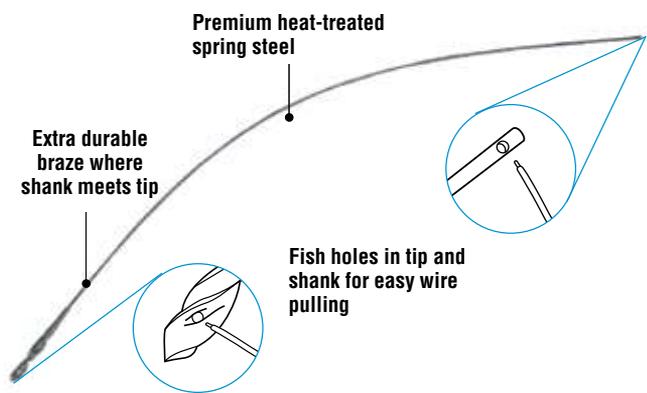


## Flexible Drill Bits



### Screw Point Flexible Drill Bits, Type B



- Fast and aggressive, self-starting bit
- Ultra-sharp ground threads provide increased pulling power through obstructions
- Designed for easy to tough wood drilling

Description	Shank (in.)	Cat. No.
3/8 in. x 54 in. Screw Point Flexible Bit	3/16	90-082
1/2 in. x 54 in. Screw Point Flexible Bit	3/16	90-085
9/16 in. x 54 in. Screw Point Flexible Bit	3/16	90-088
3/4 in. x 54 in. Screw Point Flexible Bit	1/4	90-091

### Serrated Combination Flexible Bits, Type C



- Fast and aggressive, self-starting bit
- Ultra-sharp ground threads provide increased pulling power through obstructions
- Designed for easy to tough wood and light metal drilling

Description	Shank (in.)	Cat. No.
1/4 in. x 54 in. Serrated Combination Flexible Bit	3/16	90-063
3/8 in. x 54 in. Serrated Combination Flexible Bit	3/16	90-067
1/2 in. x 54 in. Serrated Combination Flexible Bit	3/16	90-070
9/16 in. x 54 in. Serrated Combination Flexible Bit	3/16	90-073

### Flexible Bit Extension

- Connect to chuck end of shaft to increase the length of the bit

Description	Shank	Cat. No.
3/16 in. x 36 in. Flexible Bit Extension	3/16	90-170
1/4 in. x 36 in. Flexible Bit Extension	1/4	90-173

## Flexible Bit Replacement Tool



Description	Cat. No.
Flexible Bit Replacement Tool	90-176

## Installer Bits

- Hole in fluted head for pulling wires through walls, ceiling and floors
- Flutes designed for quick chip removal – no clogging or binding
- Premium quality, extra-hard 52-100 carbon bearing steel



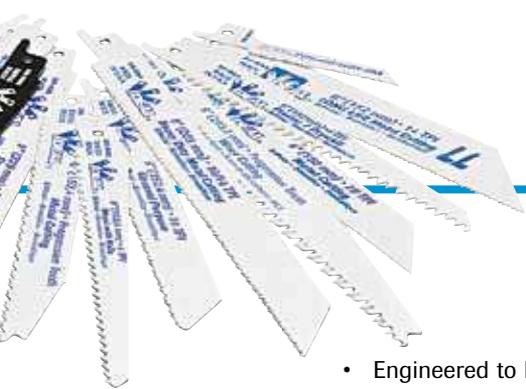
Description	Length	Cat. No.
Installer Bit - 1/4 in.	18 in.	35-870
Installer Bit - 3/8 in.	18 in.	35-871
Installer Bit - 1/2 in.	18 in.	35-872

## Power Spade Bits

- The most innovative and fastest spade bit
- Smooth and effortless drilling
- Max operating speed 1500 RPM
- Available in a variety of sizes
- Offers less vibration than other bits



Description	Cat. No.
3/4 in. x 4 in. stubby	36-403
7/8 in. x 4 in. stubby	36-404
1 in. x 4 in. stubby	36-405
1/2 in.	36-413
5/8 in.	36-415
3/4 in.	36-417
7/8 in.	36-419
1 in.	36-421
1-1/8 in.	36-422
1-1/4 in.	36-423
4-pc. Kit with pouch (5/8 in., 3/4 in., 7/8 in., 1 in.)	36-432



## Long-Life Metal Cutting Reciprocating Blades

- Engineered to be the longest lasting, metal cutting blades available
- Long-life blades perform up to three times as many cuts as similar metal cutting blades
- 8% cobalt cutting edge for extreme durability
- Shatterproof bi-metal design
- Longer life for greater value



Long-Life Blades	L/W/TH (Inches)	TPI	Material	Blade Back	Qty.	Application	Cat. No.
	6 x 3/4 x .035	18	Bi-metal	Straight	5	Long-Life blade for cutting structural steel, pipe, conduit, stainless steel, sheet metal: 1/6" - 3/16" thick	<b>36-043</b>
	8 x 3/4 x .035	18	Bi-metal	Straight	5	Long-Life blade for cutting structural steel, pipe, conduit, stainless steel, sheet metal: 1/6" - 3/16" thick	<b>36-044</b>
	6 x 1 x .042	14	Bi-metal	Straight	5	Long-Life blade for cutting rebar, barstock, angle iron and other heavy gauge metals: 1/8" and thicker	<b>36-046</b>
	12 x 1 x .050	14	Bi-metal	Straight	5	Long-Life blade for cutting rebar, barstock, angle iron and other heavy gauge metals: 1/8" and thicker	<b>36-048</b>

## Progressive Tooth Reciprocating Blades

- Specially designed for all purpose cutting
- Cut multiple materials without changing blades
- Tough bi-metal and HCS construction for long life.

Long-Life Blades	L/W/TH (Inches)	Blade Back	Qty.	Application	Cat. No.
	6 x 3/4 x .035	Bi-Metal	5	All metal, non-ferrous metal, sheet metal, pipe and other metal materials	<b>36-056</b>

## Portable Band Saw Blades



- Bi-metal construction
- Fit all standard portable band saw machines
- For pipe, tubing and solids
- Cut any machinable metal, including conduit, angle iron, structurals, rebar and stainless steel tubing

L/W/TH (In.)	TPI	Qty./Pack	Cat. No.
44-7/8 x 1/2 x .020	10	3	<b>36-070</b>
44-7/8 x 1/2 x .020	14	3	<b>36-071</b>
44-7/8 x 1/2 x .020	18	3	<b>36-072</b>
44-7/8 x 1/2 x .020	24	3	<b>36-073</b>

## Selecting the TPI (Teeth Per Inch)

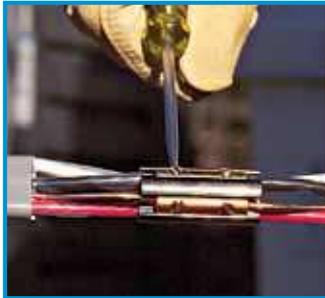
An important factor in obtaining a smooth cut is to determine the teeth per inch (TPI).

Use a coarser blade (2 - 3 TPI) for sawing wood and materials up to 8" thick. A finer blade (18 - 32 TPI) should be used for thinner materials under 1/4".

You should know the SFM for various speed settings on your band saw. This is helpful when selecting the proper speed for the materials being cut. (Be sure to check the owner's manual for your band saw.)

## Thermo-Shrink® UF Splice Kits

- Direct burial rated
- 14/3 with and without ground thru 8/3 without ground, UF cable range
- Stretcher kit repairs a 7 in. to 10 in. section damaged or destroyed by a trencher
- 600V Maximum, 105°C rating
- Meets the requirements of the 2002 NEC Code 110-14(b) and UL486D



Description	Cat. No.
 UF Splice Kit - 14-8 AWG, Tubing 1.1 in. x 8 in.	<b>46-400</b>
 UF Stretcher Kit* - 14-8 AWG, Tubing 1.1 in. x 18 in.	<b>46-410</b>

\*Stretcher kit connector is 11.5 in.

## Thermo-Shrink® Copper Butt Splice Kits

- UL Listed
- Provides a fully-insulated butt splice
- 600V Maximum, 105°C rating



Description	Cat. No.
 Butt Splice Kit – Copper 14-8 AWG	<b>46-404</b>
 Butt Splice Kit – Copper 8-2 AWG	<b>46-405</b>

## Thermo-Shrink® Al/Cu Splice Kits

- Direct burial rated, underground splice kits
- Heavy-wall heat shrink tubing with adhesive liner provides complete insulation and protection
- Connector can be used for aluminum and/or copper cable
- Meets the requirements of the 2005 NEC Code 110-14(B)
- 600V maximum, 105°C rating

Description	Cat. No.
 Underground Splice Kit – 8 to 4 AWG, Tubing 3/4 in. x 6 in.	<b>46-401</b>
 Underground Splice Kit – 4 AWG to 1/0, Tubing 1.1 in. x 8 in.	<b>46-402</b>
 Underground Splice Kit – 1/0 to 250 KCMIL, Tubing 1-1/2 in. x 12 in.	<b>46-403</b>

## Thermo-Shrink® Heat Shrink Kit

Kit includes:

- Heat Elite Pro Heat Gun
- Eleven sizes of thin-wall heat shrinkable tubing disks (3/64 in. – 1 in.)
- Small deflector
- Premium T®-Cutter Wire Cutter

Description	Cat. No.
Kit includes: 46-203, 45-123, 45-941 & 46-600 through 46-610	<b>46-007</b>



## Universal 120/277V Breaker Lockouts

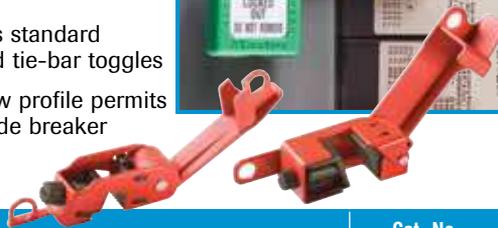
- Use thumbscrew to clamp lockout securely on to switch tongue, then pull cover over thumbscrew and lock in place to prevent clamp from being loosened
- New blade design provides tighter grip with less torque on thumbscrew



Description	Qty.	Cat. No.
 Single-Breaker Lockouts	3	<b>44-809</b>
 Cleat for Single-Pole Breaker Lockouts	3	<b>44-785</b>
Single-Pole Breaker Lockouts	50	<b>44-1809</b>

## Circuit Breaker Lockouts

- Attaches securely to breaker with simple thumb turn and clamping handle
- 44-956 is designed for breakers with wide or tall toggles
- 44-957 fits standard height and tie-bar toggles
- The narrow profile permits side-by-side breaker lockout



Description	Cat. No.
 Circuit Breaker Lockout, wide & tall toggles	<b>44-956</b>
 Circuit Breaker Lockout, standard toggles	<b>44-957</b>

## Hinged Single-Pole Breaker Lockouts

- Hinged single-pole lockout with locking post design, locks lever in off position to isolate and prevent breaker use
- Ideal for applications where panel closure is preferred
- Please see breaker guide for your application (pg. 99)



Description	Qty.	Cat. No.
 Hinged Single-Pole Breaker Lockouts	3	<b>44-810</b>
Hinged Single-Pole Breaker Lockouts	100	<b>44-1810</b>

## Multi-Pole Breaker Lockout

- Works with most major multi-pole breakers with tie-bar type switches including GE, ITE Sylvania, Challenger, Bryant, Westinghouse, Square D (2/3 poles) and General Switch Co.
- Easy to install – thumbscrew secures and locks tie bar in place; no cable ties or tools required
- Please see breaker guide for your application (pg. 99)



Description	Qty.	Cat. No.
 Multi-Pole Breaker Lockout	1	<b>44-783</b>

## Safety Lockout Hasps

- Allow up to six workers to lock out a single energy source
- Rustproofed, plated and vinyl-coated
- Labeled hasps feature anodized aluminum alloy construction for long-term durability
- Permanent “Do Not Operate” labels accept pens, pencils and permanent markers

### Safety Lockout Hasps

Jaw Diameter	Qty.	Cat. No.
1 in.	3	<b>44-800</b>
1-1/2 in.	2	<b>44-801</b>



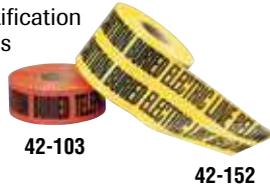
### Labeled Safety Lockout Hasps

Legend	Color	Qty.	Cat. No.
Do Not Operate	Blue	1	<b>44-790</b>
	Red	1	<b>44-791</b>
	Red	50	<b>44-1791</b>



## Non-Detectable Underground Tapes

- For protection, location and identification of underground utility installations
- Formulated to resist degradation from acid and alkali found in soils
- Lead-free pigments and organic lead-free ink



**42-103**

**42-152**

Property	Method	Value
Thickness	ASTMD2103	4.0 Mils
Elongation	ASTMD882-75B	500%
Composition	IDEAL Specs.	LDPE
Tensile Strength	ASTMD882	2,750 PSI

### Recommended Burial Depth

3 in. Tape – 4 in. to 6 in.

6 in. Tape – less than 12 in.

Legend	Color	Size	Cat. No.
Caution Buried Electric Line Below	Red	3 in. x 1,000 ft.	<b>42-101</b>
	Yellow	3 in. x 1,000 ft.	<b>42-102</b>
Caution Buried Telephone Line Below	Orange	3 in. x 1,000 ft.	<b>42-103</b>
Caution Buried Fiber Optic Line Below	Orange	3 in. x 1,000 ft.	<b>42-104</b>
Caution Buried Electric Line Below	Red	6 in. x 1,000 ft.	<b>42-151</b>
	Yellow	6 in. x 1,000 ft.	<b>42-152</b>

## Detectable Underground Tapes

- Solid aluminum foil core tapes for protection, location and identification of underground utility installations
- Meets or exceeds industry standards including the American Public Works Association (APWA) color code
- Formulated to resist degradation from acid and alkali found in soils
- Lead-free pigments and organic lead-free ink

**42-251**



Property	Method	Value
Thickness	ASTMD2103	5.0 Mils
Elongation	ASTMD882-75B	80%
Composition	IDEAL Specs.	Bottom Layer PE Top layer PET Foil industry standard
Tensile Strength	ASTMD882	35 lbs./in. (15,000 PSI)

Legend	Color	Size	Cat. No.
Caution Buried Electric Line Below	Red	3 in. x 1,000 ft.	<b>42-201</b>
		6 in. x 1,000 ft.	<b>42-251</b>
Caution Buried Fiber Optic Line Below	Orange	6 in. x 1,000 ft.	<b>42-252</b>

## Barricade Tapes

- High-visibility safety yellow or red polyethylene construction with bold black letters
- Meets OSHA specifications Section 1010.144 for marking physical hazards

**42-052**

**42-001**



Property	Method	Value
Elongation	ASTMD882-75B	≥ 400%
Composition	IDEAL Specs.	LDPE
Tensile Strength	ASTMD882	2,350 PSI TD 1,893 PSI MD

Legend	Color	Size	Thickness	Cat. No.
Caution	Yellow	3 in. x 1,000 ft.	4.0 Mils	<b>42-001</b>
Caution Do Not Enter	Yellow		4.0 Mils	<b>42-002</b>
Caution High Voltage	Yellow		4.0 Mils	<b>42-003</b>
Danger	Red		4.0 Mils	<b>42-051</b>
Danger High Voltage Keep Out	Red		4.0 Mils	<b>42-052</b>

Legend	Color	Size	Thickness	Cat. No.
Caution Do Not Enter	Yellow	3 in. x 1,000 ft.	2.0 Mils	<b>42-012</b>