology**

Part No. 311240  
3 SMD LED'S  
Head Dia.: 2-3/4"  
Base Dia.: 2"



**Brighter Light Than Before**

Part No. 311245  
6 SMD LED'S  
Head Dia.: 3-3/4"  
Base Dia.: 2-5/8"

- 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.

PSS042312



## RECHARGEABLE ROTATING / MAGNETIC BASE LED WORK LIGHTS

- Sturdy aluminum housing.

- Head rotates to adjust the beam where it is needed.

- Strong magnetic base attaches to metal surfaces.

PSS042312

Part No. 311257  
300 Lumens  
3 SMD LED'S  
\*Includes a USB/wall charger



PSS042312

Part No. 311258  
500 Lumens-High  
200 Lumens-Low  
6 SMD LED'S  
\*Includes a USB/wall charger



**10 Watt LED for Maximum Brightness**

Part No. 311259  
750 Lumens-High  
300 Lumens-Low  
\*Includes a USB/wall charger



PSS042312

## RECTANGULAR INSPECTION MIRROR with three rotating LED lights



Part No. 311241

- 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.

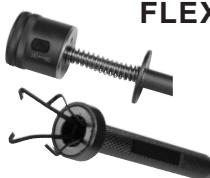
## LED PENLIGHT MAGNETIC PICKUP TOOL



Part No. 311242

- 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



Part No. 311243

- 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.

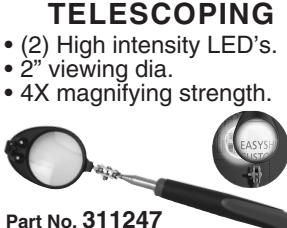
## LED LIGHTED 4 PIECE INDIVIDUAL HOOK and PICK SET



Part No. 311246

- **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



Part No. 311247

- (2) High intensity LED's.
- 2" viewing dia.
- 4X magnifying strength.
- 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.
- Pro Series Heavy Duty Reel
- 50 ft., 18/2 wire cord.

For rpl. bulb  
use Part No.  
311224



Part No. 311228

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

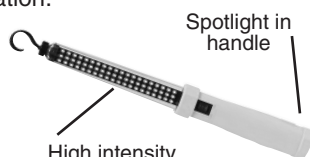
- Yellow poly. handle with 10 amp grounded receptacle and on/off switch.
- Yellow flame retardant polypropylene handle.



Part No. 311209

## RECHARGEABLE DUAL-POSITION MAGNETIC LED WORK LIGHT

- 66's LED's for brilliant illumination.
- LED's are cool to the touch, 35,000 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.



Spotlight in  
handle

High intensity  
floodlight

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.

For rpl. bulb  
use Part No.  
311224



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



Part No. 311222

## 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



- 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



- 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

Part No. 113035 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

PSS100419.311255

- 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.

## 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).

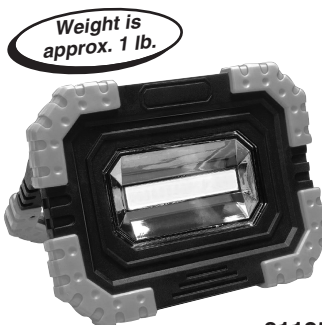
## STANDARD FLASHLIGHT BULBS



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



Part No. 311256

PSS090118

Weight is approx. 1 lb.

- 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(REV093019)



Weight is 1.23 lbs.

- 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.

### \*COLORS AVAILABLE:

Part No. 311254G (GREEN)

Part No. 311254R (RED)

Part No. 311254O (ORANGE)

Part No. 311254B (BLUE)

\*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.



Includes  
Magnetic Base

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

Part No.  
812917

PSS100214

Magnetic  
Base

9" L x 1-3/4" W x 1" D

820  
LUMENS

8 Hours

Li-ion

- 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

180  
LUMENS

4.5 Hours

Li-ion

IP66



## LED WORK LIGHTS

Latest  
technology

PRO SERIES product

### 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.



Ratcheting  
Head Feature

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.



Ratcheting  
Head Feature

PSS121014

1500  
LUMENS

Part No. 311253



# BATTERIES

## ALKALINE LEAK PROOF INDUSTRIAL BATTERIES

### DURACELL® LANTERN BATTERIES



**812907** 6  
6 Volt, 20AH\*

\*AMP/Hours

### DURACELL® INDUSTRIAL CELLS



**812901** 12  
9 Volt

**812902** 12  
"D"size

**812903** 12  
"C"size

**812904** 24  
"AA"size

**812900** 24  
"AAA"size

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** **812985**

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** 2  
"A23" 12V alkaline

### "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** 2  
"N" 1.5V alkaline

### 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** 3  
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.

### "3V" LITHIUM SIZE 123



Part No. **812977**  
"3V" lithium size 123

- Delivers maximum power and longevity.
- Advanced technology for todays electronic & digital devices.

(Sold Individually)

### 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** 5  
(CR1632) 3V lithium

### 12 VOLT LANTERN BATTERY



**RAYOVAC®**

- 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.



**TOP RATED RODS,  
MADE IN THE USA**



### WELDING RODS

NAME	DESCRIPTION	APPLICATION	1/16	DIAMETERS		
				3/32	1/8	5/32
<b>Cobra</b>	The ultimate electrode for welding all types of steels, without any danger of cracking or breakage. Ideal for "Stud Pull" applications.	Steel	---	818103 sold in 5lb. pack	818104 sold in 10lb. pack	818105
<b>Sidewinder</b>	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 sold in 10lb. pack	818114 sold in 10lb. pack	818115
<b>Combat</b>	Excels on rusty, greasy, poor fitting joints in all positions. Ideally suited for difficult maintenance repairs.	Steel	---	818123 sold in 10lb. pack	818124 sold in 10lb. pack	818125
<b>Torpedo</b>	Can gouge, bevel or cut all metals including stainless steels, aluminums and copper. No oxygen is required. Extra low smoke.	All Metal Cut, Groove & Gouge	---	---	818134 sold in 8lb. pack	818135
<b>Tomahawk</b>	Unique self lifting slag. Long shelf life. Excellent for joining dissimilar grades of aluminum.	Aluminum	---	818143 sold in 5lb. pack	818144 sold in 5lb. pack	818145
<b>Snakeye</b>	Electrode for joining dirty - contaminated cast irons and cast irons to steel. No Hazardous fumes. Crack resistant machinable welds.	Cast Iron	---	818163 sold in 10lb. pack	818164 sold in 10lb. pack	---
<b>Rescue</b>	Excellent all position capabilities. Extra low carbon content to resist pitting.	Stainless Steel	---	818173 sold in 5lb. pack	818174 sold in 10lb. pack	818175
<b>Phoenix</b>	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 Hard Facing	---	---	818184 sold in 10lb. pack	818185
<b>Harpoon</b>	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 sold in 10lb. pack	818195
<b>Stinger</b>	For higher strength steel structures that require toughness and crack resistance. Low temperature/low hydrogen/extra low moisture content is below .14%.	Steel	---	818203 sold in 10lb. pack	818204 sold in 10lb. pack	---
<b>Matador</b>	Use for severe abrasion and mild impact resistance on iron based parts. Tubular large diameter chromium carbide electrodes requiring very low amperage.	Tool Steel Hard Facing	---	DIAMETERS		
				1/4	3/8	1/2
			---	818404 sold in 10lb. pack	818406 sold in 10lb. pack	818408

### BRAZING RODS

NAME	DESCRIPTION	APPLICATION	1/16	DIAMETERS		
				3/32	1/8	5/32
<b>Falcon</b>	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 sold in 1/4lb. pack	818303 sold in 10lb. pack	---
<b>Defense</b>	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 sold in 10lb. pack	818314 sold in 10lb. pack	---
<b>Armor</b>	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 sold in 10lb. pack	---	---

**All rods sold in moisture proof packs.**



# WELDING

## PATRIOT STUD PULL ASSORTMENT



- Removes broken bolts, drill bits, taps, easy outs, studs & rusted screws.

**MADE IN THE USA**

Part No. 501745  
1 lb - 3/32"  
2 lbs. - 1/8"  
1 lb. - 5/32"  
12116 steel tray

PSS021814

- 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



**MADE IN THE USA**

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: CO2 and / or CO2 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
818286	.030	11 lbs.
818287	.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% CO2.

## GENERAL PURPOSE MIG WELDING WIRE



Tensile strength: 70,000 P.S.I.

PART NUMBER	DIAMETER	PER SPOOL
818283	.023	11 lbs.
818284	.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 CO2. 75% Argon - 25% CO2, or Argon - Oxygen Yields higher strength when Argon is the main shielding gas because less manganese and silicone is burned out.
- AWS Class - ER70S-6.

## ALUMINUM MIG WELDING WIRE



Tensile strength: 35,000 P.S.I.

PART NUMBER	DIAMETER	PER SPOOL
812831	.030	1 lb.

- 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

## 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



**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)

## 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

## WELDING BLANKETS



**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.

PART NUMBER	DESCRIPTION
412240	6 ft x 6 ft

**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.

## 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**

- 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.

Part No. 818014 for 14"

Part No. 818018 for 18"



**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.
<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>
B - Medium Green			



## 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

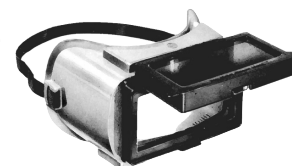
- Provides flash protection against infrared radiation.
- Worn under welding helmets.
- Adjustable temples.
- Green perforated side shields.
- Universal bridge.
- Durable ebony frame.
- Heat treated dark green glass lenses.
- Large 40mm eye size.



**Part No. 812544**

## FLIP FRONT GOGGLE

- Soft, flexible frame contains effective air circulation system.
- Flexible vinyl construction.
- Adjustable elastic head band.
- Fits over eye glasses.
- Hinged, lift-front door.
- 2" x 4-1/4" lens (Gold shade no. 5 included).
- Lens plate can be easily changed.



**Part No. 412226**

## 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.



\* Special gold reflective coated lenses.

PART NUMBER	SIZE INCHES	COLOR	MATERIAL	USE WITH PART NUMBER	QTY
<b>812539</b>	2 x 4-1/4	Clear-Cover	CR-39 cover plastic plate	In front of filter	6
<b>412223</b>	4-1/2 x 5-1/4	Clear	Cover plate	Lens all 2 x 4-1/4	3
<b>412222*</b>	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.

- 95/5 tin/antimony - Lead free, no harsh chemicals.
- Contains alloy solder - cleans, fluxes and tins at the same time.
- Fast and easy to use - cleaner, quicker joints with less solder waste, no black, bubbly residue.
- Use on all metals, except aluminum and stainless.
- Melt range of 360°F to 525°F.

LEAD FREE



Part No. 812690  
3 oz. net wt. jar

## PROFESSIONAL MODEL TS7000, SELF-IGNITING TORCH

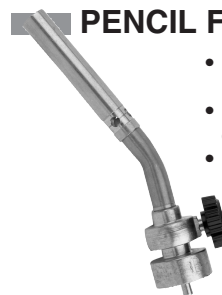
For soldering, brazing, heating, and paint removal.



- 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



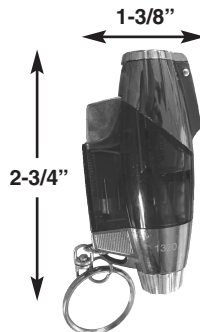
- Produces a 1/2" diameter pencil flame.
- Brass construction for durability.
- Fuel control knob.

Part No. 213351

**WARNING: ALWAYS** wear safety goggles, gloves and other appropriate safety items for protection.

## 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)

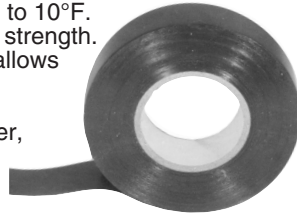


Part No. 412228

# TAPES

## 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.

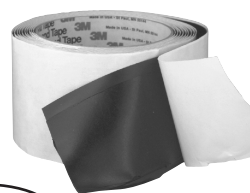


Part No. **812206**  
3/4" x 60'

## 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.



Will not shrink,  
crack & stays  
flexible

Part No. **812218**  
(1 roll) 2-1/2" x 10ft.

## 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 OAN22, File E17385)

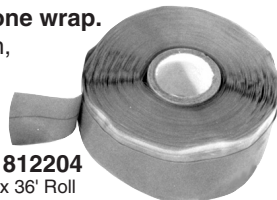


Part No. **812212**  
1/2" x 66'

## 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

PSS012916

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'

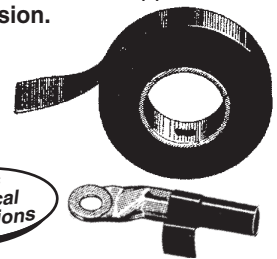
## LINERLESS SPLICING TAPE

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 INCHES x FEET
<b>812210</b>	3/4 x 15
<b>812211</b>	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.



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.

Part No. **211211**  
4 fl. oz.

Brush-on applicator lid

## 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"

### 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

PART NUMBER	SIZE (INCHES)	COLOR	QTY
812241	1 x 120	Black	6

## 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!

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.



PSS081210

Part No. 813263  
2.88 in. x 30 yds.  
COLOR: BLACK



PSS072715

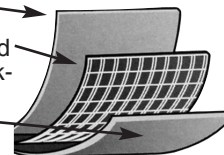
PART NUMBER	SIZE (INCHES/YARDS)	COLOR
813260	1.88 x 35	BLACK
813257	1.88 x 35	SILVER
813258	1.88 x 30	WHITE

• 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

- Tough All-Weather Shell
- Strong reinforced tight weave backing 17 mils thick
- Double-thick adhesive



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



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

## 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

PART NUMBER	SIZE (INCHES)	COLOR	QTY
812241	1 x 120	Black	6

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High quality tape used for repairing, sealing, waterproofing & reinforcing seams.



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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.
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- 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

**Part No. 813263**  
2.88 in. x 30 yds.  
COLOR: BLACK



PSS072715

PART NUMBER	SIZE (INCHES/YARDS)	COLOR
813260	1.88 x 35	BLACK
813257	1.88 x 35	SILVER
813258	1.88 x 30	WHITE

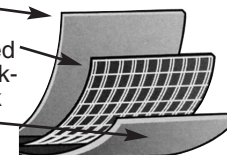
• Bonds • Protects • Holds • Repairs • Patches • Seals •

- 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"

- Tough All-Weather Shell
- Strong reinforced tight weave backing 17 mils thick
- Double-thick adhesive



## 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.

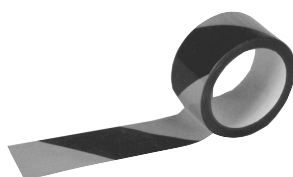
**Virtually Endless Uses:**  
Leather/Seat Cushions, Auto. Repair, Tarps/Awning Covers, Cracked Tail Lights, Cracked Smartphones and much more!

# 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

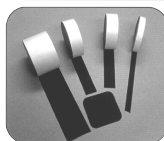
- Yellow and black stripe - universally recognized as caution & physical hazard.
- Pressure sensitive vinyl - sticks to any clean dry surface.
- Fade resistant.
- Temperature and abrasion proof, outlasts paint.
- Ready to use - no backing.

## 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



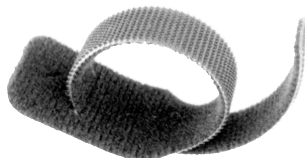
- Closed cell polyethylene carrier is resistant to freeze/cracking & condensation; essentially a flexible solid.
- Rubber based adhesive bonds immediately.
- Bonds to paper, aluminum, steel, glass, ceramic, rubber, cloth, ridged vinyl, painted surfaces, etc.

PART NUMBER	WIDTH INCH	THICKNESS INCH	LENGTH PER ROLL FEET
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.

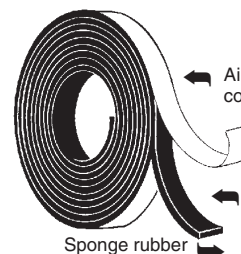
## KWIK-SEAL SPONGE RUBBER WEATHERSTRIP

Self-adhesive • Easy to use • Strong, durable bond  
Has a "memory" for tight, positive sealing,



Peel back tape

Press on it sticks!



Air tight cover

Pressure sensitive adhesive surface

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 RECLOSABLE FASTENING SYSTEM

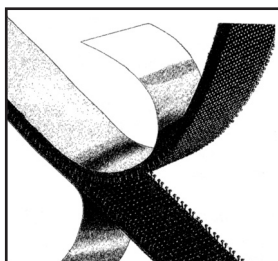
5 times more holding power than hook and loop fasteners.

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.

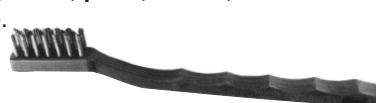


Part No. 812226

## 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.



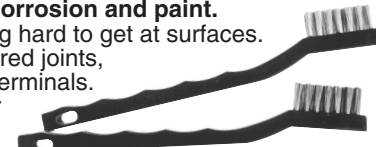
Part No. 213698 2

## 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 worksite or to leave on your tool box.

- Out performs cloth rags and other wipes.
- Holds six times it's weight in liquids.
- Sheet size 10" x 14".
- Economical, heavy duty, remarkably lint free.
- Handles tough messes like grease and oil.

### SCOTT® RAGS

200 rags per box

COLOR: WHITE

Part No. 415126



## ROLL HAND TOWELS

- White roll towels.
- Large 8" x 350 ft. per roll.

(CASE LOTS ONLY)

12 ROLLS PER CASE

Part No. 415145

### HEAVY DUTY

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.

10-1/4" x 12-3/4"

Part No. 415128

### HEAVY DUTY

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

- Lint free, white color.
- 13" x 15", 3 ply thickness.
- Two direction - reinforced - flat packed.
- Use with soap and water.
- Excellent on glass.



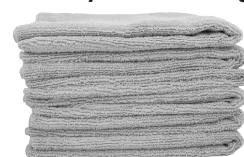
Part No. 415131

500 sheets per box

## MICROFIBER CLEANING CLOTHS

- Sheet size: 16" x 16".
- Thousands of polyester/polyamide blend, microscopic fibers pick up and hold dust, dirt and grime.
- Hypoallergenic, nonabrasive, lint free, green color cloths eliminate streaking & absorb nearly seven times their own weight in liquid.
- Machine washable.

All-Purpose Cleaning



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** **For 8" wide rolls only**  
Size: 11-1/2" W x 11-1/4" D x 13-1/2" H

## 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.

<b>COLOR: WHITE</b>	<b>COLOR: WHITE</b>
<b>Part No. 415112</b>	<b>Part No. 415116</b>
600 feet per roll	425 feet per roll
6 rolls per case	12 rolls per case

**Dispenser available separately, order Part No. 415150.**

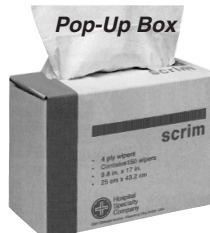
## BOUNTY® PERFORATED PAPER TOWEL ROLL

- Strong, quick-absorbing, two-ply.



**COLOR: WHITE**  
**Part No. 415118**  
56 sheets per roll  
30 rolls per case  
Sheet Size: 11" x 11"

## 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.

**COLOR: WHITE**  
**Part No. 415110**  
Jumbo Roll - 950 per roll  
Sheet Size: 12.5" x 13.4"

**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.

**COLOR: WHITE**  
**Part No. 415108**  
180 wipers per box  
Sheet Size: 12.5" x 16.8"

## 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

## 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

## 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

## WHITE KNIT T-SHIRT RAGS (RECLAIMED)



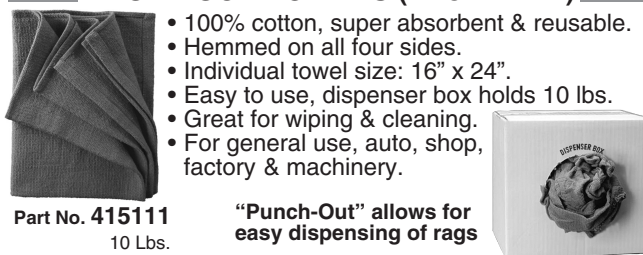
"Punch-Out" allows for easy dispensing of rags

Part No. 415102

25 Lbs.

- 25 lb. box contains 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.

## BLUE HUCK TOWELS (RECLAIMED)



Part No. 415111  
10 Lbs.

"Punch-Out" allows for easy dispensing of rags

- 100% cotton, super absorbent & reusable.
- Hemmed on all four sides.
- Individual towel size: 16" x 24".
- Easy to use, dispenser box holds 10 lbs.
- Great for wiping & cleaning.
- For general use, auto, shop, factory & machinery.

## TOILET TISSUE

- 2 ply.
- Soft and absorbent.
- 500 sheets per roll.



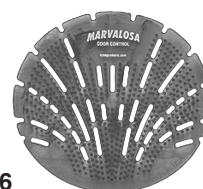
Part No. 415127  
96 rolls per case

## 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".

## JRT CORELESS JUMBO ROLLS



Part No. 415165 - Use dispenser Part No. 415166

- Meets EPA guidelines for post consumer waste with a minimum 45% post-consumer recycled waste.
- Also elemental chlorine-free (ECF) and will reduce packaging waste by 45% when compared to cored.
- White, high capacity 2-ply construction.
- 3.78" x 1000'.

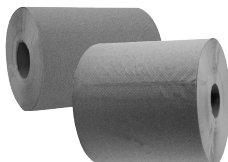
## IN-SIGHT LEV-R-MATIC TOWEL DISPENSER



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

- Designed primarily for hand-drying in washrooms.
- Both product & packaging have recycled content.
- Meets EPA CPG requirements.
- Embossed, 8" wide rolls with 2" core.
- Use dispenser, Part No. 415168

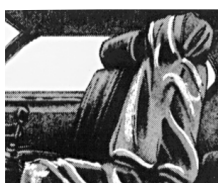
## BROWN KRAFT HARD ROLL TOWELS



Part No. 415167

- Natural, 8" x 800'.
- One-ply construction.
- Soft, premium towels.
- Includes 12 rolls of paper towels.
- Use dispenser, Part No. 415168

## SLIP-N-GRIP DISPOSABLE PLASTIC SEAT COVER



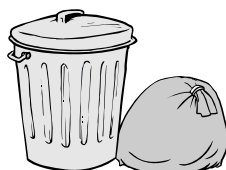
For bench/bucket seats

- 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



Part No. 415200 - 500 per case

- 24" x 23", 8-10 gallon capacity bags are made of .35 mil construction.
- Black.

## L-GRADE CAN LINERS



Part No. 415201 - 500 per case

- 24" x 32", 12-16 gallon capacity bags are made of .35 mil construction.
- Black.

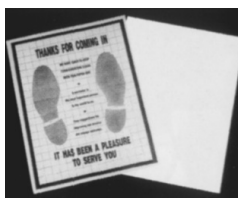
## KWIKEE™ SHOP BAGS



- 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



Part No. 214022

- The best of both worlds highly absorbent paper and won't soak through.
- 17" x 22" individual mats.
- 500 per case.

## 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.



4mil thick

PSS080220

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.

## 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

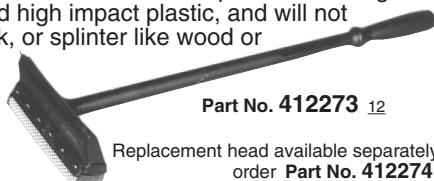
PSS080520

500 per roll

## 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 12

Replacement head available separately order Part No. 412274.

## 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

## 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)

## 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

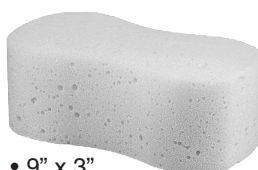
## CHAMOIS



- 4-1/2" sq. ft.
- Genuine leather.
- 100% cod oil tanned.
- Dries streak free & spotless.
- Clear coat safe.

Part No. 812773

## BONE STYLE SPONGE



Part No. 812774

- 9" x 3"
- Giant sponge.
- Extra large and easy to grip.
- Shaped like an eight for easy use.
- Yellow.

## PROFESSIONAL WASH MITT



- Heavy duty and long wearing.
- Highly absorbent, non-scratching.
- Double faced, 8" x 11" with cuff.
- 2 per bag.

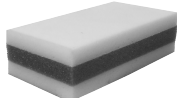
Part No. 213108

## DURA SPONGES

Made from identical material as the Mr. Clean Magic Eraser.

### SANDWICH

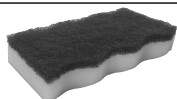
Part No. 415156-6  
(6 per pkg.)



- Made of both melamine and polyurethane for unparalleled cleaning.

### SCRUBBY

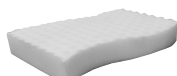
Part No. 415157-6  
(6 per pkg.)



- 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

- Multi-purpose usage - uses only water to activate.
- Environmentally friendly.
- Removes stubborn stains, scuff marks, permanent marker, ink, tar, graffiti, adhesive labels, grease, dirt & grime and more.
- Safe on most surfaces - floors, walls, grout, tiles, graffiti, baseboards, countertops, restrooms, building exteriors, auto interiors, tires & rims, vinyl surfaces, boats, planes & more.
- Industries - auto, janitorial, marine, factories, hotels, hospitals, nursing facilities, schools, day cares, office buildings, sports facilities, restaurants & more.
- Sponges wear down with repeated use. Replace as needed.

# 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.)

(Red) **Part No. 211157**  
(sold 12/bx.)

- Economical high strength, high visibility pencils.
- Ideal for marking metal.
- Works well even on oily, rusty or wet surfaces.
- 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. 812780**  
Size: 18" x 36"

Yellow safety caution bar alert 1"



**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

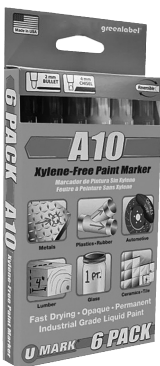
### 6-PACK COLOR ASSORTMENT

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

## ULTRAVIOLET BLACK LIGHT MARKERS

Discreet marking of property, equipment & parts for warranty, identification & security.



PSS110118

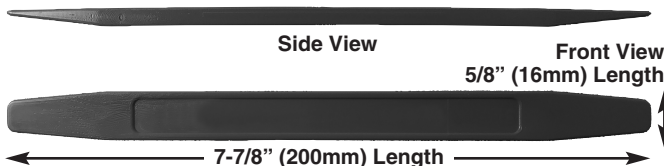
- Allows for visible marking of parts for theft protection, quality control & security.
- Marks are visible only under ultraviolet black light.
- Marks on metal, plastic, glass & other non-porous surfaces.
- Made in USA.

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.

- 4 inches wide.
- Works under water.
- Use indoors & outdoors.
- Permanent bond.
- 2 X's more tape compared to other brands.



PSS0502119

Part No. 813298

4" x 10' Roll

## 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

## 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.



PSS100518



Part No. 915360-5  
Black

HIGH QUALITY PRODUCT, EXCELLENT WORKMANSHIP

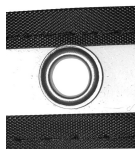
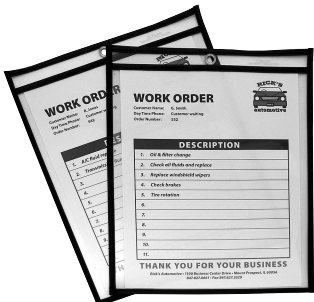
## SHOP TICKET HOLDER

Use to store: instructions, notifications, dealines, 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

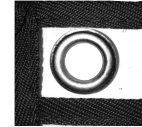
## SHOP JOB TICKET HOLDER WITH HANGING STRAP

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

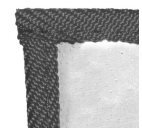
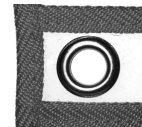
HIGH QUALITY PRODUCT, EXCELLENT WORKMANSHIP

## 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.

PART NUMBER	SIZE
312121	Large (9)
312122	X-Large (10)

Soft Green Color



## 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.



PSS010120

Part No. 311269 Large  
Part No. 312174 X-Large

## LEATHER DRIVING GLOVES

- Top grain tan cowhide.
- Continuous easy action thumb.
- Elastic wrist back strip.
- Gunn pattern, with seams away from wear surface.
- Unlined.



PART NUMBER	SIZE
312114	Large
312004	X-Large
312005	XX-Large

PSS100120

## 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 & 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.



PSS082316

- Keeps gloves within easy reach.
- Fits dispenser boxes 10-1/4" L x 3-1/2" W or slimmer profiles.

## 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.



PSS110812

PART NUMBER	SIZE
415225	Medium
415226	Large
415227	X-Large

100 gloves per box.



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.



PSS082416

PART NUMBER	SIZE
415314	Medium
415315	Large
415316	X-Large
415317	XX-Large

100 gloves per box



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

PART NUMBER	SIZE
415320	Medium
415321	Large
415322	X-Large

100 gloves per box.



Dispenser box size:  
8-5/8" L x 4-7/8" W x 2-3/4" D

## 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

PART NUMBER	SIZE
415135	Medium
415136	Large
415137	X-Large

100 gloves per box.



Dispenser box size:  
9-3/8" L x 4-5/8" W x 2-7/8" D

## HEAVY DUTY LATEX GLOVES

### Gloveworks 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.
- Heavy duty, powder free industrial grade latex gloves feature a smooth interior for quick, easy donning & a textured surface for a terrific grip.



PSS110812

PART NUMBER	SIZE
415300	Medium
415301	Large
415302	X-Large

100 gloves per box.



Dispenser box size:  
9-3/8" L x 4-7/8" W x 3-7/8" D

## 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

PART NUMBER	SIZE
415310	Medium
415311	Large
415312	X-Large

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

PART NUMBER	SIZE
415140	Small
415141	Medium
415142	Large
415143	X-Large

100 gloves per box.



Dispenser box size:  
9-3/8" L x 4-5/8" W x 2-1/2" D

## 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

PART NUMBER	SIZE
312148	Medium
312149	Large
312146	X-Large

100 gloves per box.



Dispenser box size:  
8-5/8" L x 4-3/4" W x 2-3/8" D

# 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

## 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**

## 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

## 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.
- 6 point headgear suspension.
- Adjustable head size.
- Slotted design for attaching adapters.

PART NUMBER	COLOR
812550	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

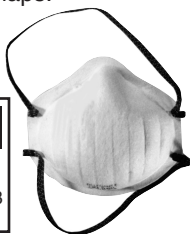
### FEATURES:

- No metal clips.
- Self adjusting nose bridge.
- "Hug-on" flaps.
- 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.

Part No. 113264 20

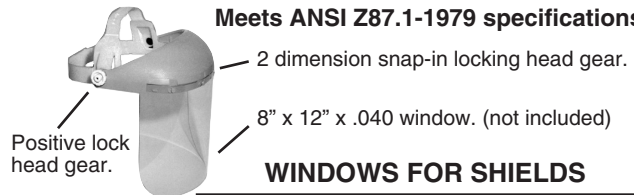
**GUARANTEED TO:**

Cost less per mask than 3M #8710 & #6983 masks.



## FACE SHIELD

Meets ANSI Z87.1-1979 specifications.



Positive lock head gear.

8" x 12" x .040 window. (not included)

### WINDOWS FOR SHIELDS

Part No. 812556

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
B - Medium Green			

## BIONIC SHIELD

Meets ANSI Z87.1-2003 (High Impact) & CSA Z94.3 standards.



Top of head protection.

Superior protection from flying objects, chemical splashes, grinding or impact.

Chin protection.

Extremely lightweight.

Easily adjustable head gear.

Part No. 812668

All day comfort.

Additional lenses sold separately see D13 section.

## PAINT & BODY COMBO RESPIRATOR KIT

Allows one mask to be used for both painting and body work.



- 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

## Medium Face Mask Kit

Part No. 113265

## Large Face Mask Kit\*

Part No. 113266

\*Most popular size

## 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** & may be used only for protection against non-toxic and nuisance dust. **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.

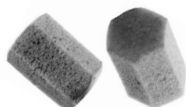
- Unique conical shape allows one size to fit 85% of all ears.
- Non-toxic and non-allergenic.
- Reusable, wash with mild soap and warm water.
- May be worn under winter liners.
- Complete with safety cord.



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.



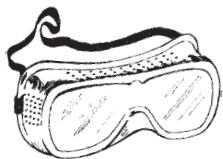
Part No. 812507 10



## 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

- 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.



Part No. 812598

- 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 287-1 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



- 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.

Protect yourself and your company

## 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-gauze bandage, 2" roll |
| 1-adhesive tape, 1/2" x 2 yds.  | 3-sting relief wipes     |
| 3-alcohol wound wipes           | 1-scissors               |
| 3-ammonia inhalants             | 1-triangular bandage     |
| 12-aspirin tablets, 5 gr.       | 1-tweezers               |
| 1-cold pack                     | 1-instructions           |
| 2-eye pads                      | 2-nitrile gloves         |
| 1-first aid/burn cream, 7/8 oz. |                          |
| 5-gauze pads, 4"                |                          |

## PLASTIC STRIPS

- Non-stick pad.
- 3/4" x 3".
- Sterile.



**Part No. 312125** 100

**Larger Quantity**

## 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          | 1-roll gauze                     |
| 5-heavy woven adhesive patches 2" x 3" | 1-roll 1/2" adhesive tape        |
| 5-heavy woven knuckle bandages         | 4-triple antibiotic .5 gr.       |
| 5-heavy woven fingertip bandages       | 4-first aid cream .9 gr.         |
| 4-sterile 2" x 3" gauze pads           | 4-antiseptic wipes               |
| 4-sterile gauze pads 2" x 2"           | 1-scissors                       |
| 2-sterile eye pads                     | 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**

**Kit includes:**

- 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.

## ADVIL TABLETS



**Part No. 312193**

- 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.



- Seals & protects wounds from infection.
- Safe for diabetics & those using blood thinners.
- Reduces employee down time & trips to the ER.
- Reduces OSHA reportable incidences.

**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

### 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

### DISPENSER BOX - SOCK-PAD-ROLL



- 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.

Dispenser  
Box Size: 25" x 5" x 14"  
Weights only 6 lbs.

\* Yellow is used to readily identify hazardous material.

PART NUMBER	USED FOR	PAD COLOR
<b>812579</b>	Oil / Petroleum	White
<b>812580*</b>	Hazardous Materials	Yellow
<b>812581</b>	Universal	Gray

### BONDED DRUM-TOP PADS

Keep 55 gallon drums clean and neat.



22" DIA.

- Strong enough to stand up to fluid leaks from pumps and dispenser cans.
- Absorbs fluids and leaks from drum top pumps and dispenser cans.
- Great for drums that are stored outside.



**WHITE**

For "Oil" Only

Part No. **812759** 25

**GRAY**

"UNIVERSAL"  
For Solvents,  
Coolants, Water &  
Oil Based Chemicals

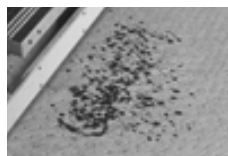
Part No. **812758** 25

### SORBENT ROLLS



30" x 150' ROLL

- 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**

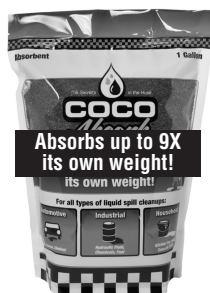
**GRAY CAMOFLAGE**

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!

- Universal, non-hazardous, & non-reactive, non-carcinogenic.
- Lightweight & certified non-leaching.
- Absorbs on contact & dust free.
- Non-abrasive.
- Landfill safe.

PSS041615



PART NUMBER	SIZE	ABSORBENCY (LIQUID)	EQUAV TO CLAY
<b>812776</b>	1 Gallon	2.5 Qts	35lbs
<b>812777</b>	9 Liters	10 Qts	100lbs
<b>812778</b>	35 Liters	24 Qts	250 + lbs

### SPILL CLEAN-UP KIT

\*RECOMMENDED FOR BLOOD & BODILY FLUIDS.



Part No. **312106**

**Contains:**

- (1) bottle absorbent powder (2 oz.)
- (1) scoop & spatula
- (1) hard surface disinfectant cloth (EPA approved)
- (1) biohazard bag
- (1) unmarked bag (for non-infectious waste)
- (1) pr. nitrile exam gloves
- (2) 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:**

- (15) absorbent pads
- (3) universal boom socks
- (1) pair chemical splash goggles
- (1) pair protective gloves
- (2) 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.)