

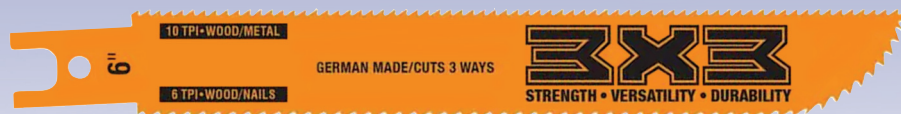
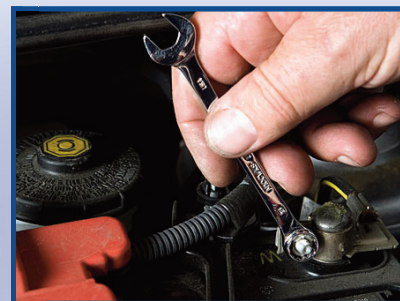
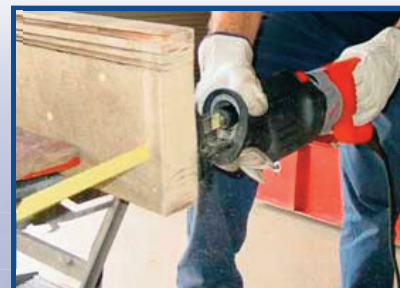
# PRO-LINE

**Industrial Products**

*The Professionals' Choice!*

# COOL TOOL GUIDE

**2021  
EDITION**



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<b>DESCRIPTION</b>	<b>PG.</b>
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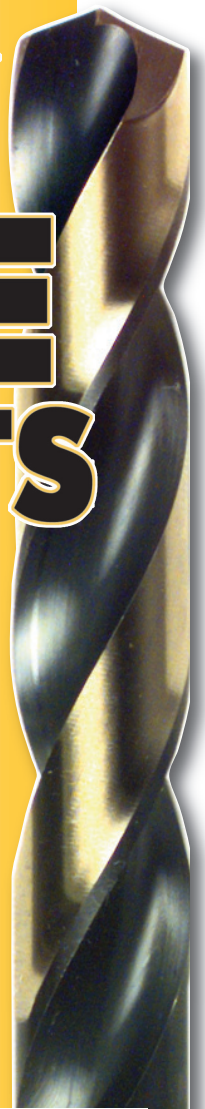




# ULTRA MOLY MUSCLE DRILL BITS



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

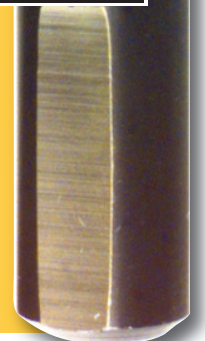


**Longer Cutting Life**

**Runs Cooler and Cuts Easier**

**Greater Rigidity and**

**Resistance to Breakage**





# ULTRA MOJOY MUSCLE DRILL BITS

**MECHANICS  
LENGTH!**

*Our bits are specially heat treated and then  
nitro-carburized which means they  
have an increased Rockwell hardness*

**Makes The Job Easier**

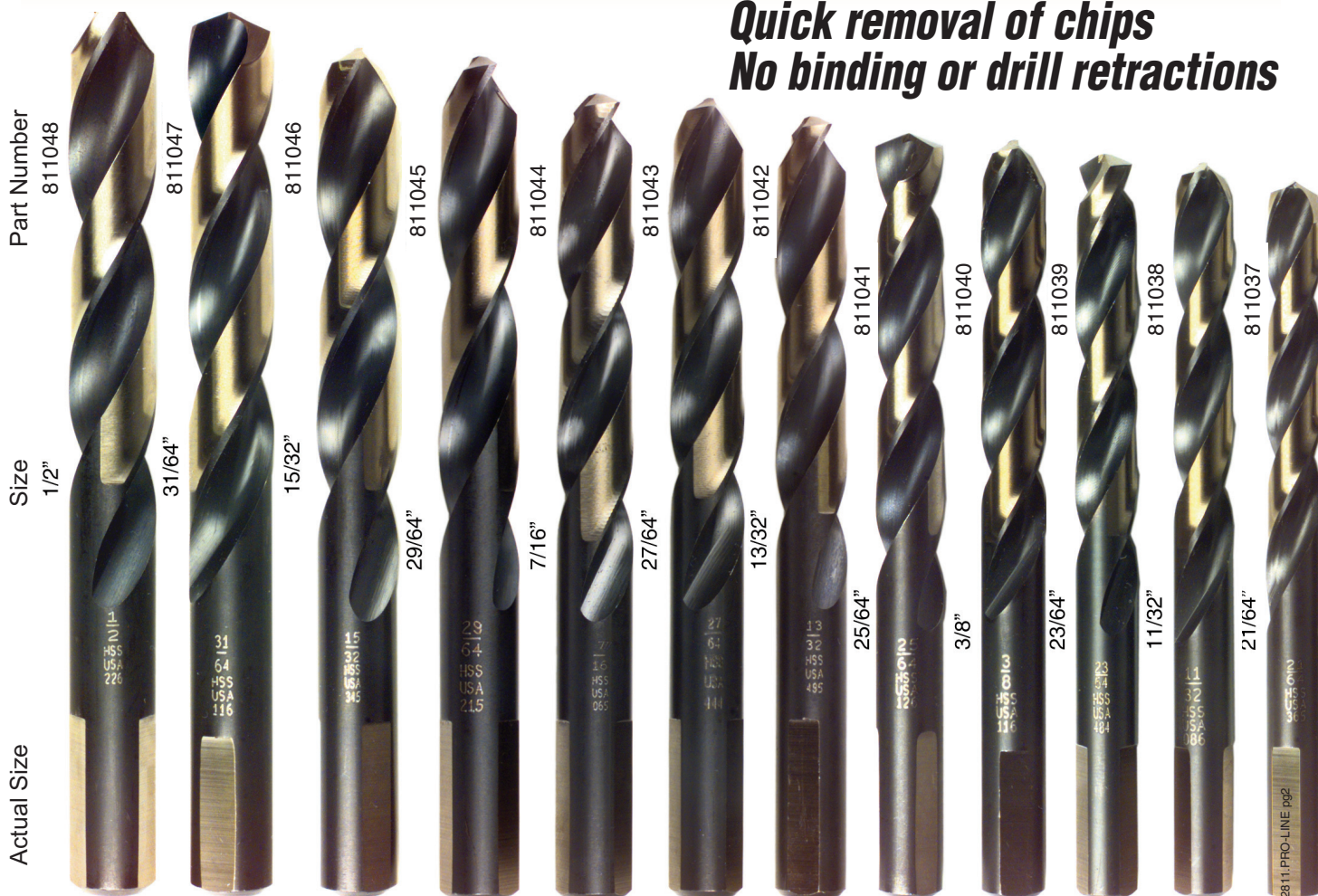
*Less Effort  
Easy to use  
Saves time*

**Cuts Faster and Lasts Longer**

*More holes  
Saves money  
Less down time*

**Saves Time & Money \$\$\$\$**

*Faster drilling  
Quick removal of chips  
No binding or drill retractions*





# 135° Self-Centering Split Point



**No Center Punch Needed!**

***Eliminates drill walking***

***Requires 50% less pressure to penetrate workpiece***

***A must for portable drilling***

***High-Molybdenum Tool Steel***

***Gold Surface Treatment Provides Maximum Lubricity and Reduces Friction***

***Provides the Ultimate in Accuracy & Performance***



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



# DRILL BIT Assortments

## 29pc 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.  
811005

Holder not available  
separately.



## 29pc set

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

Part No.  
811004

packed in  
12175 index



## 15pc set

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

Part No.  
811002

packed in  
12174 index



## 13pc set

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

Part No.  
811001

packed in  
12173 index



## ULTRA MOLY MUSCLE DRILL BITS

DIAMETER	OVERALL LENGTH	FLUTE LENGTH	PKG. QTY. 1	PKG. QTY. 3	PKG. QTY. 6	PKG. QTY. 12
1/16	1-7/8	7/8	811020	811020-3	811020-6	811020-12
5/64	2	1	811021	811021-3	811021-6	811021-12
3/32	2-1/4	1-1/4	811022	811022-3	811022-6	811022-12
7/64	2-3/8	1-5/16	811023	811023-3	811023-6	811023-12
1/8	2-1/2	1-7/16	811024	811024-3	811024-6	811024-12
9/64	2-5/8	1-9/16	811025	811025-3	811025-6	811025-12
5/32	2-3/4	1-11/16	811026	811026-3	811026-6	811026-12
11/64	2-7/8	1-13/16	811027	811027-3	811027-6	811027-12
3/16	3	1-7/8	811028	811028-3	811028-6	811028-12
13/64	3-1/8	1-15/16	811029	811029-3	811029-6	811029-12
7/32	3-1/4	2	811030	811030-3	811030-6	811030-12
15/64	3-3/8	2-1/16	811031	811031-3	811031-6	811031-12
1/4	3-1/2	2	811032	811032-3	811032-6	811032-12
17/64	3-5/8	2-1/8	811033	811033-3	811033-6	811033-12
9/32	3-3/4	2-1/4	811034	811034-3	811034-6	811034-12
19/64	3-7/8	2-3/8	811035	811035-3	811035-6	811035-12
5/16	4	2-1/2	811036	811036-3	811036-6	811036-12
21/64	4-1/16	2-9/16	811037	811037-3	811037-6	811037-12
11/32	4-1/8	2-5/8	811038	811038-3	811038-6	811038-12
23/64	4-3/16	2-11/16	811039	811039-3	811039-6	811039-12
3/8	4-1/4	2-11/16	811040	811040-3	811040-6	811040-12
25/64*	4-5/16	2-3/4	811041	811041-3	811041-6	811041-12
13/32*	4-3/8	2-13/16	811042	811042-3	811042-6	811042-12
27/64	4-7/16	2-7/8	811043	811043-3	811043-6	811043-12
7/16	4-1/2	2-15/16	811044	811044-3	811044-6	811044-12
29/64	4-5/8	3	811045	811045-3	811045-6	811045-12
15/32	4-3/4	3-1/8	811046	811046-3	811046-6	811046-12
31/64	4-7/8	3-1/4	811047	811047-3	811047-6	811047-12
1/2	5	3-3/8	811048	811048-3	811048-6	811048-12

\*Will fit 3/8 chuck.

## BEST DRILL STORAGE FOR BIG DRILL USERS!!

Room for  
12 of each size

Part No.  
811003  
29 piece set

Sizes: 1/16" to  
1/2" by 64ths.  
packed in  
12072 cabinet

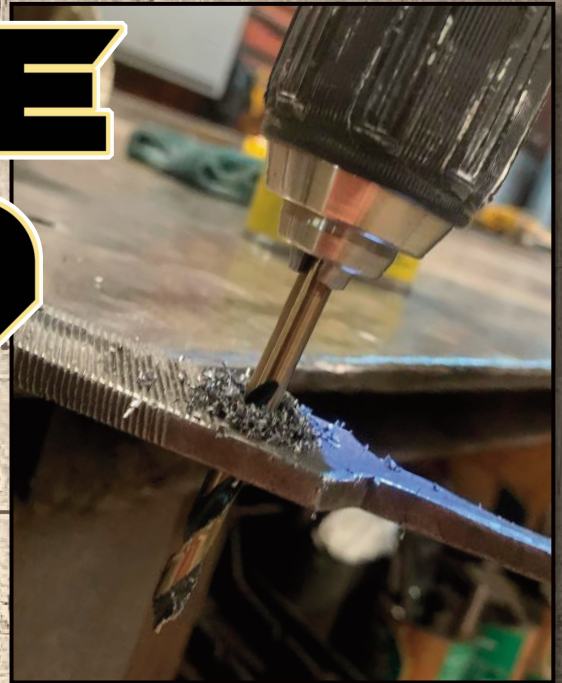




TYPE 175-VT MECHANIC LENGTH • 3-Flats on Shank

# SUPREME ULTRA DRILL BITS

*Designed for demanding  
maintenance and portable drilling  
functions in various grades of  
Hard Steel, Sheet Metal,  
Brass and Acrylics*



**Longer Cutting Life**

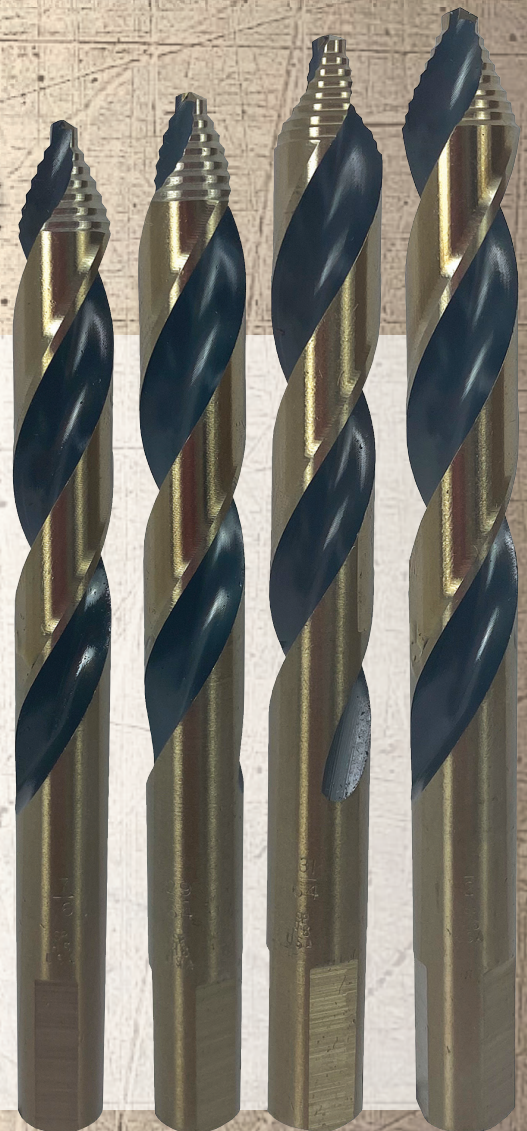
**Runs Cooler  
and Cuts Easier**

**Greater Rigidity  
and Resistance  
to Breakage**

135° Self Starting  
Split Point



no center  
punch needed!







**Unique tip geometry  
reduces heat generation  
and cutting tool wear!**

**Precision ground point, flutes, body clearance and drill diameter for the ultimate in accuracy & performance**

**Makes The Job Easier**

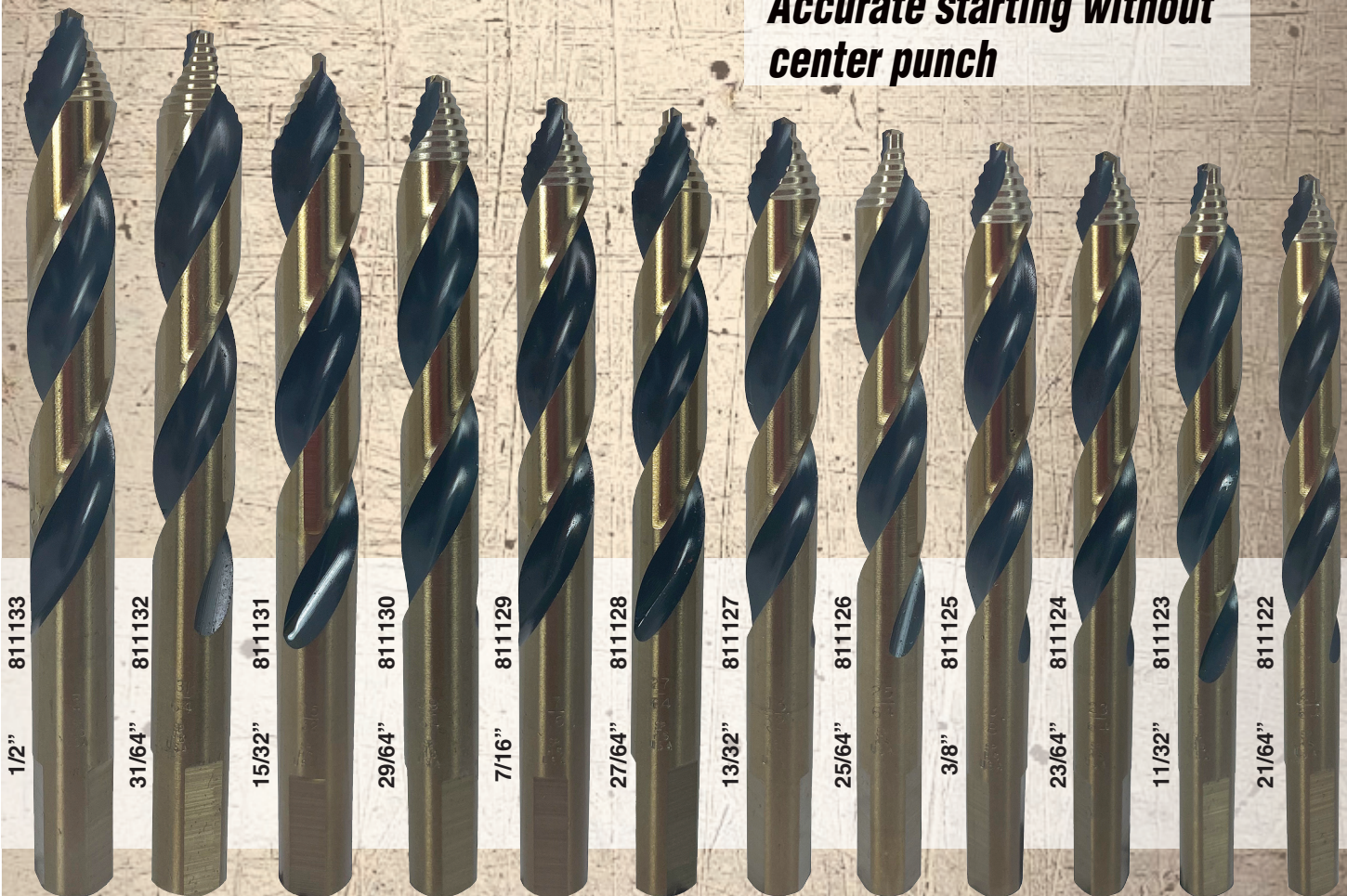
**Less Effort  
Easy to use  
Saves time**

**Cuts Faster and Lasts Longer**

**More holes  
Saves money  
Less down time**

**Saves Time & Money \$\$\$\$**

**Faster drilling  
Accurate starting without  
center punch**



**ACTUAL SIZE ILLUSTRATIONS**



# 135° Self-Centering Split Point



**No Center Punch Needed!**

**High-Molybdenum Tool Steel**

**Gold Surface Treatment Provides Maximum Lubricity and Reduces Friction**

**Provides the Ultimate in Accuracy & Performance**

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

**Eliminates Drill Walking**

**3-FLAT SHANK**



**ACTUAL SIZE ILLUSTRATIONS**



# DRILL BIT Assortments

## 29pc 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.  
811104

Holder not available  
separately.



## 29pc set

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

Part No.  
811103



## 15pc set

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

Part No.  
811101



## 13pc set

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

Part No.  
811100



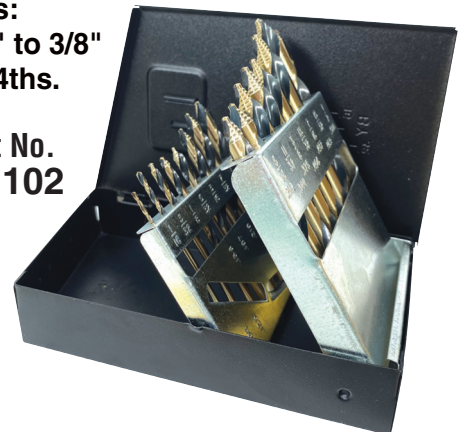
## SUPREME ULTRA DRILL BITS

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

## 21pc set

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

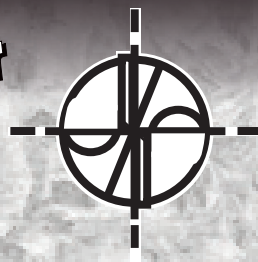
Part No.  
811102



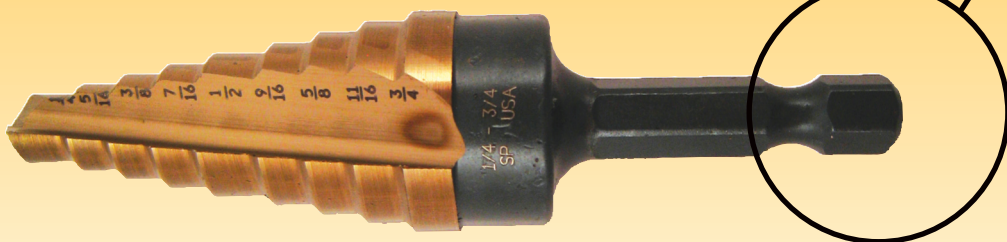


# ULTRA MAD MUSCLE STEP DRILL BITS

**No Center  
Punch  
Needed!**



**Quick Release  
1/4" Hex Shank**



**135° Split Point Self Centers • M2 Steel - Gold Oxide Coating**

## For Use On:

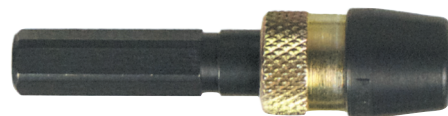
- *Thin metals*
- *Rigid plastics*
- *Wood*
- *Composite materials*

***The quick release shank eases the  
changing of cutting tools***

PART NO.	SIZE
<b>813670</b>	(SET) 1/8" - 1/2", 3/16" - 1/2", 1/4" - 3/4"
<b>813671</b>	1/8" - 1/2" 13 - STEP
<b>813672</b>	3/16" - 1/2" 6 - STEP
<b>813673</b>	1/4" - 3/4" 9 - STEP
<b>826210</b>	Quick Release Adapter



**Part No. 826210**  
**Quick Release Adapter**



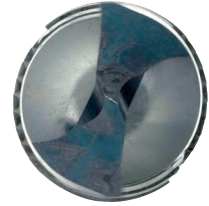
**813672 6-Step Bit:** 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"  
**813673 9-Step Bit:** 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"  
**813671 13-Step Bit:** 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2"

# 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	ITEM NO.	SIZE	ITEM NO.
1/8"	814425	1/4"	814428
3/16"	814426	5/16"	814431
1/2"	814427	3/4"	814432
Part No. <b>814435</b>			
6 pieces • 6 items			
12048 plastic tray			
Numbers in assortment			

COMBINATION DRILL-TAP DRILLS - 814436			
SIZE	ITEM NO.	SIZE	ITEM NO.
1/8"	814430	1/4"	814432
3/16"	814431	5/16"	814433
1/2"	814432	3/4"	814434
Part No. <b>814436</b>			
5 pieces • 5 items			
12048 plastic tray			
Numbers in assortment			

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

\* Not a reduced shank

## TAP & DIE SETS

- Made of tough tool steel, hard chrome finish.

### 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

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

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

- Hardened and tempered to cut smooth threads.

### 40 PIECE MECHANIC SETS



#### KIT CONTAINS:

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

#### FRACTIONAL SET

Part No. **813031**

17 taps • 17 one inch hex dies

#### METRIC SET

Part No. **813036**

17 taps • 17 one inch hex dies

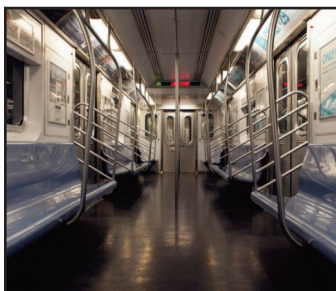
THREAD	SIZE AND THREADS PER INCH					
NC	4-40	6-32	8-32	10-24	12-24	1/4-20
NC	5/16-18	3/8-16	7/16-14	1/2-13		
NF	10-32	1/4-28	5/16-24	3/8-24	7/16-20	1/2-20
NPT	1/8-27					

SIZE AND PITCH				
3mm-.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			



# 18-8 STAINLESS STEEL SPANNER SECURITY SCREWS & ACCESSORIES

**18-8 Stainless Steel Spanner Security Screws are commonly referred to as "Snake Eye" Screws**



- ◆ Tamper-Proof Security Screws.
- ◆ 18-8 Stainless Steel for strength & rust protection.
- ◆ Secures materials & protects property.
- ◆ Prevents vandalism, theft & tampering.
- ◆ Used by: prisons/institutions, schools/universities, utilities/public transit and D.O.T./highway. They are also used in food prep & processing areas.
- ◆ Deters the opportunity of crime in unsupervised areas.
- ◆ Allows easy access by authorized personnel with matching tools.

## STYLES AVAILABLE

Pan Head Sheet Metal Screws: #8 & #10

Pan Head Machine Screws: #8-32, #10-24, #10-32

Flat Head Sheet Metal Screws: #8 & #10

Flat Head Machine Screws: #6-32, #8-32, #10-24, #10-32

## TOOLS AVAILABLE - SPANNER DRIVERS

#6 - Part No. **113051**

#8 - Part No. **113052**

#10 - Part No. **113053**

*For use  
in permanent  
applications*

## ASSORTMENT AVAILABLE

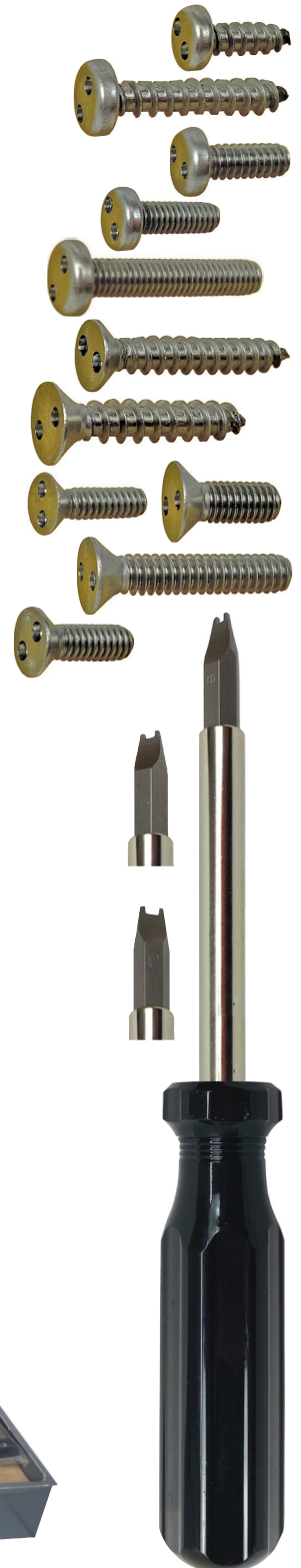
Part No. **501779**

503 Pieces • 23 Items

12056 Steel Tray • (Tools Included)

*Meets  
ANSI/ASME B18.6  
standards*

**SEE BACK  
For Sample  
Lidchart**





**SHOWN HERE IS A REDUCED COPY OF THE CHART  
FROM THE INSIDE OF THE LID OF EACH TRAY.**

TRAY NO. 12056

PART NO.

**501779**



ASSORTMENT

**STAINLESS STEEL SPANNER SCREWS**  
**Flat & Pan Head and Tools**

Contents in this assortment can be found in catalog section A15 - SCREWS.

<p>1</p> <p>PAN HEAD SHEET METAL SCREW #8 x 1/2"</p> <p>509960</p> <p>LIST</p>	<p>2</p> <p>FLAT HEAD SHEET METAL SCREW #8 x 1"</p> <p>509964</p> <p>LIST</p>	<p>3</p> <p>FLAT HEAD MACHINE SCREW 8-32 x 1/2"</p> <p>509968</p> <p>LIST</p>	<p>4</p> <p>FLAT HEAD MACHINE SCREW 10-32 x 1/2"</p> <p>509972</p> <p>LIST</p>	<p>5</p> <p>FLAT HEAD MACHINE SCREW 10-24 x 1/2"</p> <p>509976</p> <p>LIST</p>	<p>6</p> <p>SPANNER DRIVERS #6</p> <p>113051</p>
<p>7</p> <p>PAN HEAD SHEET METAL SCREW #8 x 1"</p> <p>509961</p> <p>LIST</p>	<p>8</p> <p>FLAT HEAD SHEET METAL SCREW #10 x 1"</p> <p>509965</p> <p>LIST</p>	<p>9</p> <p>FLAT HEAD MACHINE SCREW 8-32 x 1"</p> <p>509969</p> <p>LIST</p>	<p>10</p> <p>FLAT HEAD MACHINE SCREW 10-32 x 1"</p> <p>509973</p> <p>LIST</p>	<p>11</p> <p>FLAT HEAD MACHINE SCREW 10-24 x 1"</p> <p>509977</p> <p>LIST</p>	<p>8</p> <p>SPANNER DRIVERS #8</p> <p>113052</p>
<p>12</p> <p>PAN HEAD SHEET METAL SCREW #10 x 1/2"</p> <p>509962</p> <p>LIST</p>	<p>13</p> <p>FLAT HEAD MACHINE SCREW 6-32 x 1/2"</p> <p>509966</p> <p>LIST</p>	<p>14</p> <p>PAN HEAD MACHINE SCREW 8-32 x 1/2"</p> <p>509970</p> <p>LIST</p>	<p>15</p> <p>PAN HEAD MACHINE SCREW 10-32 x 1/2"</p> <p>509974</p> <p>LIST</p>	<p>16</p> <p>PAN HEAD MACHINE SCREW 10-24 x 1/2"</p> <p>509978</p> <p>LIST</p>	<p>#10</p> <p>SPANNER DRIVERS</p> <p>113053</p>
<p>17</p> <p>PAN HEAD SHEET METAL SCREW #10 x 1"</p> <p>509963</p> <p>LIST</p>	<p>18</p> <p>FLAT HEAD MACHINE SCREW 6-32 x 3/4"</p> <p>509967</p> <p>LIST</p>	<p>19</p> <p>PAN HEAD MACHINE SCREW 8-32 x 1"</p> <p>509971</p> <p>LIST</p>	<p>20</p> <p>PAN HEAD MACHINE SCREW 10-32 x 1"</p> <p>509975</p> <p>LIST</p>	<p>21</p> <p>PAN HEAD MACHINE SCREW 10-24 x 1"</p> <p>509979</p> <p>LIST</p>	





# POWER IMPACT DRIVER BITS, HOLDERS & SETS

INDUSTRIAL QUALITY  
PRECISION MACHINED  
MEETS OR EXCEEDS ANSI AND DIN STANDARDS



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.



## 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

## 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")

- ⊕ 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

Part No.  
114250



## 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

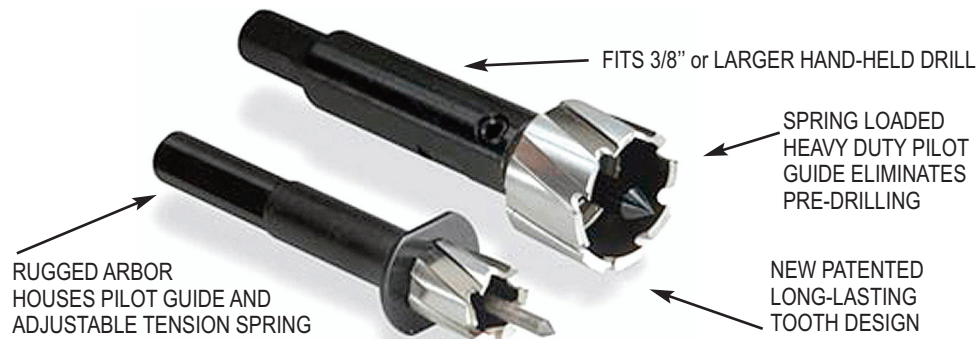


# ROTABROACH® CUTTERS

Body shops, frame straighteners, rustproofers and undercoaters find using  
**ROTABROACH® CUTTERS**  
 is the best, fastest way to cut holes in steel, sheet metal, wood and plastic.  
 A spring-loaded pilot guide in arbors eliminates predrilling.  
 The cutters are designed to prevent chip clogging.

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

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



## INDIVIDUAL CUTTERS



Use Arbor,  
 Part No. **113026**

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

Use Arbor,  
 Part No.'s  
**113026 or 113027**

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

## ARBORS



**ARBOR with Pilot Pin**  
 For 1/4" to 3/4" (6mm-20mm) Cutters  
 Use Part No. **113026**



**ARBOR with Skip-Proof Pilot**  
 For 3/8" to 3/4" (10mm-20mm) Cutters  
 Use Part No. **113027**

## PILOTS - Comes three per pack



For use with Arbor, Part No. 113026  
 Part No. **113025**



For use with Arbor, Part No. 113027  
 Part No. **113028**

### 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

Part No. **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





# Tough Jobs?

## **"POWER SCRAPER"**

Attaches easily to all brands of reciprocating saws!

**RE-SHARPENABLE!**



Made from  
carbon steel

ORDER PART NO.	BLADE WIDTH INCHES
<b>114568</b>	2"
<b>114569</b>	4"
<b>114570</b>	6"

**USE TO REMOVE:**  
Tough Adhesive/Glue  
Ceramic/Vinyl Tile  
Rubber-Back Carpet  
Thin Set  
Drywall Mud  
Paint  
Wallpaper  
and other surface  
scraping applications



## **"GROUT-OUT"**

Power Grout Removal Tool  
Attaches easily to all brands  
of reciprocating saws!

Made from carbon steel with a  
carbide grit edge for maximum  
performance and control



Remove any type of  
Grout including  
Urethane and Epoxy!

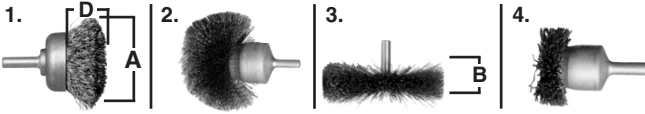
ORDER PART NO.	JOINT SIZE
<b>114571</b>	1/16" - 3/16"
<b>114572</b>	3/16" - 3/4"



# STEEL WIRE WHEEL and WIRE SCRATCH BRUSHES

## STEM MOUNTED WIRE WHEEL BRUSHES

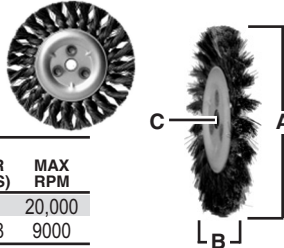
- For carbon cleaning, polishing, weld cleaning, scale removal, rust & paint removal, rubber & plastic flash removal, deburring and ID pipe cleaning mounted on 1/4" stems.
- Use on portable power tools.



PART NUMBER	STYLE	(A) DIA	WIRE SIZE	(D) TRIM LENGTH	(B) FACE WIDTH	MAX RPM
<b>812711</b>	Cup <sup>1</sup>	1-3/4	.0118	3/4	--	13,000
<b>812712</b>	Circular flair <sup>2</sup>	3	.008	2	--	14,000
<b>812713</b>	Conflex narrow <sup>3</sup>	3	.008	--	3/8	20,000
<b>812714</b>	Conflex narrow <sup>3</sup>	3	.0118	--	3/8	20,000
<b>812154</b>	Conflex wide <sup>4</sup>	1-1/2	.0118	--	1/2	20,000
<b>812719</b>	Circular flair <sup>2</sup>	1-1/2	.006	1	--	20,000
<b>812720</b>	Conflex narrow <sup>3</sup>	2	.014	7/16	--	25,000
<b>812721</b>	Conflex narrow <sup>3</sup>	2-1/2	.014	11/16	--	20,000

## KNOT WIRE WHEELS

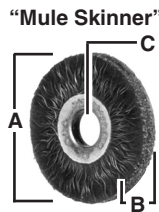
- For high impact, heavy duty cleaning in severe applications, weld cleaning, removal of rubber & plastic flash.



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

## EPOXY ENCAPSULED WIRE WHEEL

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



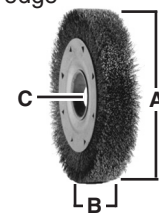
PART NUMBER	(A) DIA (INCHES)	WIRE SIZE	(B) FACE WIDTH	(C) ARBOR (INCHES)	MAX RPM
<b>812715</b>	2	.014	1/4	1/2	20,000

## 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
<b>812702</b>	6	.014	3/4	1/2, 5/8	6,000
<b>812150*</b>	6	.014	1	2	6,000
<b>812899*</b>	8	.012	1	2	4,000

\* Order adapters separately.



## ARBOR ADAPTERS

- Reduces wire wheels with 2" arbor holes.

PART NUMBER	SIZE
<b>812750</b>	1/2
<b>812751</b>	5/8
<b>812752</b>	3/4



## THREADED DRIVE ARBOR

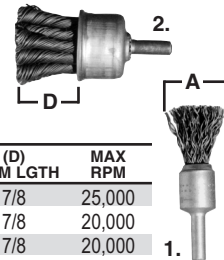
- For adapting wire wheels with 1/2" arbor to portable power tools.
- 1/2" diameter.
- 1/4" shank.

Part No. **812157**



## STEM MOUNTED WIRE END BRUSHES

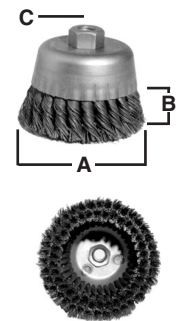
- Crimped wire for light & medium duty.
- Knot wire for heavy duty cleaning, finishing & polishing.
- Removes burrs, weld splatter, etc.
- Mounted on 1/4" stems.
- Use on portable power tools.



PART NUMBER	STYLE	(A) DIA	WIRE SIZE	(D) TRIM LGTH	MAX RPM
<b>812709</b>	Crimped wire <sup>1</sup>	1/2	.020	7/8	25,000
<b>812710</b>	Crimped wire <sup>1</sup>	3/4	.020	7/8	20,000
<b>812153</b>	Crimped wire <sup>1</sup>	1	.014	7/8	20,000
<b>812152</b>	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
<b>812706</b>	4	.023	1-1/4	5/8-11	9,000
<b>812707</b>	6	.023	1-3/8	5/8-11	6,000
<b>812708*</b>	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
<b>812704</b>	4	.020	1-3/8	5/8-11	9,000
<b>812705</b>	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**





# FLAP DISC

The Longest  
Life Flap Disc  
On The Market

TYPE 27S



- Longest lasting flap disc on the market.
- Highest overall material removal in the industry.
- New Eco-Trim backing is easier to trim and environmentally friendly.
- Remove welds and finish surfaces in one step.
- Quiet, vibration-free grinding.
- Lightweight.

## TYPE 27S



SPIN-ON



DIA.	ARBOR	GRIT	PART NUMBER	MAX. RPM	STD. PKG
4-1/2	5/8-11	40	<b>815340</b>	13,300	10
4-1/2	5/8-11	60	<b>815341</b>	13,300	10

Our flap discs feature trimmable backings made with our proprietary Eco-Trim wood fiber backing material. When the flaps wear down to the outer diameter of the backing, trim away 1/4" of the backing at a time (**up to three times total**) to expose fresh abrasive grain, extending disc life and giving you a fresh new cutting edge.



New disc



After  
35 min.

Trimmed once



After  
100 min.

Trimmed twice



# LONG LASTING – HIGH PERFORMANCE

## **NEW SIZES** **CUTTING & GRINDING WHEELS** from **DIAMOND<sup>®</sup>X**

*Numerous high quality diamonds are bonded to the steel core.*



**Regular  
Abrasive wheel**



**DiamondX**

### TYPE 27/29 GRINDING WHEELS



PART NUMBER	DIA. INCHES	GRIT	ARBOR	MAX RPM
<b>815002</b>	4-1/2"	24	5/8-11 Hub*	13300
<b>815012</b>	4-1/2"	40/50	5/8-11 Hub*	13300
<b>815003</b>	5"	24	5/8-11 Hub*	12200

\* Removable hub for 7/8" arbor

- **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.

### TYPE 1 CUTTING WHEELS



PART NUMBER	DIA. INCHES	GRIT	ARBOR	MAX RPM
<b>815038</b>	2"	40/50	3/8"-1/4"	30560
<b>815039</b>	3"	40/50	3/8"-1/4"	25000
<b>815041</b>	4"	40/50	5/8"-3/8"	19000
<b>815042</b>	4-1/2"	40/50	7/8"	13600
<b>815043</b>	5"	40/50	7/8"	12225
<b>815044</b>	6"	40/50	7/8"	10225

- **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>X cutter.
- **WILL NOT BREAK OR SHATTER** if dropped or if exposed to water.

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



# **SUPER-FLEX II** **HACKSAW BLADES**

**The World's Toughest High Speed Bi-Metal Steel Blade**  
• Shatterproof • Flexible • Made in U.S.A. •

- Bi-metal alloy steel, is spring tempered, to eliminate snapping and shattering.
- Made from super hard, high speed steel, giving it the edge in cutting steel, plastic, wood, etc.
- Electron-Beam welding fuses the Hi-speed cutting edge and the Flex back together. This process provides a blade life longer than any other blade made.



**Won't shatter  
even when twisted.  
Cuts faster, stays  
sharper longer!**



## **TOOTH SELECTION:**

To select proper pitch (Teeth per inch), three teeth minimum must be in contact with the work at all times.

PART NUMBER	SIZE INCHES	TEETH PER INCH	MATERIAL THICKNESS	QTY
<b>113301</b>	12	18	Over 3/16	10
<b>113302</b>	12	24	1/16 to 3/16	10
<b>113303</b>	12	32	Thin sheet up to 1/16	10

**The only hacksaw blade backed by a Lifetime Guarantee.**  
**Should this blade shatter under any conditions, we will replace it FREE.**



## **SHOP ASSORTMENT**

**Part No. 501622**

31 pieces • 4 items • 12090 steel tray  
113301 113302 113303 113310  
Numbers in assortment

## **TOOL BOX ASSORTMENT**

**Part No. 113304**

15 pieces • 3 items  
113301 113302 113303  
Numbers in assortment

# TRIPLE EDGE

## RECIPROCATING SAW BLADES

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

- Shatter-resistant 8% cobalt Bi-metal blade.
- Rounded tip plunge cuts with ease.
- Two pronged tang for stability & control.
- Fits most reciprocating saws.
- Lasts up to 2x longer than conventional single sided blades.
- Two different tooth configurations.
- Cost effective - 3 blades for the price of one!

Material	6 TPI	10 TPI	14 TPI
Wood	★	★	
Nail Embedded Wood	★	★	
Drywall	★	★	★
Vinyl and Plastics		★	
Laminated Wood		★	
Fiberglass		★	
Metals		★	★

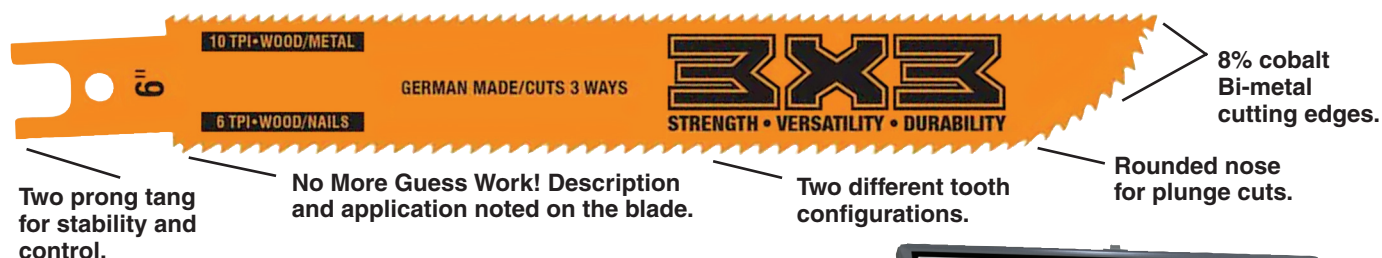


**MADE IN GERMANY**

### INSTRUCTIONS FOR USAGE

UP TO  
**2x**  
LONGER

With saw running, place saw next to surface. Tilt saw forward so blade tip is where you want to start to cut. Rock up and down, Blade creates cut and plunges through material.



PART NUMBER	LENGTH	TEETH PER INCH	PKG. QTY.
<b>114562</b>	6"	6 x 10	5
<b>114563</b>	8"	6 x 10	5
<b>114564</b>	8"	10/14 x 14	5
<b>114565</b>	6"	14 x 18	5
<b>114566</b>	8"	8/12 x 10	5
<b>114567</b>	10"	8/12 x 10	5
<b>114534</b>	6"	10/14 x 14	5
<b>114538</b>	8"	10 x 14	5
<b>114539</b>	10"	10/14 x 14	5



Eye protection must be worn

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





# Multi Wedge™

# NON-MARRING PRY TOOLS

## PRY DELICATE MATERIALS WITHOUT DAMAGE!

Part No. **113273**

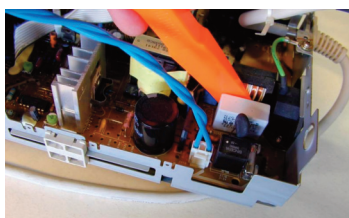
Includes 3 of each Orange & Black Tools



**Great on plastic, wood, upholstery, glass, fiberglass, painted surfaces!**

**Easily pry bezels, dashes, badges, trim, moldings, door panels, body work, seals and upholstery.**

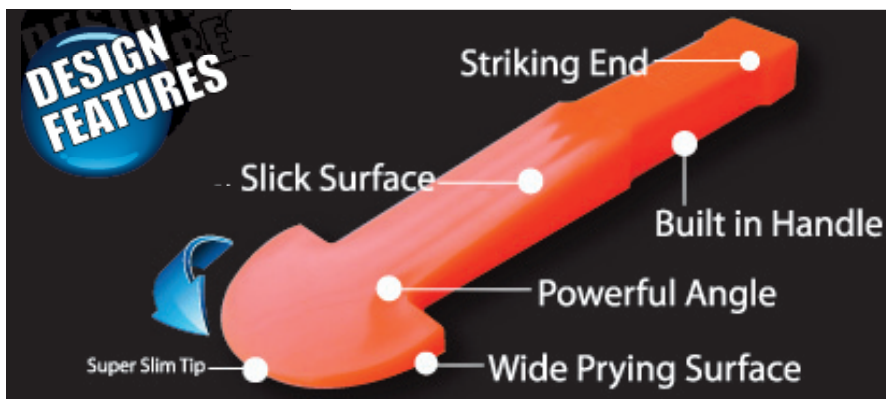
- Appliance • Auto Entry • Bodyshops
- Construction • Custom Work • Industrial
- Installers • Marine • Mechanics
- Mobile Electronics • Restoration • Woodworkers



**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.



### 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**



# BATTERY OPERATED ROTATING ⚡ MAGNETIC ⚡ BASE LED WORKLIGHTS

- High intensity COB Technology 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.

## 3 SMD LED

Head Dia.: 2-3/4" Base Dia.: 2"  
Upgraded to 110 Lumens



Part No. **311240**

**3 AAA Batteries Included**

## 6 SMD LED

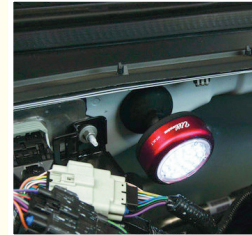
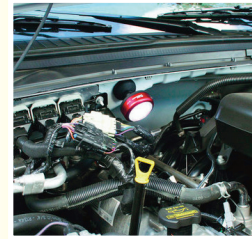
Head Dia.: 3-3/4" Base Dia.: 2-5/8"  
Upgraded to 375 Lumens



Part No. **311245**

**3 AA Batteries Included**

**NOW EVEN  
BRIGHTER!**



# RECHARGEABLE ROTATING ⚡ MAGNETIC ⚡ BASE LED WORKLIGHTS

## 300 Lumens

**\*Includes a USB/wall charger**

- Sturdy aluminum housing with 3 SMD LED's.
- Rotate head to adjust the beam to the needed angle.



Part No. **311257**

## 750 Lumens

**\*Includes a USB/wall charger**

- Dual setting rechargeable 750 Lumens-High / 300 Lumens-Low.
- Sturdy aluminum housing with 10 Watt LED for maximum brightness.
- Head rotates to adjust beam to needed angle.

- Strong magnetic base attaches to metal surfaces in seconds.



Part No. **311259**

## 500 Lumens

**\*Includes a USB/wall charger**

- Sturdy aluminum housing with 6 SMD LED's.
- 500 Lumens-High / 200 Lumens-Low.



Part No. **311258**



# CLAMPLIGHT

**A Light Like NO Other...It Clamps, It Pivots, It Stands**

It's great for General Maintenance, Plumbing, Automotive and Emergencies.

**A MILLION AND ONE USES!**



It's a flashlight with high powered CREE LED bulb, it's a clamp light that clamps on just about any surface, it's a rotating light that pivots exactly where you want the light to go, and it stands by itself.

- The ultimate in versatility.
  - Brilliant white LED's illuminate the work area.
  - Clamps onto objects as wide as 2" x 4".
  - Head swivels in multiple directions.
  - Makes job hands free.
  - Stands alone if there is nothing to clamp to.
  - 100 Lumen CREE LED bulb.
  - Uses (3) AAA batteries.
- (#812900 not included)



Part No.  
**812955**

Size:  
2-1/2" w x 7-9/16" L

**VIDEO LINK**  
<http://vimeo.com/87786543>

## CLAMPLIGHT Mini

The **Clamplight Mini** puts out approx **15-18 Lumens** and can be attached to a baseball cap, pocket, laptop, tackle box or almost anywhere that you can think of. Batteries are included.

- Brilliant white LED's that never need replacing.
- Makes job hands free.
- Stainless steel springs and pins for added durability.

Part No.  
**812956**

Size:  
1-1/8" w x 1-1/8" L



# HIGH POWERED MULTI-POSITION LED NECK LIGHT

Dimensions:  
8.5"H x 5"W x 7/8"D

Part No.

## 311255

- Sleek design is more attractive and comfortable than conventional headlamps.
- Wear on your neck for comfortable hands-free use.
- Direct the light where you need it.
- Brightness from 50-200 lumens.
- Light rotates up and down 70°.
- Rugged, ABS plastic and nylon material, made to last.
- 2 AA batteries included.
- Lightweight, only 4.6 ounces.
- Runtime is up to 2.5 hours.

### FOUR LEVELS OF BRIGHTNESS

**200**

LUMENS

**150**

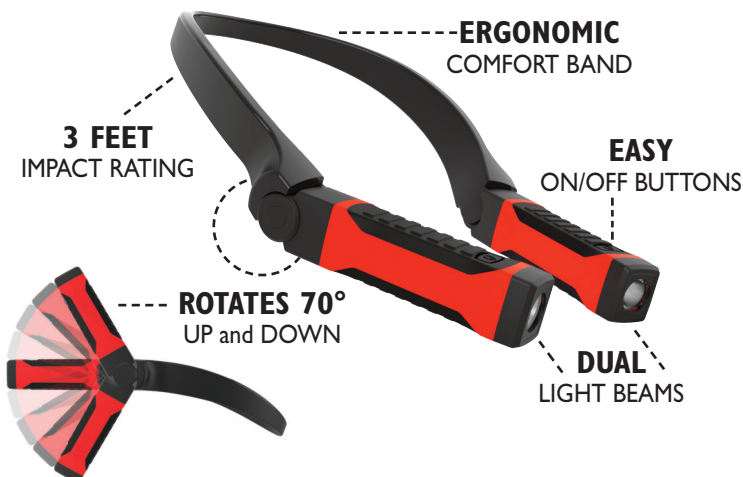
LUMENS

**100**

LUMENS

**50**

LUMENS





**TOUGH IMPACT GRADE  
ALLOY STEEL FOR A LONG  
SERVICE LIFE!**



# **UNIVERSAL STUD EXTRACTOR**

**Fits and removes 1/4" to 1/2" (6-12mm) Studs**

- Stud and broken bolt removal tool.
- Ideal for removing broken, rusted, stripped and smooth studs.
- Fits a range of sizes for 1/4" to 1/2" and M6 thru M12.
- Use with a 3/8" impact tool on LOW POWER setting, or a 3/8" wrench or hand ratchet.
- Ideal for removing exhaust manifold studs, broken exhaust system bolts, cylinder head studs, threaded rod fittings and more.

**IMPACT GRADE  
3/8" DRIVE  
(9.5MM)**



Part No.

**113434**

**TEETH BITE INTO AND GRIP THE END  
OF THE SHAFT**



# TIGHT GRIP **SUPER** COMBINATION WRENCH SETS

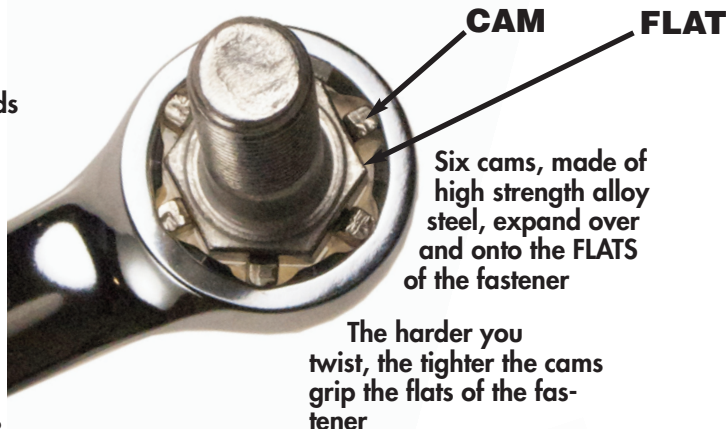
- Removes severely rusted, rounded, or damaged bolts.
- Six cams made of high strength alloy steel, grab tightly onto the fasteners.

**A great bolt or nut starter for those hard to reach places**

No More Busted  
Knuckles or Scraped Hands



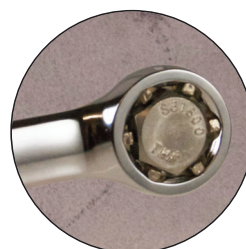
Remove severely  
rounded, rusted &  
damaged bolts & nuts



Six cams, made of  
high strength alloy  
steel, expand over  
and onto the FLATS  
of the fastener

The harder you  
twist, the tighter the cams  
grip the flats of the fas-  
tener

Save Countless  
Hours of Work



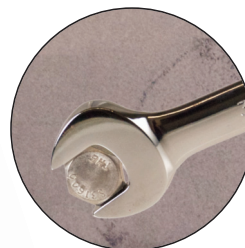
Box End

Exceeds all ANSI  
Strength Requirements

Get into crowded  
modern engine  
compartments



Hold or capture  
bolts and nuts  
for those  
hard-to-reach  
places



Open End

**6 pc. SAE Set**

Part No. **113412**

7/16" (11mm), 1/2", 9/16"  
5/8" (16mm), 11/16", 3/4" (19mm)

**6 pc. Metric Set**

Part No. **113414**

12, 13, 14, 15, 17, 18mm



# 25° OFFSET REVERSIBLE RATCHETING BOX WRENCH

- Great for getting at hard-to-reach nuts and bolts.
- Offset heads prevent bruised and scraped knuckles.



**LIFETIME WARRANTY**

## 5 pc. 12 pt. Std. Set - Part No. 113550

Contains 1 each: 1/4" x 5/16", 3/8" x 7/16",  
1/2" x 9/16", 5/8" x 11/16", 3/4" x 7/8"  
Supplied in a handy vinyl pouch.

## 5 pc. 12 pt. Metric Set - Part No. 113560

Contains 1 each: 7mm x 8mm, 9mm x 10mm,  
11mm x 12mm, 13mm x 14mm, 15mm x 17mm  
Supplied in a handy vinyl pouch.

*Metric sizes available in sets only. No open stock.*



### INDIVIDUAL SIZES AVAILABLE

PART NUMBER	SIZE (INCHES)
<b>113551</b>	1/4 - 5/16
<b>113553</b>	1/2 - 9/16
<b>113554</b>	5/8 - 11/16

# FOLD-UP POCKET SIZE HEX KEY SETS

## 5 pc. Inch Set - Part No. 113258

Sizes: 3/16" to 3/8" • Key lengths: 3-3/8" to 5"

## 9 pc. Inch Set - Part No. 113257

Sizes: .050", 1/16" to 3/16" • Key lengths: 1-3/4" to 2-7/8"

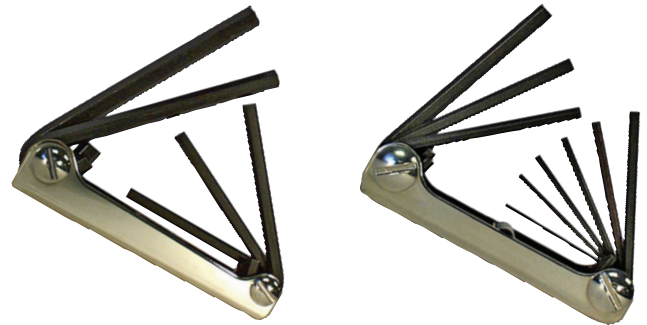
## 5 pc. Metric Set - Part No. 113260

Sizes: 4, 5, 6, 8 & 10mm • Key lengths: 3-1/2" to 5"

## 9 pc. Metric Set - Part No. 113259

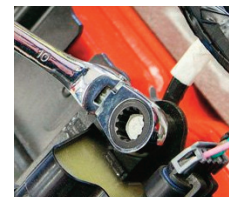
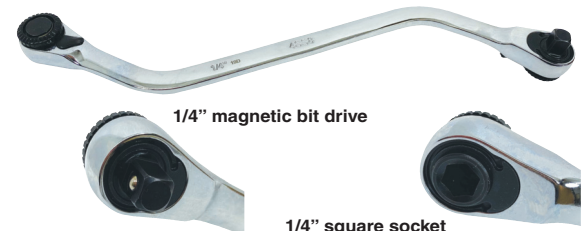
Sizes: 1.5mm to 6mm • Key lengths: 1-3/4" to 3-1/4"

- Each blade can be used straight out or at right angles for extra leverage.
- Close tolerances insure precise fit into hex socket.



# "S" SHAPED RATCHET

- If you ever had an obstruction you wished your ratchet could get around, we have the solution for you.
- The compact design allows easy access inside tight corners.
- The slim 8" shaft is perfect for fitting into tight clearances where a standard ratchet just won't go.
- Unlike standard ratchets that require a 30° return angle, ours only needs a 5° angle to move fasteners.
- With a 1/4" square socket and magnetic bit drive, this tool works for most general purpose fastener driving.
- Perfect for exhaust work, body work, dashboards, motorcycles, inside fan cowls, and hundreds of hard-to-reach areas.



Part No. **113566**

# Ultra Driver

**BE PREPARED!**  
"26" Precision Machined Tips

## PROFESSIONAL MULTI-TOOL - That Works For You

- 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.



**wiha**  
Tools that work for you

**Ultra LITE!**  
**Ultra COMPACT!**  
**Ultra FAST ACCESS!**  
**Ultra QUALITY!**



**"GRAB & GO"**  
**CONVENIENCE**

### Tradesman Contents

⌚	5.5 - 6.5	Slotted
⌚	3.0 - 4.5	Slotted
⊕	PH1 - PH2	Phillips
⊕	PH0 - PH3	Phillips
⊠	1 - 2	Square
⊠	0 - 3	Square
⊕	PZ1 - PZ2	Pozidriv®
⊛	T20 - T25	TORX®
⊛	T10 - T15	TORX®
⬡	5/32 - 3/16	Hex Inch
⬡	1/8 - 9/64	Hex Inch
⬡	5.0 - 6.0	Hex Metric
⬡	3.0 - 4.0	Hex Metric

### "3" OPTIONS Available

Tradesman  
Part No. **213150**

Technician  
Part No. **213151**

Industrial  
Part No. **213152**



## "Tradesman" ULTRA DRIVER



26  
one

wiha  
Tools that work for you

Part No. **213150**

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

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

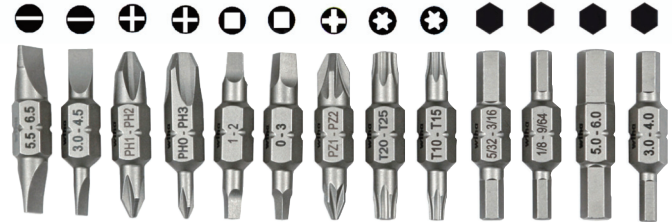
**Pozidriv:** #1 & #2

**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"



## "Technician" ULTRA DRIVER



26  
one

wiha  
Tools that work for you

Part No. **213151**

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

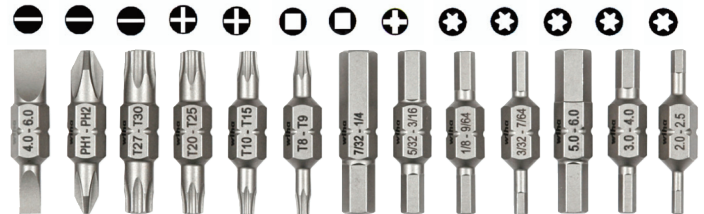
T20 & T25, T27 & T30

**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



## "Industrial" ULTRA DRIVER



26  
one

wiha  
Tools that work for you

Part No. **213152**

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

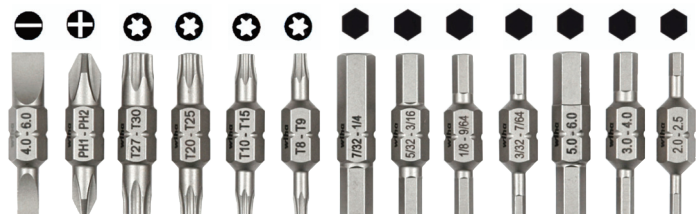
T27 & T30

**Phillips:** #1 & #2

**Slotted:** 4.0 & 6.0mm

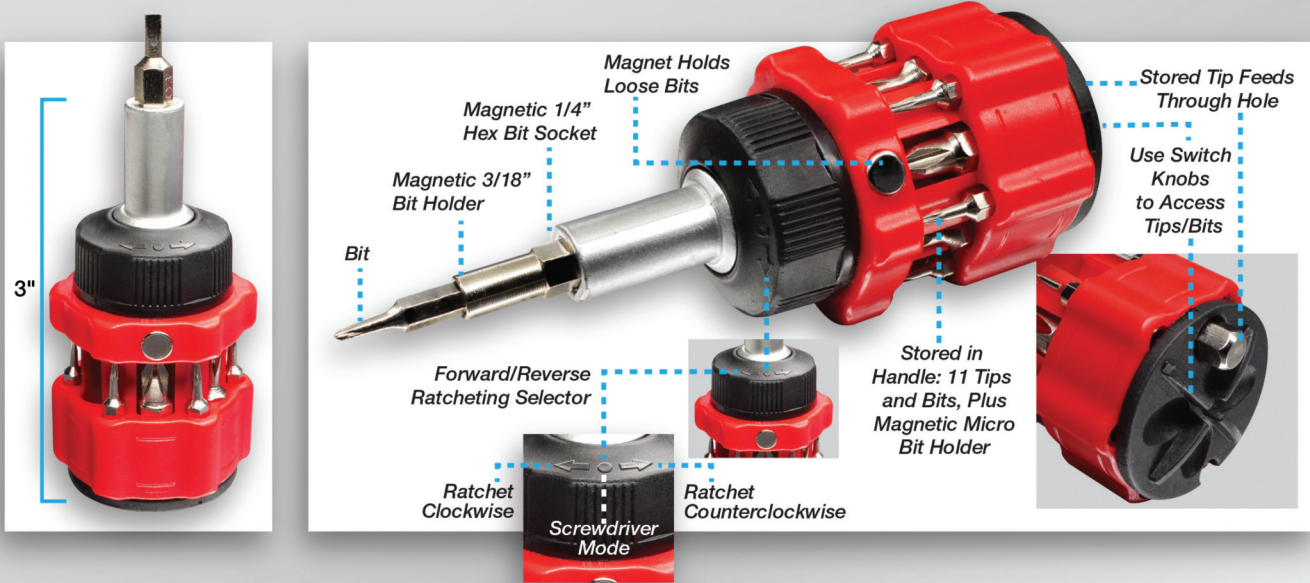
**Metric Hex:** 2.0 & 2.5, 3.0 & 4.0,  
5.0 & 6.0mm

**Inch Hex:** 3/32" & 7/64", 1/8" & 9/64",  
5/32" & 3/16", 7/32" & 1/4"



# 12-IN-1 POCKET DRIVER

*All bits and tips are conveniently stored in slots in the handle!*



## 12-in-1 Pocket Driver

### Features

- Forward/reverse ratcheting selector easily locks into place
- Swivel switch knobs at handle end to place hole at the bit you need to access
- Magnetic micro bit holder
- Magnetic hex bit socket
- Magnet on screwdriver handle holds onto bits not yet installed; attaches tool to metal surface within easy reach

### Included in this 13-Piece Set:



Order Part No. **213156**

*Perfect for the service technician, mechanic, craftsman or maintenance personnel*



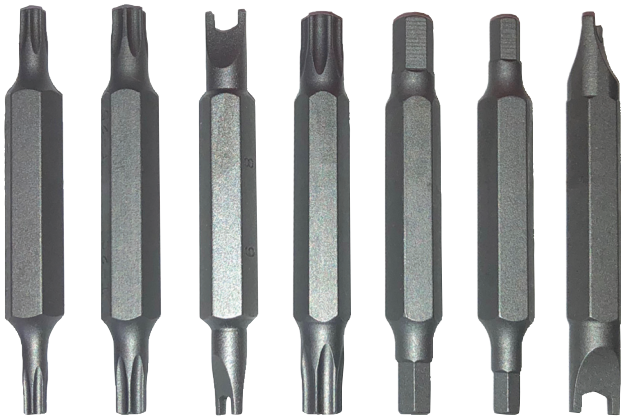
# TAMPERPROOF

## 15-IN-1 SCREWDRIVER








**Ideal For:**  
**Electricians, Locksmiths,**  
**Telephone Technicians, Maintenance**  
**and Prison Facilities**

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

Proudly Made in  
the U.S.A



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	<b>1/4" hex drive</b>

Part No. **213153**





# TubiX® Pipe Cutter Features:



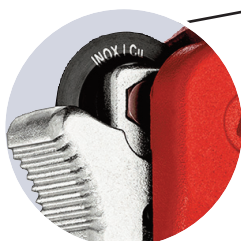
**Cutting Capacity** – cuts copper, brass and stainless steel pipe from 1/4" to 1-3/8" (0.6mm to 35mm) with a wall thickness up to 2mm



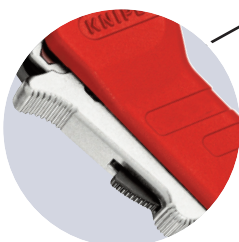
**Deburring Tool** – precision ground deburring blade is also removeable – slides out of the way when not in use

**Needle Bearings** – high quality needle bearing allow for smooth cutting

**Cutting Wheel** – made of high-quality ball-bearing steel



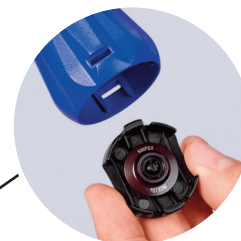
**QuickLock** – the cutting wheel can easily be positioned on the pipe with single-handed quick adjustment – precise positioning on the pipe



**Durable Construction** – body is constructed of magnesium

Part No.  
**113283**

PAT. PEND.



**Extra Blade** – stored in end of handle

## CUTS: COPPER • STAINLESS STEEL • BRASS

DIAMETERS FROM 1/4" TO 1-3/8" (0.6MM TO 35MM) WITH A WALL THICKNESS UP TO 2MM

### How to use the KNIPEX TubiX® pipe cutter in four steps



1 Position the opened KNIPEX TubiX®.



2 Push the cutting wheel against the pipe with the QuickLock single hand quick adjustment: fastest adjustment to different pipe diameters.



3 Tighten blue handle as you rotate the cutting wheel around the pipe.



4 Use the removable deburring tool to deburr the end of the cut.



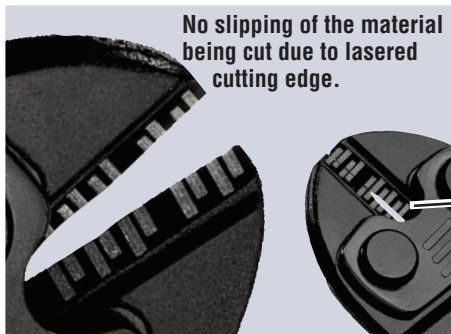
# Compact Bolt Cutters

Now available with a blade recess for easier cutting of larger materials!

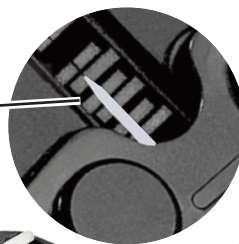


**Heavy-duty cutting edge with recess slices through the hardest round materials in only one cutting action!**

- Extremely high cutting performance in a convenient length of 6-1/4" (160mm).
- Small, slim head for better access to confined areas.
- Compact and powerful: cuts bolts, nails, rivets etc. up to a diameter of 13/64" (5.3mm).



No slipping of the material being cut due to lasered cutting edge.



Blade recess – for easier cutting of larger materials.



Gripping surface – for pulling wire.



Part No.

## 113297

Actual size shown.  
(6-1/4" Length)

- Heavy duty, induction hardened edges for cutting thin, hard wire, screws and springs. Cutting edge hardness (approx. 64 HRC).
- Less physical effort required due to efficient lever action mechanism.
- Gripping surface below the joint for gripping and pulling wires with a diameter from 3/64" (1.0 mm).
- Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened.



SEE VIDEO ON WEBSITE.

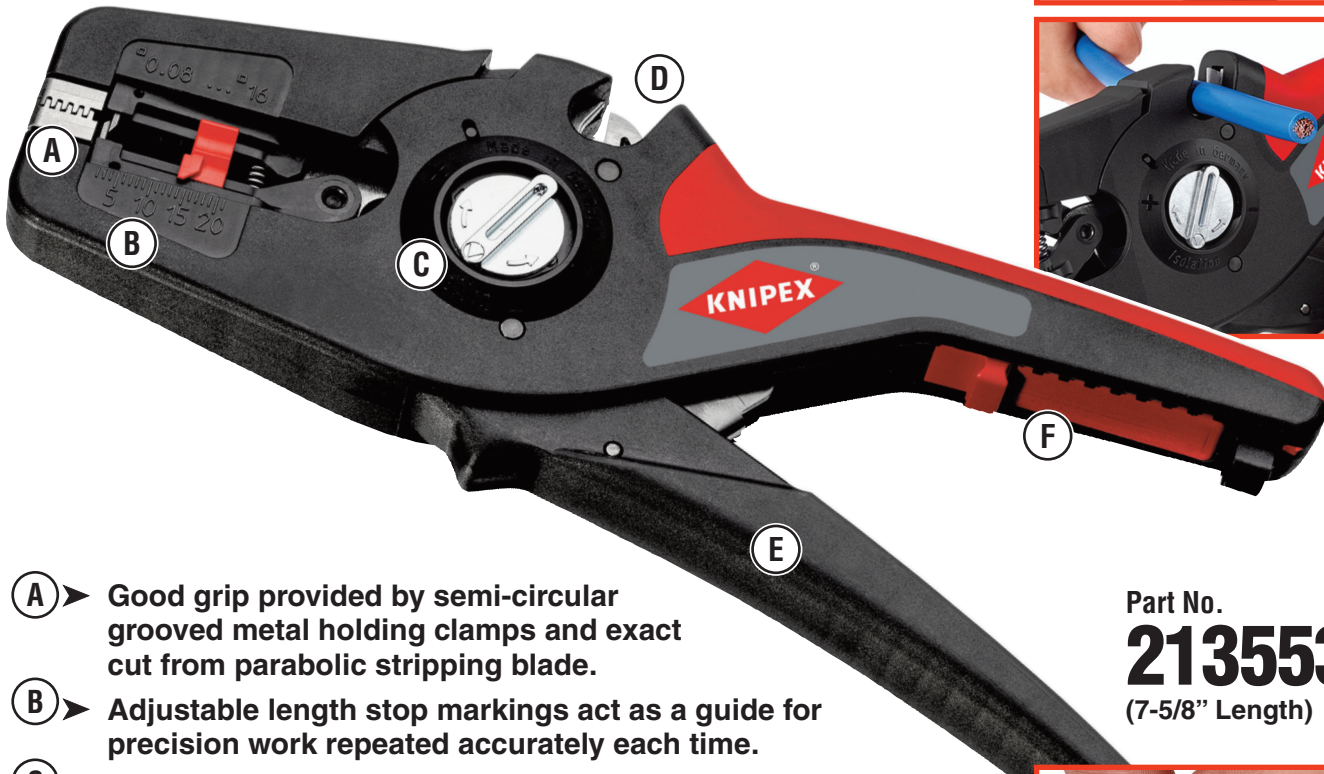
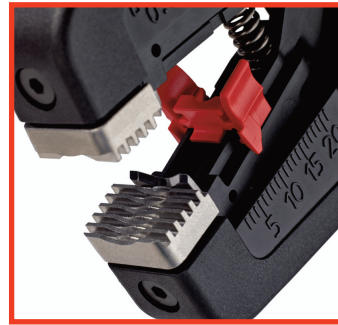


# PreciStrip16 Stripping Pliers

*Simple, precise stripping of fine wires and solid round cables!*

**Automatically strips practically all cables with cross-sections from 0.08 to 16mm<sup>2</sup> with only one pair of pliers!**

- Parabolic blades separate insulation and automatically pulls it back.
- Automatically adjusts to cable diameters between 28 to 6 AWG.

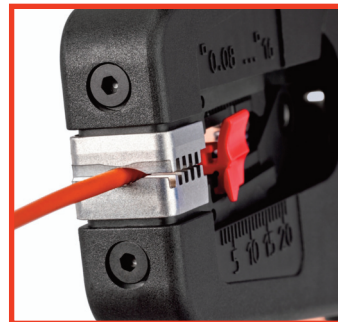


Part No.

**213553**

(7-5/8" Length)

- A** ➤ Good grip provided by semi-circular grooved metal holding clamps and exact cut from parabolic stripping blade.
- B** ➤ Adjustable length stop markings act as a guide for precision work repeated accurately each time.
- C** ➤ Fine adjustment dial enables accurate setting of the blade depending on the thickness of the insulation for special material requirements, e.g. due to large temperature changes.
- D** ➤ Built-in cable cutter cuts up to 6 AWG.
- E** ➤ Comfortable operation with ergonomic dual-component handle.
- F** ➤ Customizable with a space to write your name on the inside of the handle.
  - Easily replaceable blade cassette. (available separately)
  - Not for THHN Cable.



SEE VIDEO ON WEBSITE.

**EASY AS 1 - 2 - 3**





# Siphon & Connector Pliers

*Comes with a plastic set of jaws to prevent marking or scratching*

**KNIPLEX**®

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

- Box joint design for greater stability and durability.
- Working capacity: 10mm to 65mm.
- Ideal for tightening and loosening siphon screw connections, plastic pipe fittings and round union nuts.
- Detaches hoses and gently loosens stuck hoses and fittings.
- Fine serrated edge grips screw connections gently but powerfully.



**25** ADJUSTMENT  
POSITIONS

Part No.

**113504**

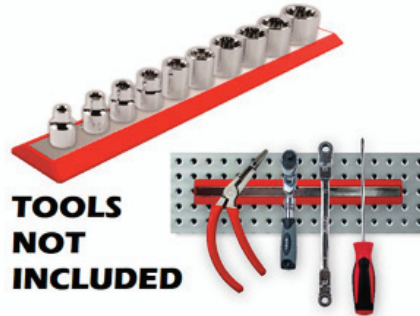
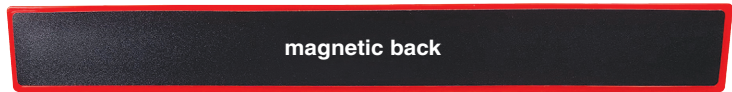
Actual size shown.  
(10" Length)

# HANDY SHOP ITEMS

## MAGNETIC ORGANIZER

- Can be utilized in many areas depending on your space and needs.
- You can wand the tool over your work area to pick up small parts - or - stick it to the side of your metal tool box to free up space inside.
- The non -marring base firmly attaches to metal surfaces without scratching.
- Use for inside of drawers, inside the hood of a car, a steel cabinet and more.
- It has a slim design and it constructed of stainless steel.
- Use it for mounting screwdrivers, wrenches, sockets, pliers, saw blades, fasteners, scissors or any other metal object.
- Size: 10-1/4" L x 1-1/4" W.

Part No. **113685**



## MAGNETIC QUAD TRAY

- A unique collapsing & expanding deisgn allows for low profile storage, coupled with versatility to expand and securely hold parts.
- Using a high-tensile silica material, the tray will hold up to the harshest conditions and is impervious to most automotive fluids.
- The inside base plates are made of ABS plastic which integrates five strong neodymium magnets. These magnets secure ferrous metal parts to the inside of the tray.
- The bottom of the tray will stick to most metal surfaces.
- Approx: 9" L x 9" W x 2" H.
- Expands: 0.75 to 2" H.

Part No. **113684**



collapsed



expanded





# 3M DUAL LOCK RECLOSABLE FASTENING SYSTEM

**5X's stronger than hook-and-loop fasteners. Made of tough, polyolefin.**  
**The acrylic adhesive is well suited for applications exposed to high temperatures or for high surface energy (HSE) materials.**

## SOLVE ATTACHMENT CHALLENGES IN AN INSTANT

The mushroom-shaped heads easily slide over each other allowing for the positioning of parts before they are snapped together. When mated, the fasteners are hidden from view and leave an unbroken surface to help create a smooth, clean appearance. The clear acrylic adhesive is designed to bond to metals, glass and high surface energy (HSE) plastics.

## HOW IT WORKS

When two pieces are pressed together, the stems flex and the mushroom heads slide past each other. After passing the mushroom heads on the opposing mating piece, a stem snaps up into its original position, interlocking with the opposing heads. The audible snap signals the fastener is engaged, but will peel apart for repositioning



## WHERE IT'S USED

Extensively in transportation, electronics, business equipment, machinery, medical, and sign and display markets. Applications include attaching signs, enclosure panels, banners, repositionable shelving, vehicle ceiling panels, furniture seats and backs and marine carpeting.

Today, designers, manufacturers, and consumers expect more options to secure, attach and connect surfaces. **3M Dual Lock Reclosable Fasteners** offer instant installation and high-strength attachment, yet can be opened as easily as zippers. That functional flexibility, as well as superior aesthetics, reduced weight, and savings in labor and installation costs, make these innovative fasteners a popular and effective solution.

- Snap-in-place installation replaces screws and nails, snaps, and rivets
- Reclosable system is up to five times stronger than typical hook-and-loop fasteners
- Clear acrylic adhesive bonds well to aluminum, steel, acrylic, glass, wood, rigid vinyl
- Fastener provides a clear, clean, smooth appearance
- Ideal for indoor and outdoor use to attach doors, access panels, cushions, headliners, signs & display components

**VHB (very high bond) pressure sensitive,  
UV resistant, adhesive backing. Can also be stapled or sewn.**

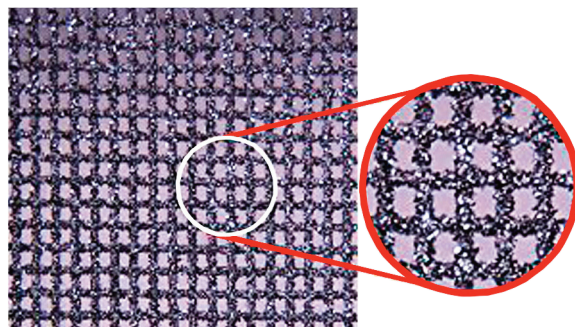
Part No. **312190**  
1" x 4.9 yds.



# SILICON CARBIDE SCREEN CLOTH

*For polishing commutators, removing burrs from shafts, cleaning engine heads after removing valve cover gaskets, removing paints and varnishes, buffing fiberglass cars and boats and removing rust buildup.*

- Impregnated with a silicon carbide abrasive.
- Design prevents loading.
- Will outlast and outperform heavy-duty abrasive sandpaper and emery cloth.
- Double-sided.
- Wash with soap and water and reuse.
- Can be used wet or dry on metal, wood and plastic.



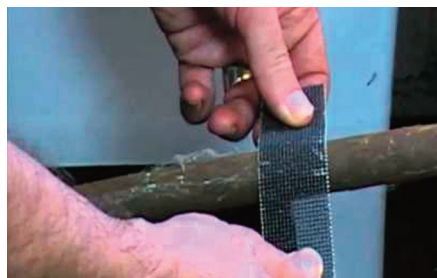
## DISPENSER ROLLS

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



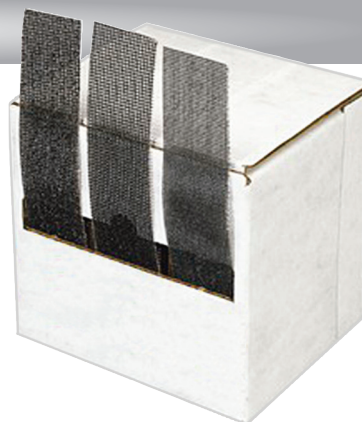
## ASSORTMENT

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



### Replacement Rolls

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



Part No. **812440**

**CAUTION:** Protect yourself from product breakage and flying particles. Always wear eye and face protection, and make sure machine guards are in place. Comply with ANSI B7.1.



STOP WIRE CORROSION

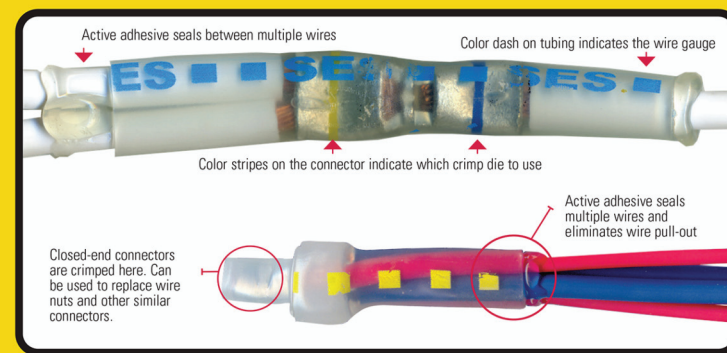
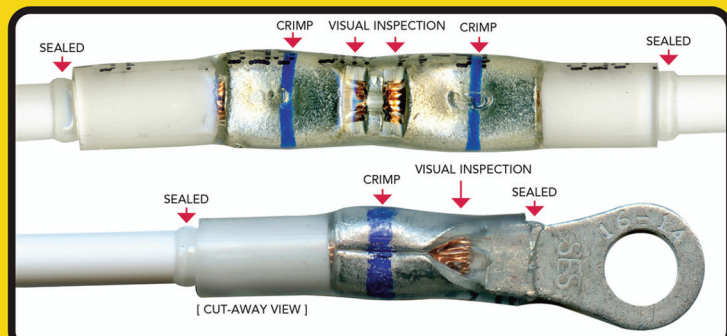
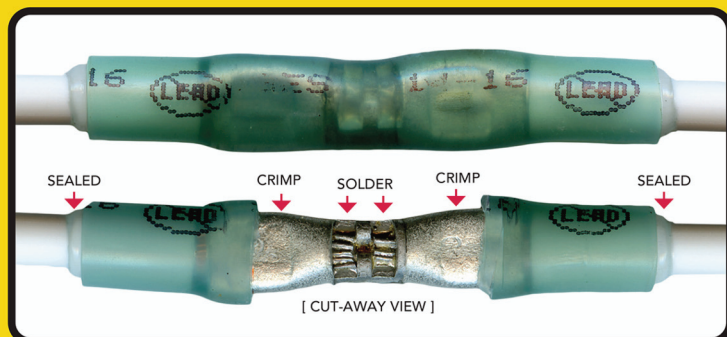
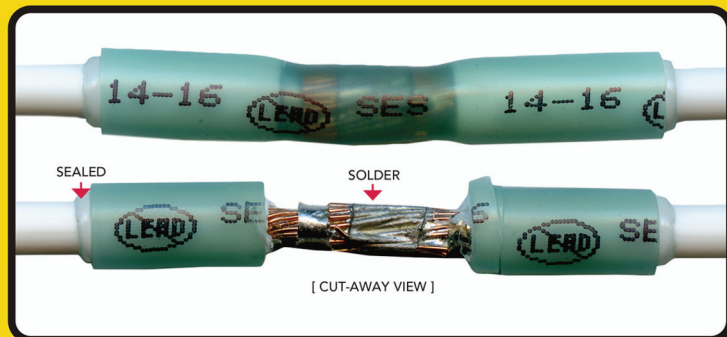
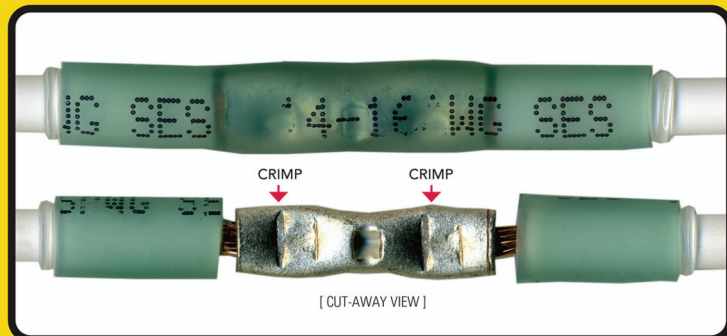
Corroded Wire

Adhesive-Lined Waterproof Seal

MAKE PERMANENT  
REPAIRS

SEALED  
HEAT SHRINK  
CONNECTORS

SMP112320B PRO-LINE

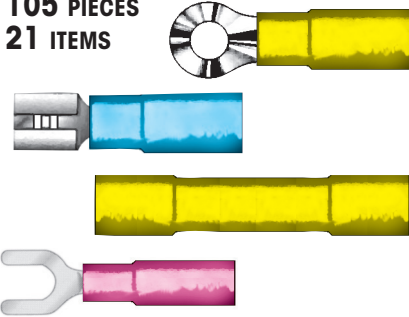


# GET ORGANIZED !!

## TERMINALS

### SHRINK 'N SEAL TERMINALS

105 PIECES  
21 ITEMS



CAT E10-25  
Part No. **501476**

ASSORTMENT SHRINK 'N SEAL TERMINALS										PART NO. <b>501476</b>	TRAY NO. 12017 501476
1	2	3	4	5	6	7	8	9	10	11	12
12-10 GA. Size: #10 Ring Tongue	12-10 GA. Size: 1/4 Ring Tongue	12-10 GA. Size: 3/8 Ring Tongue		12-10 GA. Size: #6 Spade Tongue	12-10 GA. Size: #10 Spade Tongue						
13	14	15	16	17	18	19	20	21	22	23	24
16-14 GA. Size: #8 Ring Tongue	16-14 GA. Size: 1/4 Ring Tongue			16-14 GA. Size: #8 Spade Tongue	16-14 GA. Size: #10 Spade Tongue						
22-18 GA. Size: #8 Ring Tongue	22-18 GA. Size: #10 Ring Tongue			22-18 GA. Size: #6 Spade Tongue	22-18 GA. Size: #8 Spade Tongue						
22-18 GA. Female Quick-Disconnect	16-14 GA. Female Quick-Disconnect	12-10 GA. Female Quick-Disconnect		22-18 GA. Butt Connector	16-14 GA. Butt Connector						

### SOLDER 'N SEAL TERMINALS

160 PIECES  
32 ITEMS



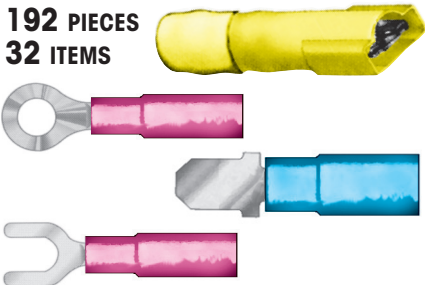
B10-40  
REVISED OCTOBER, 2012

CAT E10-13  
Part No. **501471**

ASSORTMENT SOLDER 'N SEAL TERMINALS										PART NO. <b>501471</b>	TRAY NO. 12062 501471
1	2	3	4	5	6	7	8	9	10	11	12
5/16" Stud 12-10 Gauge Wire	3/8" Stud 12-10 Gauge Wire	1/2" Stud 12-10 Gauge Wire	10 Stud 12-10 Gauge Wire	12-10 Gauge Wire	Female Disconnect 12-10 Gauge Wire	Fully Insulated Female Disconnect 12-10 Gauge Wire	Male Disconnect 12-10 Gauge Wire				
3/8" Stud 16-14 Gauge Wire	10 Stud 16-14 Gauge Wire	16-14 Gauge Wire	Female Disconnect 16-14 Gauge Wire	Fully Insulated Female Disconnect 16-14 Gauge Wire	Male Disconnect 16-14 Gauge Wire	10 Stud 12-10 Gauge Wire	1/4" Stud 12-10 Gauge Wire				
Female Disconnect 20-18 Gauge Wire	Fully Insulated Female Disconnect 20-18 Gauge Wire	Male Disconnect 20-18 Gauge Wire	6 Stud 16-14 Gauge Wire	9 Stud 16-14 Gauge Wire	18 Stud 16-14 Gauge Wire	1/4" Stud 16-14 Gauge Wire	5/16" Stud 16-14 Gauge Wire				
6 Stud 20-18 Gauge Wire	8 Stud 20-18 Gauge Wire	10 Stud 20-18 Gauge Wire	1/4" Stud 20-18 Gauge Wire	5/16" Stud 20-18 Gauge Wire	3/8" Stud 20-18 Gauge Wire	10 Stud 20-18 Gauge Wire	20-18 Gauge Wire				

### MULTILINK TERMINALS

192 PIECES  
32 ITEMS



CAT E10-16  
Part No. **501684**

ASSORTMENT MULTILINK TERMINALS										PART NO. <b>501684</b>	TRAY NO. 12064 501684
1	2	3	4	5	6	7	8	9	10	11	12
Wire Range: 20-18 Size: 1/4" Type: Ring Tongue	Wire Range: 20-18 Size: 8 Type: Spade Tongue	Wire Range: 16-14 Size: 6 Type: Ring Tongue	Wire Range: 16-14 Size: 6 Type: Spade Tongue	Wire Range: 16-14 Size: 8 Type: Spade Tongue	Wire Range: 12-10 Size: 1/4" Type: Ring Tongue	Wire Range: 12-10 Size: 10 Type: Spade Tongue	Wire Range: 12-10 Size: 200 Blade Type: Female Disconnect				
Wire Range: 20-18 Size: 12 Type: Ring Tongue	Wire Range: 20-18 Size: 8 Type: Spade Tongue	Wire Range: 16-14 Size: 6 Type: Ring Tongue	Wire Range: 16-14 Size: 6 Type: Spade Tongue	Wire Range: 16-14 Size: 8 Type: Spade Tongue	Wire Range: 12-10 Size: 10 Type: Ring Tongue	Wire Range: 12-10 Size: 8 Type: Spade Tongue	Wire Range: 12-10 Size: 200 Blade Type: Female Disconnect				
Wire Range: 20-18 Size: 8 Type: Ring Tongue	Wire Range: 20-18 Size: 250 Blade Type: Female Disconnect	Wire Range: 16-14 Size: 6 Type: Ring Tongue	Wire Range: 16-14 Size: 6 Type: Spade Tongue	Wire Range: 16-14 Size: 8 Type: Spade Tongue	Wire Range: 12-10 Size: 10 Type: Ring Tongue	Wire Range: 12-10 Size: 1/2" Type: Ring Tongue	Wire Range: 12-10 Size: 200 Blade Type: Male Disconnect				
Wire Range: 20-18 Size: 6 Type: Ring Tongue	Wire Range: 20-18 Size: 250 Tab Type: Ring Tongue	Wire Range: 16-14 Size: 10 Type: Ring Tongue	Wire Range: 16-14 Size: 10 Type: Spade Tongue	Wire Range: 16-14 Size: 250 Tab Type: Butt Connector	Wire Range: 16-14 Size: 3/8" Type: Ring Tongue	Wire Range: 12-10 Size: 3/8" Type: Ring Tongue	Wire Range: 12-10 Size: 200 Blade Type: Ring Tongue				




# GET ORGANIZED !!

## TERMINALS & ELECTRICAL CONNECTORS

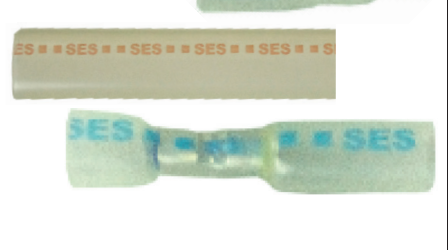
**ASSORTMENT**  
**MULTI-WIRE SHRINK CONNECTORS**

PART NO. **501750** TRAY NO. 12001

<b>HEAT SHRINK TUBING</b> 0.300 ID 22-10 AWG Wire RangeClear Tubing - Red Dash Multiple Wire - High Adhesive 612166	<b>HEAT SHRINK TUBING</b> 0.350 ID 16-8 AWG Wire Range Clear Tubing - Blue Dash Multiple Wire - High Adhesive 612164	<b>IN-LINE BUTT CONNECTORS</b> Wire: 24-22 AWG Taping: CLEAR/WHITE Dashes Side 1: WHITE Stripe Side 2: RED Stripe 210600	 <b>SUPER BLASTER TORCH</b> • Self Igniting • Refillable • Hand held or table top 412227
<b>HEAT SHRINK TUBING</b> 0.450 ID 14-4 AWG Wire Range Clear Tubing - Yellow Dash Multiple Wire - High Adhesive 612990	<b>HEAT SHRINK TUBING</b> 0.700 ID 8-2.0 AWG Wire Range RangeClear Tubing - Red Dash Multiple Wire - High Adhesive 612991	<b>IN-LINE BUTT CONNECTORS</b> Wire: 20-18 AWG Taping: CLEAR/RED Dashes Side 1: RED Stripe Side 2: BLUE Stripe 210601	
		<b>IN-LINE BUTT CONNECTORS</b> Wire: 16-14 AWG Taping: CLEAR/BLUE Dashes Side 1: BLUE Stripe Side 2: YELLOW Stripe 210602	
		<b>IN-LINE BUTT CONNECTORS</b> Wire: 12-10 AWG Taping: CLEAR/YELLOW Dashes Side 1: YELLOW Stripe Side 2: RED Stripe 210603	
		<b>CLOSED END CONNECTORS</b> Wire: 22-14 AWG Taping: CLEAR/BLUE Dashes 210675	<b>CLOSED END CONNECTORS</b> Wire: 18-10 AWG Taping: CLEAR/YELLOW Dashes 210676

### MULTI-WIRE SHRINK CONNECTORS


**85 PIECES**  
**11 ITEMS**



CAT E12-12  
Part No. **501750**

**ASSORTMENT**  
**Most Popular Shrink 'N Seal Terminals w/Torch**

PART NO. **501757** TRAY NO. 12002

<b>In-Line Butt Connector</b> Wire range: 20-18 210601 LIST	<b>Butt Connector</b> Wire range: 22-18 Size: 10 210250 LIST	<b>Ring Tongue</b> Wire range: 22-18 Size: 10 210307 LIST			
<b>In-Line Butt Connector</b> Wire range: 16-14 210602 LIST	<b>Butt Connector</b> Wire range: 16-14 Size: 250 Tab 210251 LIST	<b>Fully Ins. Male Disconnect</b> Wire range: 16-14 Size: 250 Blade 210343 LIST	<b>Fully Ins. Female Disconnect</b> Wire range: 16-14 Size: 250 Blade 210344 LIST	<b>Female Disconnect</b> Wire range: 16-14 Size: 1/4" Blade (.250) 210334 LIST	 <b>TORCH</b>
<b>Ring Tongue</b> Wire range: 16-14 Size: 8 210315 LIST	<b>Ring Tongue</b> Wire range: 16-14 Size: 10 210316 LIST	<b>Ring Tongue</b> Wire range: 16-14 Size: 1/4" 210317 LIST	<b>Ring Tongue</b> Wire range: 16-14 Size: 3/8" 210319 LIST		
<b>In-Line Butt Connector</b> Wire range: 12-10 210603 LIST	<b>Butt Connector</b> Wire range: 12-10 Size: 10 210252 LIST	<b>Ring Tongue</b> Wire range: 12-10 Size: 10 210326 LIST	<b>Ring Tongue</b> Wire range: 12-10 Size: 1/4" 210329 LIST	<b>Ring Tongue</b> Wire range: 12-10 Size: 3/8" 210331 LIST	

### SHRINK 'N SEAL TERMINALS w/MINI TORCH

**103 PIECES**  
**18 ITEMS**



CAT E10-21  
Part No. **501757**

**ASSORTMENT**  
**E-Z VIEW BUTT CONNECTORS & CLEAR-VIEW ADHESIVE-LINED HEAT SHRINK TUBING**

PART NO. **501768** TRAY NO. 12001

<b>E-Z VIEW COLOR-CODED WINDOW BUTT CONNECTOR</b> Wire Gauge: 22-18 Taping: CLEAR Color-coded Stripes: RED 210160	<b>E-Z VIEW COLOR-CODED WINDOW BUTT CONNECTOR</b> Wire Gauge: 16-14 Taping: CLEAR Color-coded Stripes: BLUE 210161	<b>E-Z VIEW COLOR-CODED WINDOW BUTT CONNECTOR</b> Wire Gauge: 12-10 Taping: CLEAR Color-coded Stripes: YELLOW 210162
<b>CLEAR-VIEW ADHESIVE-LINED HEAT SHRINK TUBING</b> Wire Gauge: 22-18 Tubing Length: 6" 210163	<b>CLEAR-VIEW ADHESIVE-LINED HEAT SHRINK TUBING</b> Wire Gauge: 16-14 Tubing Length: 6" 210164	<b>CLEAR-VIEW ADHESIVE-LINED HEAT SHRINK TUBING</b> Wire Gauge: 12-10 Tubing Length: 6" 210165

### E-Z VIEW BUTT CONNECTORS & CLEAR-VIEW ADHESIVE-LINED HEAT SHRINK TUBING

**78 PIECES**  
**6 ITEMS**



CAT E10-22  
Part No. **501768**

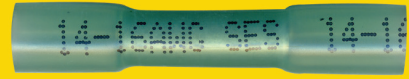
# Shrink 'N Seal Connectors

## Excellent Mechanical Connection!

Our Sealed Crimp Connector product line is the finest line of "crimp-and-seal" connectors on the market today. The use of only the finest components, and an expanded product selection place Sealed Crimp Connectors squarely at the top of the class.

- Crimp provides mechanical reliability for excellent conductivity
- Seal prevents wire corrosion ... Keeps out moisture and road salts

## GOOD!



**50% stronger than a common vinyl connector**

# Solder 'N Seal Connectors

## A Superior Electrical Connection!

Sealed Solder Connectors provide a high quality, sealed solder connection that takes the guesswork out of soldering. Soldered terminations provide superior tensile strength and conductivity.

- NO CRIMPING!! .... Solder terminations
- Solder provides maximum tensile strength & conductivity
- Seal prevents wire corrosion ... Keeps out moisture and road salts

## BETTER!!



**75% stronger than a common vinyl connector**

# MultiLink Connectors

## The Ultimate Electrical Connection!

Sealed Crimp & Solder Connectors are crimped for mechanical reliability, soldered for superior strength and conductivity, and sealed for maximum durability.

- Crimp provides mechanical reliability & holds wires in place for soldering
- Solder provides maximum tensile strength & conductivity
- Seal prevents wire corrosion ... Keeps out moisture and road salts

## BEST!!!



**81% stronger than a common vinyl connector**

# E-Z View Connectors

## Take the Guesswork out of Crimping!

Sealed Crystal Clear Connectors are designed to provide optimal visual assurance that the termination is installed properly and offers visual inspection of the wire condition over the life of the termination.

- Crystal-clear tubing provides unparalleled visual inspection and weatherproof seal
- Window ensures the wire is stripped to proper length and is fully seated to wire stop
- Color-coded stripes identify wire gauge size and show where to crimp the connector



**50% stronger than a common vinyl connector**

# Multiple Wire Connectors

## In-Line Butt Connector

- Allows splicing 2 wires to 1 wire
- Easy to crimp for a strong mechanical termination
- Window allows visual inspection
- Seal prevents wire corrosion

## Closed-End Connector

- Joins 2 wires to 4 wires
- In environments where corrosion and/or vibration are a problem, can be used to replace wire nuts and other similar connectors.
- Seal prevents pull-out and wire corrosion

